

Supporting Information

Title: PMF scoring revisited

Author: Ingo Muegge

Content:

1. List of PDB complexes used to derive PMF04
2. Complete set of protein atom types
3. Complete set of ligand atom types
4. Complete list of atom pair occurrences observed for PMF04
5. PMF04 table file
6. FORTRAN program to extract PMF04 potentials from PMF04 table file

1. List of PDB complexes used to derive PMF04

1j8g 1i1n 3vgc 2vhb 1qcp 1ch7 3gsp 1dwg 1sac 1fwk 1de5 6csc 1bxs 3dbv
 3al1 1i3k 6abp 110m 1qfy 1chj 3gss 1dwh 1sct 1fzd 1deh 7prn 1bzc 1fcn
 1gci 1i3l 7abp 1dk0 1qi8 1chm 3gst 1dwi 1sem 1g27 1del 8lpr 1c84 1lpb
 1fn8 1i3m 1czf 1fhv 1qj5 1chv 3hsc 1dxr 1shb 1g5c 1dfh 8nse 1cnb 2ske
 1fy4 1i52 1gcq 1g11 1qjd 1ci3 3lkf 1dy3 1shd 1g64 1dgb 1f0c 1cyf 1c5f
 1fy5 1i54 1gnx 1gmr 1qka 1cif 3mth 1dzj 1sli 1g77 1dhs 1f7q 1d8t 1d0m
 1gdn 1icm 1hfu 1gwd 1qkb 1ck6 3nuc 1e18 1slw 1g9a 1dia 1ggk 1d8u 1g1a
 1cbn 1ike 2mye 1jef 1qkm 1ckb 3prn 1e26 1smr 1ga9 1dig 1gzq 1df1 1mbz
 1m40 1ims 2trx 3bu4 1qkq 1cls 3tpi 1e2e 1spa 1gec 1dih 1hlf 1dl7 1e7y
 1mc2 1io7 3c2c 3uag 1qoq 1cmp 3ukd 1e3s 1spe 1gjr 1dio 1hwj 1dmj 1eo7
 3pyp 1iqq 6a3h 5bu4 1qpa 1cnx 4bcl 1e3v 1srf 1gjw 1djn 1k08 1dot 1h7t
 1alz 1j77 1cm1 1a8i 1qpw 1cp4 4ccx 1e3w 1ssa 1gkd 1dqj 1mj1 1ds6 1ngc
 1g6x 1j8u 1d6f 1d3c 1qsb 1cp6 4csc 1e4i 1ssb 1gkt 1dku 1cnq 1dwv 1f52
 1dy5 1ja9 1h2e 1emy 1qt5 1cph 4dmr 1e55 1ssc 1gmh 1do8 1fj8 1dww 11as
 1gwe 1jd0 1jp4 1ev3 1qt7 1cpo 4eng 1e60 1stb 1gp4 1dp5 1gu8 1e24 13pk
 1aa5 1jdr 1kli 1ew6 1que 1cq1 4fx2 1e7u 1swk 1gpk 1dqo 1gue 1e2s 155c
 1ab1 1jg2 1xz1 1fej 1ra3 1crh 4gch 1e8c 1swp 1grn 1dr1 1sln 1egy 1a14
 1et1 1jg4 1101 1hbo 1ra8 1csv 4gst 1e8u 1swt 1gv7 1dru 1cvw 1ewh 1alr
 1etm 1j10 1281 1ia3 1rbf 1csn 4nll 1e8v 1syn 1gwn 1drv 1dkp 1f1j 1a2k
 1etn 1jr8 1291 1jvu 1rgb 1csx 4nul 1e93 1szj 1gxz 1drw 1e0s 1fcn 1a3g
 1jxt 1jx6 1301 1mzm 1rbi 1ctz 4rhn 1eam 1tgj 1gzz 1dvg 1eyj 1ffu 1a4h
 1jxw 1jzf 1311 1qh7 1rdi 1cv4 4upj 1eat 1tha 1h19 1dw2 1gbm 1fj4 1a4r
 1jxx 1jzl 1381 1sre 1rdj 1cv6 5cel 1eau 1tl2 1h1p 1dwo 1ggf 1ftq 1a8g
 1jxy 1k20 1391 4est 1rdk 1cwi 5cts 1eb2 1tn3 1h4m 1dwp 1jqd 1fu8 1a9e
 1byz 1k31 1611 8est 1rdn 1cyi 5fiv 1eb4 1trb 1h5w 1dwq 1kdw 1g9c 1a9u
 1em0 1k6x 1731 1ec0 1rds 1cyj 5fx2 1ec2 1trk 1h68 1dzt 1ko5 1g9u 1aaq
 1g66 1k8y 1a0j 1gi7 1rf7 1cza 5mba 1ec9 1ttq 1h81 1e27 1dlv 1gpn 1afs
 1m24 1k9z 1a2q 1gsx 1rnn 1czk 5nse 1ecf 1tyn 1h9g 1e2m 1eby 1gxa 1ags
 2pzb 1kdg 1abe 1h9o 1rpj 1cwr 5ukd 1ecq 1uma 1h9x 1e2n 1msa 1i3f 1ahg
 1191 1k11 1afk 1071 1rtm 1d0s 6cp4 1eed 1vbs 1hba 1e40 11gs 1i7i 1an9
 3lzt 1kly 1afl 1081 1rx2 1d0v 6cpp 1eei 1vid 1hfp 1e41 1961 1jkj 1ase
 1gdq 1klz 1ajg 1121 1ryc 1d2m 6fiv 1eem 1vpe 1hfq 1e7a 1a0q 1jmj 1asn
 1a7y 1km2 1ajh 1131 1sbw 1d51 6gss 1efz 1vxa 1hfr 1e8d 1a16 1k0k 1at3
 1gvk 1km3 1axw 1141 1sdk 1d7b 7aat 1eg4 1vxb 1hga 1e8x 1a1m 1kav 1au3
 1gvu 1km4 1ayx 1151 1sdl 1d7c 7cel 1eg5 1wht 1hgb 1e92 1a1o 1kdm 1aua
 1kwf 1km5 1b7v 1181 1sgc 1d7d 7gsp 1egh 1wyk 1hgc 1ebe 1a50 11hd 1aur
 1a7z 1km6 1ba1 1201 1slu 1d7o 7rnt 1eir 1xan 1hgw 1ecm 1a5s 1m8d 1awb
 1bxo 1kpf 1bbb 1221 1srg 1d7w 7tim 1eke 1yef 1hho 1ecw 1a7v 1mkp 1axd
 1dpn 1kq3 1bdw 1231 1srj 1ddv 8gss 1ekk 1yeg 1hld 1efy 1a9m 1mu2 1axg
 1hj9 1kr7 1bf6 1261 1srn 1dex 8xia 1el9 1yma 1hm3 1ej1 1aa6 1ngj 1ay5
 7a3h 1krh 1bhp 1561 1str 1dg9 966c 1eli 1ymc 1ho5 1eje 1abi 1ocr 1b02
 1k5c 1kui 1bp2 1581 1suc 1dhi 9est 1eo5 1zrm 1how 1ejh 1ae5 1ona 1b07
 1c75 110g 1bt0 1591 1sue 1dil 9gac 1eos 1zsb 1hox 1eko 1aer 1qnw 1b09
 1g4i 111g 1bup 1601 1swg 1djp 9gaf 1eow 2011 1hp0 1em2 1af2 5prc 1b0g
 1mlq 112k 1bzs 1621 1swm 1dlg 9gss 1ep1 2151 1hp5 1em6 1age 6nse 1b0j
 8a3h 1lc3 1c24 1631 1syb 1dlt 9xia 1epo 2271 1hp7 1eny 1agp 7nse 1b0k
 1ghg 11fm 1c2f 1641 1syf 1dmk 1jge 1eq2 2531 1hsa 1eob 1ah0 1ai5 1b0m
 1go6 1lo7 1c82 1811 1tag 1dnw 1lr0 1er8 25c8 1hv9 1ep1 1ah3 1ajn 1b0o
 1gqv 1loq 1cg6 1821 1thg 1dph 1qbo 1esv 267d 1hw8 1epb 1ahe 1dvr 1b1y
 1gvt 1luc 1cgz 1831 1tnq 1dra 1bvw 1esz 2a3h 1hwl 1eqa 1ahf 1ftw 1b4s
 1c58 1lzb 1cik 1841 1tnh 1drb 1dzz 1euo 2aad 1hxe 1et0 1ahh 1fu4 1b5t
 1jxu 1lzx 1cjc 1851 1tnj 1dvt 1f6t 1eus 2ang 1hxq 1etp 1ahi 1fu7 1b6s
 1mnz 1m4i 1cl6 1861 1tnk 1dnu 1fjs 1evk 2atj 1hzp 1etr 1ahy 1ggn 1b7t
 1a6m 1mbc 1cl1 1871 1toa 1dvy 1fua 1levv 2bat 1i0z 1ev4 1akb 1b8g 1b7y
 1coq 1n45 1clu 1881 1tom 1dvz 1ggj 1f07 2bmh 1i1k 1ev9 1akc 1bu6 1b86

1c0r 1np4 1cmj 19hc 1tph 1dw1 1i14 1f2c 2bos 1iam 1ew8 1all 1hcu 1b8u
 1eb6 1pef 1cmn 1a01 1tyr 1dxy 1i9p 1f2d 2c2c 1ib6 1ewk 1aln 1ki3 1b90
 1ga6 1qbg 1cot 1a28 1tys 1dy4 1iko 1f3b 2cel 1ici 1exl 1am7 1ki6 1b9s
 1gkm 1qqg 1csc 1a3b 1tyu 1dya 1k7h 1f3t 2cha 1iep 1eyr 1ama 1stf 1bag
 1gvw 1qqq 1csi 1a3n 1tyw 1dyf 1kgy 1f4c 2chb 1igw 1eys 1and 1xuh 1bcr
 1gvx 1qiq 1csr 1a3o 1tyx 1dyh 1kqz 1f4f 2clr 1iht 1ezq 1aog 7jdw 1bd2
 1hj8 1ql4 1css 1a4w 1uae 1dyi 1kr0 1f58 2cmk 1ii6 1f7k 1aor 1e7b 1bdq
 1jfb 1qnp 1cvz 1a6v 1uda 1dz6 1ppb 1f7a 2cts 1iim 1f7n 1apz 1ehi 1bgq
 1k6u 1qns 1czn 1a6w 1uro 1dz8 1qfl 1f7s 2cwg 1iin 1f7u 1aqc 1ewy 1bik
 1kcc 1rnc 1d1i 1a82 1usn 1dz9 1urn 1f83 2cym 1irj 1f8q 1arh 1fo2 1biw
 1kgk 1rnd 1d1q 1a8s 1uxy 1e0b 1vwf 1f8g 2dab 1irk 1fch 1ari 1fs4 1bj5
 1kk 1rxg 1d3v 1a9y 1v39 1e2i 1xuj 1f8r 2dhd 1isi 1fco 1au4 1fty 1bl5
 1lni 1sha 1d4a 1af0 1vfr 1e35 1b1c 1f8s 2dor 1isv 1fdt 1aux 1j6x 1bl6
 1qd8 1tal 1d58 1afq 1vif 1e3o 1d1v 1f9a 2er6 1isw 1fea 1axr 1k2z 1b17
 2erl 1thb 1d9w 1afw 1wad 1e4x 1dj1 1f9g 2fam 1isx 1ffy 1ay8 1ngb 1bmq
 1cc8 1vwe 1dae 1ag9 1wap 1e61 1dj5 1fae 2fiv 1isy 1fg3 1ayc 1ngf 1bq1
 1cxq 1vwi 1daf 1ajk 1wej 1e84 1dzm 1fbw 2fua 1it3 1fga 1ayv 1exs 1bq4
 1e9w 1vwr 1dbg 1ak0 1xel 1e8k 1e3z 1fc4 2gal 1iwe 1fjt 1azs 1a0t 1bqi
 1m1r 1xug 1dbo 1ak9 1xym 1e98 1ekj 1fce 2gnk 1iwp 1fki 1azt 1a1c 1bqy
 1kqp 1xui 1df7 1akd 1ytc 1e9f 1f4t 1fcj 2gpa 1j6w 1fmo 1b33 1a2b 1br5
 1lu0 1zeh 1dif 1akt 1zfp 1ebt 1foi 1feb 2hbe 1j80 1fol 1b3d 1a4e 1brp
 1xy1 2arc 1dmg 1amz 2071 1ec7 1h2s 1fiv 2hpd 1j9k 1fpe 1b3z 1a4k 1buc
 1cnr 2hbg 1dmh 1aom 2121 1ec8 1i8z 1fj3 2hpe 1jcm 1fpj 1b52 1a9p 1bxw
 1euw 2izk 1dnc 1aoq 2261 1eeh 1i91 1fjo 2ifb 1fdb 1fgo 1b74 1aaw 1byk
 1fsg 2mbw 1do4 1apt 2291 1eej 1jsz 1fju 2imm 1jeb 1fro 1bbr 1abj 1c1b
 1gvv 2mcm 1doj 1apu 2381 1een 1jw6 1fkg 2kmb 1jep 1frz 1bex 1abn 1c1c
 1i0k 2rtb 1dti 1apv 2421 1efd 1k22 1flv 2178 1jg3 1ft7 1bfk 1ac5 1c2r
 1i0m 2rte 1duv 1apw 2451 1ehb 1kkj 1fmj 2lbd 1jge 1fuj 1bgg 1ad4 1c3s
 1jcl 2rtb 1e0v 1aqn 2461 1ehh 1kkp 1fmq 2lh1 1jio 1fvf 1bgo 1adb 1c68
 1jfc 2sns 1e2g 1aqw 2501 1ehn 1kl1 1fnm 2lh2 1jqh 1fvz 1bhx 1add 1c6x
 1kjq 2src 1e2k 1ars 2551 1ej2 1klu 1foo 2lh3 1jwb 1fwv 1bij 1ae1 1c6y
 1kmv 2ull 1e2q 1at5 2cdv 1ejj 116w 1fpq 2lh5 1jwn 1fx5 1bjg 1ae4 1c6z
 1lqt 2web 1e36 1at6 2cmm 1el7 1p11 1frn 2lh6 1jz2 1fx8 1bjk 1af6 1c70
 1m9z 2wec 1e38 1atl 2fal 1el8 1qh0 1frp 2lh7 1jz6 1fxu 1blh 1agm 1c7o
 1moo 2wed 1e42 1au9 2fax 1elr 1tio 1fs9 2lhb 1k3a 1fy9 1bls 1agw 1c7r
 3sil 3hbi 1e5t 1ay6 2fcr 1emd 2lyo 1ftd 2lig 1k8c 1fy4 1bnd 1ah5 1ca7
 1czb 5cyt 1e6p 1ayl 2flv 1emu 2prn 1fup 2mgb 1kah 1g1g 1bnn 1aic 1cc5
 1qow 821p 1e6w 1az1 2fmb 1enm 2tio 1fuq 2mgh 1kar 1g20 1bo4 1as3 1cde
 1gdu 1df8 1e9b 1az8 2fox 1eno 3lyo 1fut 2mg1 1kb3 1g4x 1bob 1asa 1cer
 1ds1 1c4q 1e9d 1azl 2fvx 1enp 1aqv 1fwe 2mgk 1kc2 1g76 1bqo 1asc 1cg0
 1h11 1ie8 1ecs 1b0e 2gct 1ent 1c5w 1fx1 2mgl 1kee 1g78 1br6 1avq 1cg1
 1jbe 1h16 1eex 1b1h 2gmt 1epp 1cx7 1fx9 2mhb 1kgw 1g7g 1bru 1ayw 1cg3
 1koi 1ijh 1ehe 1b1i 2gsp 1epq 1d2e 1fy7 2mya 1kk2 1g7w 1brx 1b14 1cg4
 1jk3 1jvp 1ehf 1b2r 2gst 1erb 1daa 1fys 2nad 1kkr 1g7x 1bt4 1b3v 1cgu
 1k5n 1k4v 1ehg 1b3f 2his 1erq 1fwn 1fzv 2np1 1kna 1g9d 1bwk 1b4n 1cgv
 1kms 1kvl 1eiz 1b46 2mb5 1esw 1g53 1g0n 2nsy 1kr5 1g9m 1bx3 1b55 1cgy
 1kzk 1lxk 1el3 1b51 2mbr 1eu8 1gsu 1g0v 2nuc 1ksl 1gaw 1bxg 1b9t 1ch4
 1sho 1qq9 1elf 1b58 2mgd 1ev6 1h4i 1g13 2one 1ksn 1gbc 1c29 1bai 1ch8
 1a0m 121p 1elv 1b59 2mgf 1ex7 1i5b 1g17 2pia 1ktt 1gbd 1c40 1be4 1cia
 1a6k 1dl2 1eq9 1b5j 2mgg 1eyw 1if8 1g1f 2qwb 1kws 1gbh 1c50 1bej 1cj3
 1akg 1dlw 1eqj 1b6h 2myc 1ez2 1inc 1g2w 2qwd 1kxp 1gdd 1c62 1bhn 1cjy
 1c5e 1ee2 1erm 1b6t 2myd 1ez9 1kcl 1g30 2qwe 1kzl 1ge6 1c7q 1bii 1ckm
 1ctj 1j6z 1eta 1b82 2ohx 1ezj 1l2s 1g37 2qwi 1kzp 1geu 1c86 1bil 1ckn
 1d4t 3grs 1etb 1b9j 2por 1f0p 1wdn 1g3q 2qwj 1l4f 1gex 1c81 1bj0 1cl0
 1f86 482d 1ewf 1b9w 2qwg 1f0u 1911 1g4k 2rom 1l4g 1gfi 1c9d 1bjp 1cly
 1f9i 1c3w 1exm 1ba8 2qwh 1f0x 1a31 1g4v 2rox 1l4h 1gh0 1c9e 1bka 1cmi
 1fd5 1d2s 1eye 1bb5 2qwk 1f20 1a4m 1g5y 2shp 1l5y 1gha 1ca9 1bll 1cr4

1gmx 1daz 1eyn 1bbh 2rkm 1f28 1a7c 1g79 2sqc 1l82 1gij 1cce 1bmk 1cs4
 1h4g 1deo 1f2o 1bck 2rnt 1f3a 1aii 1g7s 2tdt 1l8p 1gjm 1cen 1bnq 1cwu
 1h5v 1dl8 1f50 1bcx 2rtn 1f4e 1ax1 1g7t 2tod 1l9n 1gkz 1ch0 1bnv 1czc
 1itx 1do3 1f5f 1bdm 2sak 1f4n 1ax2 1g8z 2ubp 1lbb 1gmc 1cib 1bo7 1d0j
 1jcj 1egg 1f5n 1bdo 2sar 1fem 1axy 1g9b 35c8 1ldf 1gmd 1cjf 1bo8 1d1s
 1k4o 1ejd 1f5v 1bg2 2sli 1fen 1axz 1g9r 3cbs 1ldm 1gml 1cjr 1bp0 1d2f
 1kdv 1elu 1f65 1bhf 2tbs 1fff 1b12 1ga8 3cel 1lfd 1gnw 1cm0 1bp1 1d4d
 1kdy 1evl 1f6b 1bir 2udp 1fgc 1c27 1gah 3cpa 1lfi 1gp5 1cmq 1bp6 1d4s
 1pen 1f01 1f8c 1bje 2vgc 1fh1 1d0o 1gbt 3cpu 1lg2 1gpm 1cny 1bpj 1d7a
 1qj4 1g4t 1f9u 1bju 334d 1fhw 1d7u 1gbv 3dni 1log 1gqr 1cp3 1bt6 1dbv
 427d 1gtv 1fdf 1bjv 3apr 1fk6 1dm6 1gcv 3er3 1lon 1gsp 1cpt 1bwv 1dc4
 1a7s 1gw9 1fds 1bkj 3cox 1fk7 1elk 1gcw 3had 1lrm 1guy 1cr1 1byg 1dfg
 1jf8 1hb1 1fec 1bma 3cyt 1fkn 1elv 1ge5 3mat 1lru 1gwj 1cr2 1bz1 1dg1
 1jse 1hq5 1ffi 1bmb 3er5 1fl2 1e4w 1ge7 3mba 1ly4 1gym 1cr5 1c0a 1did
 1k7c 1ioo 1fj0 1bn5 3kiv 1fla 1e86 1ged 3mct 1m4h 1gz4 1ct1 1c0f 1die
 1al4 1iv2 1fjq 1boa 3mag 1fln 1ecv 1gem 3pah 1m6v 1h6c 1ctm 1c3x 1dii
 1swu 1iv4 1fkb 1bs1 3pro 1fmg 1ekf 1get 3rab 1md4 1h6g 1ctu 1c9c 1djh
 1a6g 1iwh 1fkf 1bt5 3sga 1fms 1ekx 1gew 3rsk 1mdr 1h93 1cvn 1c9w 1dji
 1a6n 1jcz 1fkj 1btw 3sli 1fne 1enc 1gg1 3srn 1mfb 1ha7 1cwe 1c9z 1dkf
 1b6g 1jyr 1fkl 1btx 453d 1fng 1enu 1ghb 3tdt 1mfc 1hbh 1cwv 1cbf 1dm4
 1bzp 1k1u 1fnb 1bu8 468d 1fqa 1eua 1gia 3tlh 1mfd 1hda 1cx9 1cci 1dp8
 1bzr 1kq1 1fnc 1bvv 4aop 1fqb 1f47 1gic 3tmk 1mhc 1hdb 1cyc 1cg1 1dqr
 1d2u 1lov 1fnd 1bwb 4bu4 1fsw 1f73 1gii 4aig 1mj3 1hdc 1czi 1cj4 1drj
 1f98 1loy 1fqg 1c21 4dcg 1fth 1fh8 1gky 4cd2 1mj1 1hef 1d1c 1cjx 1ds8
 1h2j 1lzy 1frb 1c3d 4fiv 1ftj 1fhi 1gl4 4cla 1mma 1heg 1d5c 1cm8 1dtp
 1hdo 1m1p 1ftm 1c53 4sga 1fv1 1fk8 1glg 4er1 1mmb 1hgt 1d6s 1cq7 1dub
 1het 1qmq 1fuf 1c5i 4sli 1fvx 1fkh 1gm8 4er2 1mmn 1hgy 1d9i 1cq8 1dv2
 1heu 1qqj 1fv0 1c69 4vhb 1fw0 1frq 1gmb 4gep 1mnc 1hih 1daj 1cul 1dv3
 1hf6 1ra9 1fzk 1c7b 5abp 1fw1 1fur 1got 4kmb 1mra 1hp4 1dcn 1cvu 1dv6
 1i4u 1tca 1fzq 1c7c 5er2 1fws 1g2k 1gox 4mba 1mzs 1hql 1dcp 1cxh 1dxo
 1i8o 1try 1g07 1c7d 5gsp 1fwt 1g3u 1goy 4mbn 1nas 1hqt 1dhf 1cze 1dze
 1kcd 1ute 1g0m 1c7s 5lzm 1fwu 1g8f 1gr3 4pah 1ndh 1hro 1dhr 1d1t 1e1r
 1rge 4ubp 1g0o 1c83 5sga 1fzj 1g81 1gra 4q21 1nft 1hsz 1dit 1d6u 1e2j
 1h4x 1bq6 1g4s 1c88 5ull 1g01 1gaf 1gre 4srx 1nhr 1htf 1djk 1d6y 1e2p
 1hbn 1gja 1gai 1c8r 6cha 1g08 1gpj 1grf 4tf4 1nhs 1htp 1dlq 1d8f 1e2z
 1kou 1hfc 1gca 1c8w 6gep 1g0b 1gr0 1grg 4thi 1nos 1hw7 1dlr 1dar 1e33
 1m1n 1lo6 1gco 1caq 6hbi 1g0c 1gzf 1gsa 4ukd 1npm 1hxs 1dls 1dbt 1e31
 1mro 2rth 1gdj 1cbm 6lzm 1g0g 1h4o 1gse 4yas 1odw 1hxx 1dnk 1dej 1e3r
 1c9o 1dk8 1geg 1cbo 6nul 1g1s 1hf3 1gsl 5cna 1ohr 1hyh 1dnp 1dfo 1e4e
 1h97 1gdv 1gek 1cbs 6rnt 1g1v 1hs6 1gu0 5csm 1ola 1ily 1doe 1dfp 1e5d
 1hvb 1h5g 1gkj 1cca 6std 1g29 1i2f 1gua 5er1 1olc 1i5s 1dp6 1dgl 1e6r
 1i7j 1h5m 1gmp 1ccz 7est 1g21 1i77 1guz 5fwg 1opm 1i7g 1dr2 1dog 1e7e
 1ljn 1hch 1g02 1cf9 7gch 1g32 1i7e 1gv4 5gal 1osz 1i7r 1dr3 1dqx 1e7g
 1lqp 1lyc 1gof 1cgh 7std 1g36 1i7q 1gzr 5gst 1oxa 1i8n 1drh 1dr4 1e8t
 1alx 1moq 1gor 1cgo 8rsa 1g49 1i8p 1h02 5hoh 1p05 1i8q 1dud 1dr5 1e8w
 1atg 1akr 1gqq 1ch2 9rsa 1g5n 1jbv 1h0g 5hvp 1pdh 1idb 1dx5 1dr6 1e9h
 1bz6 1awq 1gsn 1ch9 1a34 1g72 1jgt 1h0i 5mbn 1pe6 1iex 1dx6 1dr7 1e91
 1c0p 1awr 1gvy 1ci9 1c96 1g8i 1k3t 1h1b 5prn 1pea 1i17 1e11 1drm 1eap
 1cc7 1aws 1gx5 1cie 1cel 1g98 1kdt 1h1h 6atj 1poe 1iic 1e62 1dtu 1ecj
 1cz9 1gzc 1gz9 1cig 1csu 1gcd 1kor 1h1r 6cpa 1pop 1iih 1e63 1dve 1eft
 1e4m 258d 1h0a 1cih 1cx1 1gcz 1kwu 1h1s 6hbw 1pox 1iji 1e64 1dvl 1eh5
 1g7a 2izf 1h4w 1cjw 1d4h 1gh4 1l2i 1h3f 6rsa 1prp 1ijr 1e6d 1dwj 1eix
 1gyo 2rtm 1h58 1co8 1d4i 1gjb 1l7k 1h4n 721p 1pxc 1il0 1e6e 1dxp 1ekp
 1he2 2rto 1h6h 1cocy 1d4j 1gk2 1l99 1h53 7acn 1qbt 1im3 1lebb 1dy8 1eks
 1hqj 473d 1hbi 1cs6 1ebw 1glp 1l9d 1h5n 7cpa 1qcj 1im8 1ebf 1e1n 1ep4
 1i3h 1bz1 1hfs 1cv3 1gj4 1gmy 1lcz 1h5y 7cpp 1qd6 1imb 1ecg 1e1t 1esm
 1i76 1bzz 1hjt 1cvk 1kbc 1gpb 1lhc 1h65 7ins 1qdr 1ind 1edo 1e1z 1esq

1jet 1dpo 1hp1 1cwj 1kg9 1gqj 1ljo 1h66 7nn9 1qdt 1inq 1ej3 1e21 1est
 1jg1 1e2r 1hpm 1cwk 1tc2 1gqk 1m48 1h73 7upj 1qfe 1iov 1ejo 1e3g 1ett
 1kit 1exa 1hrm 1cwl 1be9 1gr2 1m5f 1h7q 8acn 1qi0 1iqu 1ek8 1e44 1euu
 1kn1 1nox 1htw 1cxp 1dmr 1gui 1m7v 1h7r 8cpa 1qk0 1is2 1ekb 1e5v 1eve
 1knm 1541 1hv7 1cyd 1dw0 1gvc 1mno 1h84 9ldt 1qko 1ius 1epr 1e79 1evi
 1lf7 16pk 1hyf 1czl 1ew2 1gyb 1mq7 1h86 1cx6 1qkp 1ivy 1eqy 1e7c 1ewa
 1mgo 1a3j 1hyt 1d0i 1fh7 1gyc 1nec 1h8e 1ddg 1ql7 1ix6 1es8 1e7v 1ewj
 1mj4 1a54 1i19 1d3h 1fp1 1h11 1o75 1h8y 1dp2 1qmh 1ix7 1et4 1e8z 1eyy
 1not 1a8u 1i2s 1d4w 1gy2 1h4h 1ova 1ha3 1ebz 1qng 1ix8 1ets 1e96 1f42
 1qq4 1ab9 1i2w 1dam 1h8p 1h5r 1puc 1hag 1evu 1qnh 1j49 1exz 1eb7 1f5a
 1qrw 1adl 1i3d 1db1 1hw5 1h5t 1qkz 1hbk 1h7x 1qov 1j4n 1ey3 1ecc 1f6d
 1qtn 1ads 1i3w 1det 1hzs 1h5x 1rhl 1hbt 1i79 1qr2 1j51 1ez4 1ece 1f76
 1xy2 1aht 1i9t 1dg7 1ia2 1h62 1sep 1he1 1jc9 1qr6 1j71 1ezv 1ee5 1f7r
 2nlr 1ajs 1ia1 1dgg 1imx 1h6w 1sm3 1he7 1m9k 1qs4 1j7s 1f17 1efh 1f90
 2sn3 1aoe 1icr 1dgm 1ini 1h74 1spg 1hfa 1m9q 1qt4 1j81 1f1b 1egd 1f9w
 454d 1aop 1ida 1dhj 1jap 1h7w 1sts 1hg2 1qn2 1rb2 1jbp 1f1c 1ehk 1fbh
 1d4o 1aqu 1iho 1dic 1jf0 1h82 1tem 1hg5 1xzk 1rbn 1jcs 1f2e 1ehl 1fb1
 1e29 1aru 1is6 1dl5 1vwb 1h83 1tsd 1hiv 105m 1rem 1jdz 1f37 1els 1fbp
 1j8a 1arv 1j79 1dlj 2rtk 1h8v 1uag 1hj6 1cbk 1rp1 1jf7 1f48 1ep2 1fdh
 1kyf 1arw 1j7y 1d11 5a3h 1han 1vp9 1hm2 1d0k 1say 1jhm 1f4x 1ese 1fgi
 1i0v 1b21 1jb9 1dly 109m 1hbb 1vsh 1hmd 1ds4 1skj 1jil 1f7p 1euf 1fhx
 1ycc 1b3a 1jdl 1dmb 1amk 1hbp 1yeb 1hmo 1e20 1smf 1jji 1f9d 1exv 1fiq
 1c1d 1b5e 1jne 1dn1 1bit 1hbu 2001 1hmu 1fqj 1sua 1jki 1fa2 1exw 1fj6
 1gn1 1b6a 1jp9 1dpj 1bu5 1hck 2101 1hpx 1g56 1swe 1jlx 1fah 1f12 1fj9
 1iki 1bav 1jpb 1dq 1c3i 1hg0 2bu4 1hqq 1j84 1 tcb 1jmo 1fbo 1f2q 1fk9
 1ird 1bd0 1jq5 1dqs 1dqy 1hgx 2cxb 1hrk 1khf 1tde 1jmt 1fgg 1f3p 1foo
 1j96 1bfd 1js1 1dt1 1dzp 1hh5 2fbj 1hsg 268d 1tdu 1joc 1fin 1f4j 1fph
 1jeu 1bkf 1jsr 1dug 1e00 1hh 2oat 1ht0 2ng1 1thp 1jot 1fjr 1f8y 1fpr
 1jni 1btu 1jye 1duz 1g45 1hpv 2tli 1htg 1alw 1tlc 1jpg 1fm7 1f91 1fr6
 1l2x 1ccw 1jzh 1dxt 1gn8 1hrc 2vp3 1hur 1bvy 1tlx 1jtu 1fm8 1f99 1fsu
 1lqu 1cg5 1k2b 1dxu 1i5q 1hsb 3hoh 1hv6 1dso 1tmk 1juq 1fop 1fa9 1fui
 1ml7 1cil 1k3u 1dxv 1iiq 1hsh 3kmb 1hvj 1dsp 1trh 1jv3 1fpc 1fbz 1fv2
 1oaa 1cio 1k4g 1dye 1vhb 1hsy 3tli 1hw3 1f31 1tze 1jvi 1fpq 1fc0 1fy1
 1qft 1co6 1k54 1e0c 1zrn 1hvy 470d 1hyb 1fe8 1vhr 1jvs 1fpi 1fcb 1fzg
 2tps 1co9 1k7x 1e12 5tim 1hx1 4gal 1hyu 1g8j 1vsj 1jxp 1fpl 1fgx 1g4p
 2wea 1csh 1k8z 1e34 102m 1hye 4nse 1i05 1geb 1ycb 1jzk 1fqc 1fkw 1g63
 3chb 1cxc 1k9d 1e39 1a44 1i06 4tli 1i1o 1jd3 1yda 1k0d 1fqd 1fkx 1g60
 1ctq 1d3g 1kae 1e3a 1b0d 1i1q 5gss 1i36 1jfh 1ydd 1k0j 1fqk 1foh 1g7y
 7rsa 1d67 1kao 1e4d 1cgk 1i5a 5std 1i37 1k24 1yvn 1kli 1fsa 1fpu 1g93
 1ikj 1dad 1kax 1e4h 1e4b 1i5c 6q21 1i38 1lga 1yyy 1k1j 1fsl 1fq5 1g96
 1c52 1dak 1kay 1e6c 1f8a 1i6s 7tli 1i55 1md3 2051 1k1m 1fta 1fr8 1g99
 1hhr 1dbw 1kaz 1e99 1g46 1i7b 1a2t 1i6i 1ng1 2521 1k2c 1fv3 1fue 1g9f
 1qks 1dim 1dkd 1ea5 1g4j 1i82 1be0 1i72 2min 2bb2 1k6c 1fw8 1fxx 1gaj
 1gkp 1dy7 1kl3 1eas 1hne 1i8a 1d6q 1i75 3erd 2cbl 1k6p 1fwy 1fy 1gc1
 1bk0 1dz4 1km0 1eb1 1i13 1i8j 1e5h 1i7p 3min 2cbs 1k7u 1fxs 1g0i 1gck
 1cy5 1e2f 1kni 1ebc 1i9m 1i9c 1fdk 1i80 1cef 2cp4 1k7v 1fyn 1g1h 1gg5
 1dbf 1e2w 1kok 1eb1 1ir2 1iak 1fz7 1i83 1d3d 2daa 1kbg 1fz9 1g1q 1gim
 1djr 1e6x 1kqj 1ec3 1rkd 1ib2 1g4o 1i90 1g09 2dkb 1kc7 1fzc 1g51 1gk0
 1eax 1e6y 1111 1ed5 1091 1icj 1g97 1i91 1g0a 2fib 1ke5 1g0h 1g7v 1gli
 1eul 1e72 1126 1edu 1251 1icp 1gar 1ia5 1g1d 2hbc 1keo 1g41 1gg2 1gmk
 1f27 1e7q 1l2q 1leef 1271 1idr 1gwf 1ia7 1ghq 2hgs 1ker 1g4u 1gk1 1gne
 1f4p 1e7r 1136 1leeo 1461 1ig3 1hcz 1ia9 1jtk 2hmb 1ki2 1g8o 1glm 1gnq
 1f9v 1e9a 1148 1eib 1551 1ih8 1jol 1ian 1khz 2oxi 1ki7 1g9q 1gmz 1gnz
 1fcy 1e9c 1162 1ejc 1571 1iit 1k7w 1iau 1ql1 2rma 1ki8 1gal 1gni 1gp9
 1fk5 1e9e 1165 1ejn 1981 1ikg 1lvo 1ib4 1xuf 2rmb 1kj1 1gbi 1gpy 1gr1
 1flm 1edr 1166 1ek5 1a3e 1io3 1m9m 1icc 1xuk 2std 1kkt 1gbn 1gsq 1gro
 1g7b 1eeu 1168 1el5 1a7t 1iop 1prn 1icf 2trs 2tct 1kmk 1gc5 1gsy 1grp

1g9w 1efi 1l6s 1ela 1ai8 1iow 1qrp 1icq 6prn 2thf 1kre 1gey 1gw0 1gtr
 1gk9 1eg9 1174 1eld 1ai9 1ir3 1xyb 1iel 1a3u 2tpi 1krf 1gfz 1gwr 1gu6
 1gxt 1egn 1183 1ele 1al6 1irv 1zio 1if2 1aco 2yhx 1ksi 1gil 1gx8 1gv0
 1hb2 1elw 1192 1elq 1amw 1is0 2aky 1if9 1agd 381d 1kw1 1gk4 1h2u 1gwx
 1hyo 1epm 1lf0 1eue 1aqm 1is4 3pcg 1iip 1ajq 3amv 1kwk 1gkc 1h8g 1gy9
 1hzy 1epn 1lf5 1evh 1ayf 1iso 198d 1ij8 1aya 3aop 1kyq 1gmn 1h8s 1gye
 1i0b 1eqd 1lka 1exp 1b25 1j5p 1a3i 1ik3 1b56 3erk 1kyz 1gnm 1h9y 1h1q
 1i0d 1f2a 1llp 1f0n 1b6j 1j91 1chh 1ik4 1cdo 3geo 1kzo 1gnn 1hai 1h6a
 1i0n 1f2u 1lnd 1f0t 1b6k 1jci 1d01 1io8 1cet 3nse 1l4k 1gno 1hg4 1h78
 1i0p 1f6k 1lne 1f0y 1b6m 1jcy 1d3j 1ioz 1ckp 3pcd 1l6i 1goj 1hiz 1h94
 1i0q 1f74 1lnf 1f2b 1b6n 1jd5 1d4y 1ipb 1cpi 3phm 1l7o 1gp2 1hnn 1h9z
 1i12 1fcf 1lt5 1f2p 1b6o 1jdc 1e48 1ipc 1crj 3rhn 118d 1grt 1hoc 1ha2
 1jev 1fdg 1ltm 1f4z 1b85 1jdd 1fxh 1irw 1cu5 3vhb 1lbz 1gu3 1hor 1hbj
 1jgm 1fh0 1ltw 1f5k 1bsg 1jdo 1g2j 1isz 1cuq 449d 1lcw 1gxs 1hot 1hcm
 1jhg 1fni 1lyh 1f63 1bv3 1jdw 1jbs 1it0 1d3f 4cp4 1ldo 1gzz 1htb 1hdg
 1jnd 1fq7 1m8a 1f7b 1c39 1jg6 1k2v 1it6 1d7s 4cyh 1lfg 1h18 1hto 1hdx
 1jr0 1fs7 1mc9 1f7t 1c5z 1jj0 1kti 1itk 1dkq 4er4 1lny 1h5s 1hvq 1hdy
 1jw8 1fs8 1mcy 1f8b 1cag 1jk7 1le6 1itu 1dq2 4pgt 1loa 1h7h 1hvv 1hex
 1k3y 1ft5 1mfa 1f8m 1cgd 1jmx 2imn 1iwo 1duc 4phv 1loo 1h85 1hxd 1hhi
 1ka1 1ftk 1mjh 1fao 1cqo 1jom 2snm 1iut 1e5o 4rsk 1lp 1hab 1hxt 1hhj
 1qdd 1g0e 1ml1 1fd7 1cu2 1jpn 2tsc 1iuv 1e80 4vgc 1lpn 1hah 1i11 1hhk
 1ruv 1g12 1mls 1fee 1cyn 1jsm 9abp 1iuw 1e81 5acn 1lpo 1hbr 1i1m 1hlb
 1sn4 1g6g 1moo 1fel 1czo 1jtm 1c1v 1iux 1e82 5apr 1lps 1hbv 1i30 1h1k
 366d 1g6h 1mtj 1ffr 1d03 1jv1 1c97 1iwi 1e83 5cyh 1lt6 1hdq 1i3r 1hm8
 1gpi 1g6t 1mwc 1fg6 1d04 1jvy 1h71 1iwj 1ed6 5fbp 1lta 1hii 1i44 1hmp
 1gxm 1g7q 1mwe 1fgl 1d4k 1jxz 1hd3 1iwk 1ee0 5gds 1lxm 1hj1 1i4o 1hnf
 1lzz 1ga0 1myy 1fhj 1d7j 1jzm 1hds 1iz8 1efc 5gep 1m0n 1hja 1i7c 1hno
 1e5k 1gct 1nsc 1fk0 1dhk 1k12 1i9g 1j01 1fgh 5nuc 1m1d 1hjo 1i7s 1ho3
 1e6q 1gei 1ofv 1fk1 1dn 1k1p 1if7 1j7w 1fnz 5pah 1m5o 1hmv 1i8i 1hp
 1e6s 1gi5 1pip 1fk2 1d07 1k4m 1mdn 1jbu 1fse 5tli 1mmo 1ho4 1i8t 1hpo
 1e85 1gkk 1pp1 1fk3 1dyj 1k4q 1qcc 1jcr 1g7c 6gch 1mnj 1hon 1i9h 1hr6
 1gjn 1gsi 1ppm 1fk4 1el1 1k4w 1shv 1jdf 1gm4 6gsx 1mnk 1hoo 1iah 1hs0
 1gyx 1gtz 1pup 1fld 1el1 1k7f 3pcc 1jdp 1gxo 6lpr 1mob 1hop 1icv 1htm
 1gyy 1h57 1qdl 1flj 1e2v 1k9j 4tmk 1jdt 1h4k 6tli 1mp0 1hos 1ifq 1hwx
 1j8q 1h5a 1qdz 1fmb 1e3b 1k9p 5tmp 1jdv 1h6d 7kme 1mp3 1hps 1ifu 1hz
 1ky3 1h5d 1qf9 1fmc 1e4v 1k9y 7taa 1jdz 1io9 8cpp 1mp4 1hq5 1ii0 1i00
 1lzi 1h5e 1qfz 1fn6 1e4y 1kbk 106m 1jeo 1jju 8kme 1mt6 1hqd 1ije 1ile
 1pin 1h5f 1qgf 1foa 1e5j 1kcz 1dm1 1jf9 1jqa 8pch 1mz5 1hqp 1inf 1i31
 1qje 1h5h 1qhc 1ft6 1egm 1kd0 1e6z 1jg0 1k0g 1mb9 1ndp 1hsj 1ing 1i4d
 5p21 1h5i 1qhf 1ftl 1ejb 1kdo 1g1b 1jgi 1kev 2gsr 1nn2 1hsk 1inh 1i4k
 1c5s 1h5j 1qho 1fvm 1ek4 1kek 1j99 1jha 1177 4cpp 1noo 1hwi 1inv 1i7y
 1qfv 1h5k 1qhp 1fxq 1elj 1kel 1411 1jho 1lbf 1a46 1nsb 1hxb 1inw 1i9e
 2izg 1h5l 1qsh 1fzm 1eqc 1kk3 1421 1jhq 1lod 1cu3 1nsg 1i10 1inx 1ibv
 2izh 1h60 1qsi 1fzo 1ex2 1klt 1431 1jhr 1lpp 1cv0 1oas 1i7z 1iny 1id5
 1c1p 1h7n 1qst 1fzu 1ex8 1kn2 1451 1jhu 1lt8 1d3m 1okm 1ib0 1iri 1idc
 1c1q 1h80 1qus 1g0j 1eyq 1kn4 1471 1jhv 1ly8 1e06 1p35 1ibj 1ish 1ide
 1c1r 1hax 1ras 1g01 1f3e 1knd 1901 1jhy 1nis 1elo 1pbo 1ibr 1ivb 1ie3
 1c1t 1hfe 1rbd 1g0p 1f3f 1knf 1991 1ji0 1rdz 1e3e 1pdz 1ics 1ivc 1ie4
 1c5t 1hj3 1rbh 1g0q 1f41 1koj 1a00 1jip 1vsf 1h7f 1pek 1iea 1ive 1iei
 1c5u 1hj4 1rdl 1g16 1ff0 1kop 1a05 1jir 1yaa 1dtm 1phk 1iem 1ivf 1igj
 1gi4 1hjf 1rey 1g1w 1fg8 1kqd 1a09 1jj9 2enb 1duk 1pig 1igb 1ivg 1iid
 1kug 1hnd 1rez 1g35 1fit 1ktb 1a0g 1jjv 2hbs 1gbk 1ppj 1ik7 1ivr 1iiu
 1fcz 1hoz 1rga 1g3b 1flr 1kv9 1a0w 1jme 2pka 1gfy 1ppi 1ima 1j7u 1ikf
 1fd0 1hsr 1rse 1g3c 1fw 1kvr 1a0x 1jmz 3pch 1gm6 1ptr 1iol 1j8h 1ilz
 1gi2 1i0f 1rst 1g3d 1fxf 1kvv 1a0y 1jpc 4hoh 1h7g 1q21 1ion 1j8v 1isf
 1gve 1i58 1rsu 1g3e 1g06 1kww 1a0z 1jq8 7lpr 1lti 1qaf 1iq7 1j9g 1it8
 1hx0 1id0 1s01 1g42 1g0k 1kwz 1a1n 1jra 1lba 1uky 1qam 1isj 1jao 1ith

1kqw 1ie0 1sta 1g4h 1g9v 1kzd 1a2u 1jrx 1a5g 3pcj 1qca 1it7 1jdx 1iuv
 1mhi 1ii5 1stg 1g52 1ghv 1l00 1a30 1jry 1crl 3pck 1qf0 1itq 1jeh 1ivp
 1d7e 1imr 1syd 1g5f 1ghy 1l2t 1a4f 1jrz 1d2y 5lpr 1qf4 1j82 1jgj 1j7t
 1ghz 1it2 1tad 1g5t 1gms 1l55 1a53 1js4 1ds7 1a0u 1qf7 1j8d 1jh7 1jaf
 1jkv 1iup 1tcs 1g7f 1gnr 1l57 1a5b 1jte 1ebk 1abr 1qfj 1jgs 1jj7 1jan
 1k55 1je0 1tes 1g85 1grb 1l64 1a5w 1ju9 1ee1 1dlk 1qhr 1jin 1jk8 1jec
 2rtg 1jif 1vsd 1g86 1gsj 1l67 1a71 1juf 1gza 1dty 1qhw 1jjb 1jkf 1jfa
 2rtq 1jkx 1vwq 1g9h 1gsw 1l69 1a78 1jul 1hw4 1ibq 1qir 1jnk 1jkk 1jfg
 1av2 1jnr 1vxc 1gad 1gux 1l6y 1a7p 1jv0 1i0i 1jqy 1qj6 1jp6 1jpl 1ji5
 1b16 1jrr 1vxrd 1gbu 1gx6 1l70 1a7x 1jv6 1kvm 1kim 1qj7 1jp8 1jqp 1jiu
 1ben 1juh 1vxe 1gd1 1h5b 1l75 1a85 1jvl 1laf 1m7z 1qkt 1jpp 1jrk 1jkh
 1bvd 1jze 1vxf 1gd9 1hna 1l76 1a86 1jw5 1lag 1qji 1qla 1jqw 1jsh 1jla
 1c1n 1k92 1vxg 1gde 1hpu 1l79 1a8k 1jwg 1lah 3pgt 1qlt 1js8 1jsi 1jld
 1c1x 1kic 1vxh 1gdi 1i2g 1l7p 1a8p 1jxm 1mnp 1ash 1qmz 1jvg 1jsn 1jls
 1c2h 1kj8 1wab 1gdk 1ia4 1l84 1a94 1jyq 1qf2 1atj 1qor 1jwk 1jso 1jm6
 1c2j 1kj9 1wla 1gdl 1jbw 1l89 1a95 1k0e 3pce 1aym 1qpp 1jwy 1jvd 1jmf
 1d06 1kji 1xch 1gdo 1jf1 1l9c 1a96 1k01 101m 1be6 1qpy 1jx1 1jyl 1jmg
 1d3s 1km1 1xid 1gi9 1jtl 1lan 1a9q 1k1n 103m 1bnt 1qsn 1jx2 1k7t 1jmh
 1dry 1kqf 1xie 1gj9 1jwv 1lee 1a9r 1k1o 1b5g 1bnu 1qu2 1k4d 1k9v 1jmi
 1dwt 1ktp 1xig 1gjp 1k26 1les 1a9s 1k3c 1bfn 1bxm 1rbl 1k74 1keu 1jnz
 1dxc 1kwg 1xih 1glq 1k9e 1lgu 1a9t 1k3d 1d4p 1byu 1rcg 1k7e 1kgz 1jtq
 1dxd 1kwm 1xii 1gm9 1kfr 1lgx 1abo 1k4c 1jiv 1cgn 1rdy 1k8d 1khe 1jvx
 1eaz 1ky2 1xij 1gn0 1khb 1l11 1abw 1k6v 1jnw 1cvy 1rpf 1kbi 1kiy 1jw0
 1eca 1l5o 2171 1gns 1kzc 1l12 1ad8 1k97 1mni 1d6h 1rth 1kbo 1khh 1jwt
 1ecd 1l9x 2211 1goq 1l53 1l13 1ae8 1k9s 1qlh 1dtl 1rx3 1kdp 1klg 1jy8
 1ecn 1lam 2371 1gpe 1l71 1lna 1af7 1kce 1crc 1duy 1rx4 1ke0 1kne 1jzs
 1eco 1lic 2411 1gu1 1l72 1l0l 1afa 1kdn 1e3i 1e02 1rxo 1kgt 1ko8 1k0a
 1en2 1lid 2441 1gup 1l73 1los 1afe 1ke2 2bkj 1e47 1scf 1kh2 1ktc 1k0b
 1erx 1lie 2ahj 1guq 1l7g 1low 1ah4 1ke6 5cpp 1e4a 1slx 1kij 1ktd 1k0c
 1ew0 1lif 2bup 1gx1 1l7h 1lp6 1ahx 1ke7 107m 1ezf 1som 1kj3 1kts 1k11
 1f24 1lmg 2bw 1gzb 1l88 1lgy 1aim 1ke8 1a59 1f29 1srh 1kk8 1kuy 1k4y
 1f25 1lmt 2csc 1gzl 1l8a 1lr5 1aj0 1ke9 1cxk 1f4d 1swn 1ksg 1kvk 1k71
 1f26 1lor 2cy3 1h70 1l9e 1lr6 1aj2 1kg8 1dfi 1fmw 1t1n 1kxh 1kya 1k9i
 1f8d 1lqv 2cyp 1h72 1l9f 1lra 1ajv 1kgq 1dzu 1fp6 1tar 1kzn 1kyv 1kak
 1f8e 1lzs 2gdm 1h7c 1lgw 1lrh 1ajx 1kgx 1le7 1fxv 1ths 1l0c 1kyw 1kbj
 1fp2 1mba 2hbi 1h8u 1li3 1lrj 1akv 1kie 5est 1gbb 1tip 1l61 1kyy 1kby
 1fw9 1mbo 2izi 1hbm 1llo 1lsh 1am1 1kj7 12gs 1gbf 1tlg 1lb8 1lly 1kc5
 1g5a 1mk0 2mge 1hc9 1lm8 1lua 1ami 1kjf 1401 1gbl 1tmt 1lb9 1l5j 1kcs
 1g67 1mrk 2msb 1hdi 1lwd 1lvk 1ank 1kjg 1441 1ggh 1tn 1lcv 1l8t 1kfo
 1g6c 1nfp 2qwa 1hg1 1m5b 1ly3 1aof 1kjh 1971 1gqh 1tr1 1lew 1l9b 1khh
 1ga1 1phb 2spl 1hh8 1mdl 1m0s 1aok 1kme 1a0f 1h2t 1trn 1lez 1lb5 1kmp
 1ga4 1phc 2spm 1hi3 1mmy 1m6c 1aol 1kmj 1a2c 1h76 1tsn 1lf8 1lbl 1knr
 1gg6 1phd 2spn 1hi4 1lobm 1m8z 1aph 1kmo 1a2f 1hnu 1tsy 1lfo 1lbx 1kny
 1gk8 1phe 2spo 1hi5 1oth 1mai 1apm 1kmy 1a2g 1huv 1lucy 1llq 1ld9 1krr
 1gkl 1phf 2uag 1hnl 1pfz 1mdq 1apy 1kp2 1a3k 1ihu 1uke 1l0f 1lgh 1ksa
 1h61 1phg 3cts 1hrn 1pty 1mer 1aq0 1kp3 1a3r 1jbr 1vrt 1lss 1lhf 1kv1
 1h8d 1qgi 3dfr 1huq 1qfo 1mes 1aq1 1kpg 1a3t 1jgl 1vse 1ltt 1ln1 1kzu
 1h91 1qgu 3mbp 1hvc 1qt3 1met 1aqx 1kph 1a49 1jht 1vsi 1lwx 1lox 1l0y
 1haz 1qgx 3ptb 1hvh 1quh 1meu 1arc 1kr1 1a5z 1k3b 1vxr 1m56 1lx6 1l2a
 1hb3 1qhl 3tmn 1hvi 1sth 1mgn 1as0 1krj 1a69 1ke3 1wgc 1ma0 1lxc 1l8g
 1he3 1qhl 469d 1hv 1vlt 1mld 1av5 1ksk 1a80 1kvq 1xim 1maq 1m0o 1lbt
 1he4 1qk5 4dfr 1hvl 1vpt 1mlu 1avn 1ksu 1a8r 1kvs 1xva 1mbb 1m43 1lca
 1hh7 1qmg 4lzm 1hvr 1vwa 1mmg 1awp 1kuj 1aa4 1kvt 1yca 1mdp 1m5j 1lcb
 1hmr 1qpc 4mbp 1hwr 1vwn 1mmq 1axa 1kuv 1ac4 1ky7 1ydr 1mdt 1m5k 1lce
 1hms 1qr3 4tmn 1hxp 1yej 1mn0 1axb 1kvo 1ac8 1l7s 1yds 1mdv 1m5v 1lck
 1hmt 1qra 6cel 1hxw 1zip 1moa 1axe 1kwv 1aeb 1lek 1yee 1mmp 1m9t 1lde
 1hry 1qrr 8dfr 1hy3 2201 1moh 1azi 1kwx 1aed 1lev 1yth 1mmr 1map 1ldn

1i4f 1qrx 104m 1hyx 224l 1mor 1azm 1kwy 1aee 1lt7 1yti 1mnh 1mez 1ldy
 1i5g 1ra2 1dje 1hyy 2ak3 1mti 1b05 1kx0 1aef 1m4b 1zxq 1mpd 1mrf 1lmw
 1i73 1red 1g81 1hz1 2rln 1mts 1b1e 1kxg 1aeg 1mdb 208l 1mrdr 1mu0 1lnu
 1ie9 1ree 1gxy 1i1d 360d 1mtu 1b38 1ky6 1aeh 1mm7 2a39 1mre 1mup 1lot
 1ifr 1ref 2xis 1i2e 3fap 1mtv 1b3g 1kyd 1aej 1nir 2aim 1n5d 1nbb 1lqf
 1iju 1rob 1b5f 1i53 3fiv 1mtw 1b3h 1kz8 1aek 1p03 2ay1 1nje 1nga 1lth
 1jf3 1rzl 1cpq 1i59 3yas 1mv9 1b3l 1kzm 1aem 1qmj 2ay4 1nsa 1ngp 1lwj
 1jf4 1sup 1e9v 1i7u 5bir 1mvc 1b4d 111e 1aen 1qo8 2ay6 1inst 1ngs 1lya
 1jl6 1vwm 1fh9 1i8k 6gsu 1myh 1b4e 113r 1aeo 1slc 2ay8 1opr 1noj 1lyb
 1jl7 1xic 1fkfd 1i9q 6gsw 1myj 1b57 114e 1aeq 1vfn 2ccp 1ose 1nok 1lyw
 1jlt 1xif 1h87 1i9z 1aec 1mzn 1b6p 1141 1aes 1ylv 2cep 1out 1nrr 1m2o
 1joh 1zin 1i01 1ibe 1bg0 1nhk 1b7h 114m 1aet 269d 2cgr 1oxm 1nrs 1m5m
 1jzg 2aac 1i6k 1icu 1cwc 1nse 1b8n 114n 1aeu 2asi 2cht 1oxo 1okn 1mbs
 1k3i 2dri 1i61 1ig0 1cwf 1nsf 1b8y 114x 1aev 320d 2dap 1pbd 1ork 1mf0
 1k9g 2er7 1i6m 1ig1 1cwh 1nuc 1b9h 114y 1aex 321d 2dbv 1pd2 1pax 1mg1
 1kdz 2gyi 1jf2 1ihg 1cwo 1oen 1b9i 115b 1agc 323d 2dhn 1pgn 1pfk 1mj9
 1kqr 2qwc 1llb 1ihj 1czh 1opb 1bb6 115k 1ah8 324d 2er9 1phh 1pvc 1mj9
 1ltz 2sim 1qbi 1inn 1dyr 1p12 1bb7 1151 1aix 326d 2fap 1ppg 1pyd 1mqf
 1m22 2tmn 1qip 1iqc 1dzv 1pbe 1bbp 115m 1aj7 3lpr 2gxr 1prc 1qan 1nca
 1mbd 306d 2111 1ir1 1ed4 1phm 1bch 115v 1aka 3pcf 2gsq 1ptv 1qbq 1ncb
 1qfm 351c 2191 1livd 1fzz 1pph 1bcu 115z 1am6 3pcl 2hbd 1pvd 1qfx 1nc
 1qjf 385d 2fke 1j4r 1g02 1ppp 1bdb 116f 1amr 3ran 2hbf 1pxa 1ql6 1ngh
 1ql3 3cao 1b80 1j6o 1g48 1qa7 1bes 116g 1aob 4std 2hdd 1pxb 1qlu 1nht
 1qn1 3cyr 1c01 1j71 1g54 1qcn 1bfff 1181 1as4 5eau 2hgt 1qbg 1qpb 1nja
 1qop 3gct 1el14 1j8r 1ger 1qco 1bgn 1185 1auj 6pah 2hhd 1qdn 1qpg 1njc
 1rcf 3man 1fs5 1ja1 1ghm 1qdb 1bht 118j 1auk 1beq 2hhe 1qex 1qq5 1njd
 1rpg 3nul 1gj5 1jah 1gpu 1qg6 1bif 1195 1axf 1czj 2hrp 1qgz 1qr1 1nm
 1tpp 3xis 1gjc 1jai 1h69 1qgj 1bj1 1la6 1b39 1h9a 2kce 1qhu 1qrd 1nm
 256b 437d 1hg8 1jcx 1hxq 1qh3 1bk9 1lcf 1b54 1ljw 2mga 1qiw 1qs0 1no
 2ctc 442d 1jvj 1jds 1i3e 1qhi 1bkc 1ld7 1b7x 1mc1 2mip 1qjg 1qsc 1oat
 2olb 443d 1lii 1je1 1i9n 1qhj 1bkm 1lec 1b8f 1mom 2mjp 1qkj 1qsm 1ohj
 2phy 451c 1m5d 1jgu 1i9o 1qis 1bkv 1led 1b8v 1npv 2pcp 1ql9 1qtq 1ohk
 2rti 481d 2321 1jid 1k21 1qit 1bky 1lh0 1b9z 2cpo 2phl 1qls 1rcc 1ouu
 2tnf 4bp2 1021 1jie 1lbk 1qix 1bm7 1lh1 1bb0 1dzr 2q21 1qo3 1rce 1oxp
 3sdh 4fgf 1arm 1jje 1lij 1qj8 1bph 1lh2 1bcj 1dzw 2roy 1qtv 1rcx 1pau
 403d 4hbi 1g60 1jjt 1lp4 1qjw 1bqu 1lh3 1bcs 1gae 2sem 1rb3 1rh3 1pb
 1bxq 4rsd 1g94 1jny 1lpu 1qk4 1bsi 1lh5 1bdu 1irc 2tcl 1rbo 1rks 1pb
 1gkf 4sdh 1ges 1jou 1qjj 1qmy 1btc 1lh6 1bez 1lvl 2ukd 1rco 1rmh 1pb
 1qh4 4xis 1gwh 1jp3 1vwc 1qoz 1btn 1lh7 1bfv 1knv 2usn 1re2 1rne 1pgo
 1tc1 5hbi 1icn 1jq3 1zpd 1qqm 1bto 1lh1 1bh2 1qd5 2wgc 1rsc 1rn1 1ppg
 2rtl 5nul 1kxm 1jq9 1cv5 1qqn 1btz 1lh0 1bm2 305d 302d 1rtf 1rrg 1pm
 1cxu 5tmm 1kza 1jrs 1e6i 1qqo 1bv7 1lhs 1bn1 1dzx 303d 1rx5 1rvv 1pm
 1gi0 6tmn 1ldg 1jrt 1f3d 1qqp 1bv9 1lht 1bn4 1e5e 319d 1rx7 1sf1 1pn
 1gi1 7hbi 1myt 1jsd 1g0r 1qro 1bvq 1lhv 1bo6 1e5f 3atj 1sb1 1tcw 1pn
 1gvz 7odc 1snm 1jt2 1g0o 1qsq 1by2 1li2 1boz 1jpf 3ccp 1scb 1trp 1pow
 1b0b 830c 2hhb 1jwz 1h8n 1qt6 1byf 1li6 1bqp 1m4a 3dap 1se3 1tti 1poy
 1c5p 8gch 3hhb 1jzj 1hww 1qt8 1bzr 1lin 1brw 1mko 3fru 1slb 1ttj 1qfg
 1c5q 8ruc 4hhb 1k06 1k0y 1qtb 1bzy 1lj1 1bs6 1qdg 3fyg 1sld 1uby 1qg
 1m0k 8tln 1651 1k0i 1119 1qte 1c0g 1lk7 1bwc 1bh3 3gly 1slv 1ui0 1qg
 1m0m 1c5c 1661 1k0n 1rgk 1qug 1c14 1lld 1bwn 1ecy 3lad 1stc 1uip 1qg
 2izj 1h55 1akw 1k2e 1vwd 1quo 1c23 1lmc 1bwo 1gvh 3pca 1tbz 1vij 1qh
 2rtj 1h5c 1aqy 1k2i 2cmd 1rai 1c30 1lmp 1bx6 1xyc 3prk 1tcx 1vik 1qhx
 1gi3 1h63 1b32 1k4h 3gcb 1raq 1c3m 1lo0 1bxr 3pcb 3rap 1tdf 1vru 1qm
 1j9e 1iat 1b4z 1k59 111m 1rar 1c3q 1lo2 1bzh 10gs 3sc2 1tet 1vxo 1qpf
 1k96 1jkl 1b61 1k5b 1c3j 1rc4 1c3r 1lob 1c2t 12as 3sem 1thc 1x11 1qs
 1kb0 1m26 1bap 1k70 1dms 1rca 1c4d 1loc 1c3e 1a07 3tf4 1thr 1xin 1qs
 1aba 2rtr 1bg4 1k9t 1dss 1rcm 1c60 1loh 1c3o 1a08 421p 1tcb 1xkb 1qtc

1blz 1aky 1bh6 1ka0 1dw6 1rdm 1c61 1lqb 1c4u 1a0v 447d 1tlp 1xlm 1qtd
 1dwr 1c1s 1c1u 1kbq 1keq 1rh4 1c63 1lr4 1c4v 1a1a 448d 1tmb 1yoo 1qt1
 1dws 1ds0 1c22 1kci 1bul 1rls 1c64 1lsz 1c66 1a1b 4ccp 1tmc 2ack 1raa
 1e6u 1gny 1c5x 1ke1 1bva 1rms 1c65 1lt3 1c6a 1ale 4cel 1tox 2ada 1rab
 1eu5 1i1p 1cqx 1kep 1cup 1rnb 1c6c 1lt4 1c6m 1a39 4erk 1trm 2ap2 1rac
 1gm7 1ju4 1cv8 1ket 1d2w 1rnt 1c6d 1lte 1c87 1a3v 4req 1trq 2ay2 1rad
 1goi 1k77 1d2n 1kew 1duw 1rvd 1c6f 1lwn 1c8j 1a4g 4tpi 1ttp 2ay3 1rae
 1gvf 1pha 1d2v 1kk1 1fy3 1rx9 1c6o 1lwo 1ca0 1a61 5aop 1tvv 2ay5 1raf
 1hz4 1ggw 1d41 1k15 1fy6 1scn 1c6t 1ly9 1ca8 1a99 5ccp 1upf 2ay7 1rag
 1i0g 1qqu 1d4x 1kpe 1gg9 1se4 1c7f 1lyi 1cay 1aa1 5enl 1vbt 2bif 1rah
 1is3 2cpp 1dqgn 1kp1 1gge 1sft 1c8i 1lyk 1ccb 1ad1 5pnt 1vze 2btm 1rai
 1kuk 1ciz 1dq1 1kqb 1hsl 1sle 1c8s 1m0q 1ccg 1agb 5req 1wbf 2dhc 1rpe
 1kyc 1dag 1dyb 1kqc 1mkv 1slt 1c9h 1m49 1ccj 1agf 5yas 1whs 2dub 1rvw
 1lri 1dah 1dym 1ksh 432d 1sox 1cb2 1m7b 1cck 1ahb 6ccp 1xka 2gsa 1scu
 1pa2 1dai 1dyt 1kss 1031 1sud 1cb7 1m85 1ce8 1aia 6enl 1ycq 2h1p 1ses
 1qh5 1dpw 1e37 1ktg 1lbg 1svb 1cbx 1ma3 1cea 1aid 6gsp 1ydt 2jxr 1set
 1vwj 1g8k 1e7w 1kux 13gs 1swd 1cc4 1mbi 1ceb 1aij 6gst 1ypn 2mpr 1siv
 1vwk 1gj8 1eb3 1kxn 1481 1swr 1ccc 1mbn 1cf2 1aiq 6gsy 1ytg 2mta 1sos
 1vwl 1h6m 1eg2 1kyu 16gs 1the 1ccl 1meg 1cfv 1aj9 6req 221p 2npx 1tcc
 1c0k 1h7p 1egv 1kzb 1721 1tlm 1cdg 1mfe 1ch5 1al8 6tim 2amv 2omf 1tco
 1fx2 1kap 1elc 1kze 17gs 1tmn 1cdk 1mgp 1cim 1amq 7ccp 2bbq 2pax 1tcr
 1hj5 1myr 1epz 114u 18gs 1tni 1cdm 1mka 1cin 1anc 7enl 2bef 2rnf 1tdr
 1hnj 1qjc 1evy 1156 1921 1tnl 1cfb 1mlf 1cmt 1ane 7gss 2bir 2sam 1tmo
 1llr 2cyh 1ewp 115w 1951 1tpb 1cfm 1mlg 1cmu 1apx 7req 2can 2skc 1tmu
 1m5e 2rmc 1eyz 1161 19gs 1tpc 1ch3 1mlh 1cp5 1aq7 8gep 2dfp 2skd 1trd
 1vvg 3a3h 1ez1 117f 1a27 1tps 1chi 1mlj 1cpr 1aqe 8gbp 2dhf 2tmd 1ts1
 1c2i 1191 1f4b 1180 1a4q 1tpu 1ci1 1mln 1cqd 1arg 8tli 2dln 2tmk 1tsx
 1c51 1aqb 1f4g 1186 1a5a 1tpv 1ci8 1mlq 1crb 1asd 9aat 2fhe 2tpr 1tvu
 1c5r 1b8s 1f57 1187 1a5v 1tpw 1cjb 1mlr 1csb 1aso 9ldb 2fus 3cev 1tvw
 1fcx 1bbz 1fe0 118b 1a5x 1trg 1cle 1mmd 1ctw 1atk 9lpr 2gbp 3cgt 1tyb
 1ju2 1bu7 1fe4 1191 1a8a 1tyl 1cm1 1mn1 1cu6 1atp 1d7z 2mas 3eca 1tyd
 1m01 1c2d 1fo3 1193 1a8b 1tym 1cm4 1mn2 1cv1 1au1 1ea1 2nos 3fct 1ubw
 1qbz 1c2e 1frw 1194 1a9z 1ubs 1cnw 1mns 1cw1 1awf 1kp9 2occ 3fit 1ubx
 2rtf 1c2g 1fsy 1198 1aax 1ukz 1coz 1moc 1cw4 1awi 3pci 2ovw 3gbp 1upu
 7atj 1c2k 1g2a 1lb6 1abf 1vgc 1cp0 1mod 1cwa 1ayu 1f4v 2pcc 3gwx 1uv
 1ek0 1c5y 1g2o 1lbc 1ad2 1vom 1cpu 1mos 1cwr 1b15 1hwk 2prg 3jdw 1vac
 1g6u 1cxy 1g8m 1lc7 1ado 1vp3 1cq2 1mrh 1cxe 1b3x 1upj 2pri 3lbd 1vad
 1gqi 1d0c 1ghw 1lc8 1afb 1vpp 1cri 1mt3 1d09 1b40 1a65 2prj 3mdd 1vao
 1vwh 1tdt 1gi8 1lcj 1ai2 1vps 1cs0 1myi 1d0h 1b42 1bs0 2scu 3mde 1vd
 2izl 1dwk 1gjd 1ld8 1ai3 1vr1 1cs3 1n2s 1d1g 1b4b 1d6p 2toh 3nll 1vot
 1gi6 1e0x 1gp6 1lf2 1aj8 1vrk 1csn 1nai 1d3p 1b4u 1ely 2vaa 3nos 1vza
 8abp 1e2d 1gsv 1lfw 1ake 1vwt 1ct5 1naw 1d5r 1b5d 1eyk 2wsy 3pax 1vzb
 1a4i 1e6b 1gtj 1lhu 1akq 1yag 1ct9 1ndc 1d6a 1bc5 1gan 2xim 3pcn 1vzc
 1abs 1e70 1h0p 1lj5 1aku 1yas 1cvr 1nhp 1d6z 1bd4 1qnu 2xin 3prc 1vzd
 1amt 1elg 1h17 1lkc 1alu 1ydb 1cw2 1nhq 1d7y 1be8 3aky 2ypn 444d 1wbl
 1bo0 1fpx 1h33 1lk1 1amu 1yea 1cwm 1nlk 1ddu 1bek 1dht 3bif 456c 1wq1
 1b4v 1fr9 1h7o 1llh 1aoz 1yec 1cwn 1np1 1de6 1bem 1i7a 3bir 4aaah 1xlc
 1b8o 1fyf 1h8i 1lmo 1aq2 1yei 1cws 1npl 1dju 1bep 1i7m 3ccx 4daa 1xld
 1bab 1g2n 1hdu 1lnb 1arp 1yet 1cxv 1nsy 1dkd 1bf3 9nse 3cp4 4gr1 1xlf
 1bio 1ghx 1hee 1lnc 1larx 1ygh 1czu 1nue 1dke 1bfc 1a26 3dhe 4lbd 1xlg
 1bn7 1gte 1hew 1lo8 1ary 1ymb 1czy 1odx 1dm2 1bfu 1a42 3gbp 4pfk 1xli
 1bte 1gw1 1hm9 1lop 1au8 1zei 1d00 1ody 1dm7 1bh5 1b30 3kar 4prc 1xlj
 1bty 1hx6 1hzo 1lqx 1avb 1zfj 1d07 1orb 1dmt 1bid 1b7a 3ng1 4tim 1yat
 1bvc 1i0s 1i8f 1lrl 1ax0 1zzz 1d0a 1oya 1dod 1bin 1bnw 3nn9 5eaa 1ycp
 1bw9 1i0x 1ikt 1ly2 1ayo 21gs 1d0x 1oyb 1doh 1bj9 1bzj 3np1 5grt 1ykf
 1bx4 1i9s 1jak 1lye 1b0h 2221 1d0y 1oyc 1dp 1bks 1c3b 3ovw 5mdh 1ytj
 1byq 1iby 1jlv 1lyf 1b11 2231 1d0z 1p01 1dq8 1bkw 1c7e 3pep 5p2p 1zap

1bz0 1jay 1jv4 1lyg 1b2h 2251 1d1a 1p02 1drt 1blc 1cmx 3xim 621p 1zpr
 1c11 1jix 1jyx 1lyj 1b2v 2281 1d1b 1p39 1dsh 1bn3 1cps 4blc 6dfr 2aa1
 1c5n 1jpz 1k2y 1lzc 1b37 22gs 1d1k 1pca 1dtm 1bof 1 cwd 4gp 7ge 2ace
 1ccr 1k2o 1k75 1lze 1b4h 2301 1d1w 1pj 1dw3 1bp4 1cwq 4htc 7hvp 2ay9
 1cip 1kgb 1k9f 1lzg 1b5h 2331 1d1x 1pme 1dy9 1bqs 1d5d 4hvp 8cgt 2bfv
 1cka 1kv5 1ki0 1m20 1b5i 2341 1d2z 1pnf 1dyc 1bra 1d5e 4nn9 8xim 2bpz
 1cru 1l58 1kj 1m21 1b5q 2351 1d3b 1pob 1dyd 1bs8 1d5h 4np1 9xim 2cnd
 1cs1 1l6x 1ku8 1m4d 1b66 2361 1d3n 1poc 1dyg 1bsv 1dd7 4ovw 1sb 2csn
 1cyo 1lcp 1kzi 1m4g 1b6i 2481 1d4r 1ppd 1e0p 1bws 1dlu 4tln 1ats 2cxg
 1czq 1lpy 1l2e 1m64 1b8a 2491 1d5m 1ppr 1e4n 1byc 1dm8 4xia 1e22 2dbe
 1d53 1m5c 1l59 1m6i 1b8d 2541 1d5z 1psc 1e54 1byd 1e6n 5fit 1e7f 2dpg
 1d7p 1nes 1l63 1m6m 1ba0 2571 1d6j 1ps 1e56 1c67 1ei9 5gp 1e7h 2est
 1dc1 1phn 1l90 1m6p 1beu 2ae2 1d6v 1pvl 1e5i 1c6b 1ej4 5nn9 1jac 2fc
 1dgf 1php 1leg 1m7s 1bfb 2aid 1d6w 1qb8 1e5q 1c6n 1ekv 5tln 1kck 2fgi
 1do1 1qjp 1lg5 1mar 1bgb 2bpv 1d7r 1qbb 1e66 1c8v 1eyx 5upj 1m9j 2is
 1dvj 1qk3 1lhw 1max 1bgv 2bpy 1d7x 1qcf 1e8g 1c9k 1f8i 5xin 1nge 2ncd
 1e19 1qnq 1lrk 1may 1b14 2bqp 1d8c 1qdc 1e9x 1c9u 1fb 6ald 1ngg 2plh
 1e71 1qsa 1mdc 1mem 1bmd 2bza 1d8d 1qds 1eag 1cbq 1fev 6nn9 4fua 2pva
 1e73 1sfi 1mtr 1mfi 1bs4 2cd2 1dan 1qf1 1eb8 1cc2 1ffv 6pr 1bjr 2ren
 1e7s 1snc 1myg 1mg0 1bsz 2cst 1dc6 1qf5 1eb9 1cc6 1fuy 7tln 1d8m 2req
 1e87 1sri 1qi2 1mlk 1bu4 2cut 1dck 1qfs 1ebg 1ccp 1fxj 8aat 1dzy 2seb
 1e8m 1tx4 1qsg 1mlm 1buw 2drc 1dd6 1qga 1ec1 1cd2 1fxv 8cho 1i3g 2spt
 1e8n 1ubp 1qud 1mlo 1bvi 2fit 1ddt 1qgs 1ed1 1cd1 1fyd 8jdw 1klj 2tep
 1ej0 1udb 1rbe 1mmu 1bwa 2fx2 1de7 1qh6 1ee4 1cf0 1g65 8prn 1ngd 2tpl
 1ek6 1udc 1sub 1mmx 1bx0 2gbp 1ded 1qi3 1efv 1cl2 1gk3 1ajp 1qut 2trt
 1eqm 1vwo 1thw 1mmz 1bx1 2gep 1dek 1qi4 1elb 1cnm 1gth 1b0p 1aqd 2tsy
 1f71 1yog 1uih 1msk 1bxk 2gss 1dg5 1qi5 1eoj 1cno 1gwc 1dli 1b3y 2vab
 1f9t 1yoh 1vwp 1mtk 1byb 2h4n 1dg8 1qin 1eol 1com 1hvs 1gg8 1b4x 2viu
 1fg7 1yo 1xz 1mud 1c0i 2hoh 1dgh 1qj1 1eom 1cpd 1ifx 1j78 1bqe 2ypi
 1fg 1yve 1xz 1mwd 1c1e 2k15 1diw 1qja 1eou 1cpe 1j7z 1jim 1c3n 3aid
 1flp 2fdx 2061 1nah 1c1h 2kin 1d9 1qjb 1ep3 1cpf 1jaq 5rhn 1ctr 3cd2
 1g1t 2rtd 2401 1nco 1c1w 2man 1djl 1qk2 1ero 1cp 1jlu 1asq 1cx4 3dmr
 1g69 2tlx 2431 1nhb 1c1y 2mgc 1djo 1qkw 1es1 1cpw 1jpm 1eyi 1d5x 3grt
 1g6s 3std 2471 1nn 1c5o 2mgm 1dlm 1qm5 1eup 1cqf 1jqi 1ay4 1d6e 3hat
 1g7p 4a3h 2aop 1nsd 1c6e 2myb 1dm3 1qno 1exb 1csm 1js3 1hw9 1djh 3pgk
 1gd0 4gsp 3cla 1ntp 1c6g 2nap 1dmi 1qpd 1exf 1ct8 1jv7 1ltq 1dmy 3por
 1gej 1cpc 4lip 1nzy 1c6h 2ngr 1dmp 1qpe 1ez0 1ctt 1k6t 1qlb 1f34 3upj
 1ggd 1e3u 5cp4 1ofj 1c6i 2pgt 1dmw 1qpk 1f06 1cty 1kdr 112m 1f8w 4apr
 1gj6 1e4c 5n1l 1ofk 1c6j 2pyp 1dob 1qsr 1f0r 1cu0 1kg4 1atr 1fdy 4atj
 1gj7 1fjj 6gsv 1one 1c6k 2qwf 1doc 1qtz 1f0s 1cwb 1lby 1awu 1fl3 4cpa
 1gs5 1fxo 7yas 1pgt 1c6l 2sfp 1dor 1qur 1f1w 1cxa 1lhe 1awv 1g05 4dbv
 1h32 1gzg 1apb 1pot 1c6p 2tys 1dp4 1rbc 1f51 1cxi 1lhg 1cla 1gwq 4fbp
 1h50 1jg9 1c8k 1ppc 1c6q 2xyl 1dpf 1rbp 1fak 1cxz 1mlb 1gqt 1hdz 4gsa
 1h5q 2hmq 1ceg 1ppf 1c6r 2ycc 1dq 1rcd 1fdj 1d1j 1mhl 1gx9 1i51 4gss
 1hb4 2hmz 1ghp 1ppk 1c7n 304d 1dgt 1rci 1fdq 1d1p 1p10 1khg 1jlr 4jdw
 1hbg 3bto 1h5u 1pro 1c7t 3car 1drf 1rcp 1fiw 1dly 1qha 1ki4 1lsp 4mdh
 1hbz 4uag 1i3i 1pym 1c8u 3cpp 1drk 1req 1fjm 1d71 1qkn 1mpw 1l1v 4pb
 1hd2 1anf 1k9k 1qb1 1c9y 3csc 1dse 1rg7 1fm6 1d8a 1qo0 1p06 1mwr 4thn
 1he5 1b4k 1mik 1qb6 1caz 3cyh 1dth 1rgc 1fm9 1dap 1quf 2nse 1ngi 4ts1
 1hjg 1exx 1pda 1qb9 1cb8 3daa 1dui 1rgl 1fo4 1daw 1rap 6upj 1nmt 5cev
 1hn4 1gql 1slg 1qbn 1cbl 3drc 1duo 1rmg 1foj 1day 1rk2 1a5u 1qpq 5cgt
 1hpg 1h91 1uib 1qbo 1ce1 3eng 1dvp 1rnm 1fpd 1db4 2lpr 1a6j 1qpr 5icd
 1hxk 1k1e 2acq 1qbr 1ce5 3ert 1dvs 1rom 1fpf 1dbp 2pel 1ai4 1sla 5xia
 1hy7 1sty 2acr 1qbs 1cf3 3fx2 1dvx 1rsn 1fq0 1dcc 2pk4 1ap9 20gs 6acn
 1hzj 2ccy 2acs 1qbu 1cg8 3gal 1dwa 1rx1 1fsx 1ddr 3pcm 1asm 2prc 6apr
 1i0r 2cth 2acu 1qbv 1ch1 3gch 1dwf 1rx6 1ftn 1dds 4nos 1b9v 2qr2 6cts
 6jdw 6xim 7cat 7dfr 8atc 8cat 8hvp 8icd 9cgt 9icd 9jdw 9lyz

2. Complete set of protein atom types

| | |
|----|---|
| CF | nonpolar aliphatic carbon (e.g., C [¶]) |
| CP | polar aliphatic sp ² or sp ³ carbon bonded to atoms other than carbon or hydrogen (e.g., backbone C or C [¶]) |
| cF | nonpolar carbon aromatic |
| cP | polar carbon aromatic |
| CO | carbon bonded to a negatively charged oxygen |
| CN | carbon bonded to a positively charged nitrogen |
| NC | positively charged nitrogen |
| ND | nitrogen as a hydrogen bond donor (e.g., backbone N, TRP NE, ASN ND, HIS ND1) |
| NA | nitrogen as a hydrogen bond acceptor (e.g., HIS NE2) |
| ME | metal ion (Zn, Mg, Ca, Fe, Mn, K) |
| OC | negatively charged oxygen |
| OA | oxygen as hydrogen bond acceptor (e.g., backbone O, ASN OD, GLN OE) |
| OD | oxygen as hydrogen bond donor (e.g., TYR OH, SER OG, THR OG) |
| OW | water oxygen |
| SA | sulfur as hydrogen bond acceptor (MET SD) |
| SD | sulfur as hydrogen bond donor (CYS SG) |
| HH | hydrogen |

3. Complete set of ligand atom types

| | | | |
|----|--|----|--|
| CF | nonpolar carbon sp ³ aliphatic | OC | negatively charged oxygen (e.g., carboxylate) |
| CP | polar sp ³ carbon bonded to an atom other than carbon or hydrogen | OA | oxygen as hydrogen bond acceptor (e.g., keto, amide oxygen) |
| cF | nonpolar carbon aromatic | OE | oxygen in an ether bond or ring |
| cP | polar carbon aromatic | SO | sulfur in sulfone or sulfoxide |
| C3 | nonpolar carbon sp ² not aromatic | OS | oxygen bonded to atoms other than carbon or hydrogen (e.g., phosphate) |
| CW | polar carbon sp ² not aromatic (e.g., bonded to carbonyl oxygen) | OD | oxygen bonded to hydrogen, except water |
| CO | carbon bonded to a negatively charged oxygen | P | phosphorus |
| CN | carbon bonded to a positively charged nitrogen | SA | sulfur as hydrogen bond acceptor (except sulfone/sulfoxide) |
| C0 | sp carbon | SD | sulfur as hydrogen bond donor |
| NC | positively charged nitrogen (e.g., NH ₃ ⁺ or guanidino group) | HL | hydrogen |
| NP | planar nitrogen bonded to 2 or 3 carbons but not to a hydrogen (can occur in a nonaromatic ring) | Zn | zinc |
| NA | nitrogen as a hydrogen bond acceptor, not in a ring | Mn | manganese |
| ND | nitrogen as a hydrogen bond donor, not in a ring (e.g., amide nitrogen) | Mg | magnesium |
| NR | planar nitrogen in a ring structure (e.g., pyridine) | F | fluorine |
| N0 | sp nitrogen bound to 1 carbon | Fe | iron |
| NS | nitrogen bound to atoms other than | Br | bromine |

| | | | |
|----|---------------------------------------|---|----------|
| | carbon or hydrogen and not of type ND | | |
| CL | chlorine | V | vanadium |

4. Complete list of atom pair occurrences observed for PMF04

| | | | | | | | |
|------|---------|------|--------|------|---------|------|------|
| CFCF | 2450327 | OCNC | 44901 | CPOE | 727909 | OAZn | 0 |
| CPCF | 3418937 | OANC | 252068 | cFOE | 206202 | ODZn | 0 |
| cFCF | 1163606 | ODNC | 41984 | cPOE | 70727 | OWZn | 0 |
| cPCF | 359254 | OWNC | 139091 | COOE | 30876 | SAZn | 0 |
| COCF | 97146 | SANC | 6988 | CNOE | 25899 | SDZn | 0 |
| CNCF | 94793 | SDNC | 5706 | NCOE | 40444 | NAZn | 0 |
| NCCF | 145436 | NANC | 7239 | NDOE | 377697 | HHZn | 0 |
| NDCF | 1737393 | HHNC | 57210 | MEOE | 1841 | CFCL | 2099 |
| MECF | 3252 | CFNP | 325160 | OCOE | 62496 | CPCL | 3083 |
| OCCF | 190304 | CPNP | 497213 | OAOE | 328560 | cFCL | 1075 |
| OACF | 1561830 | cFNP | 121332 | ODOE | 55725 | cPCL | 236 |
| ODCF | 233855 | cPNP | 42985 | OWOE | 194527 | COCL | 115 |
| OWCF | 701306 | CONP | 19201 | SAOE | 7028 | CNCL | 50 |
| SACF | 43945 | CNNP | 17378 | SDOE | 5383 | NCCL | 48 |
| SDCF | 29347 | NCNP | 27690 | NAOE | 10298 | NDCL | 1501 |
| NACF | 59819 | NDNP | 254698 | HHOE | 34759 | MECL | 8 |
| HHCF | 234139 | MENP | 1251 | CFSO | 27931 | OCCL | 225 |
| CFCP | 2585081 | OCNP | 38360 | CPSO | 42198 | OACL | 1395 |
| CPCP | 3982713 | OANP | 220804 | cFSO | 13305 | ODCL | 179 |
| cFCP | 1101079 | ODNP | 38048 | cPSO | 5283 | OWCL | 499 |
| cPCP | 394715 | OWNP | 120972 | COSO | 1626 | SACL | 67 |
| COCP | 173325 | SANP | 5328 | CNSO | 1395 | SDCL | 51 |
| CNCP | 143679 | SDNP | 4157 | NCSO | 2169 | NACL | 38 |
| NCCP | 227914 | NANP | 6445 | NDSO | 22293 | HHCL | 505 |
| NDCP | 2067943 | HHNP | 26628 | MESO | 170 | CFMn | 0 |
| MECP | 10335 | CFNA | 23839 | OCSO | 3285 | CPMn | 0 |
| OCCP | 348801 | CPNA | 36663 | OASO | 19670 | cFMn | 0 |
| OACP | 1790945 | cFNA | 11699 | ODSO | 2963 | cPMn | 0 |
| ODCP | 309426 | cPNA | 3574 | OWSO | 10402 | COMn | 0 |
| OWCP | 1108691 | CONA | 1482 | SASO | 377 | CNMn | 0 |
| SACP | 39334 | CNNA | 1238 | SDSO | 398 | NCMn | 0 |
| SDCP | 29920 | NCNA | 2019 | NASO | 838 | NDMn | 0 |
| NACP | 57934 | NDNA | 18709 | HHSO | 3609 | MEMn | 0 |
| HHCP | 282578 | MENA | 40 | CFOS | 1552251 | OCMn | 0 |
| CFcF | 1897798 | OCNA | 2977 | CPOS | 2363611 | OAMn | 0 |
| CPcF | 2698683 | OANA | 16513 | cFOS | 524340 | ODMn | 0 |
| cFcF | 876606 | ODNA | 2677 | cPOS | 199301 | OWMn | 0 |
| cPcF | 297217 | OWNA | 9297 | COOS | 101843 | SAMn | 0 |
| COcF | 81289 | SANA | 395 | CNOS | 103878 | SDMn | 0 |
| CNcF | 73798 | SDNA | 315 | NCOS | 162627 | NAMn | 0 |
| NCcF | 113512 | NANA | 445 | NDOS | 1207221 | HHMn | 0 |
| NDcF | 1380295 | HHNA | 2714 | MEOS | 10273 | CFMg | 0 |
| MEcF | 3802 | CFND | 169398 | OCOS | 204446 | CPMg | 0 |
| OCcF | 160273 | CPND | 256526 | OAOS | 1043352 | cFMg | 0 |
| OAcF | 1219162 | cFND | 79892 | ODOS | 194332 | cPMg | 0 |
| ODcF | 192236 | cPND | 27612 | OWOS | 605134 | COMg | 0 |
| OWcF | 571567 | COND | 8835 | SAOS | 23329 | CNMg | 0 |
| SAcF | 31961 | CNND | 8309 | SDOS | 17307 | NCMg | 0 |
| SDcF | 26246 | NCND | 13394 | NAOS | 32621 | NDMg | 0 |

| | | | | | | | |
|------|---------|------|---------|------|---------|------|--------|
| NAcF | 51962 | NDND | 133246 | HHOS | 122146 | MEMg | 0 |
| HHcF | 282508 | MEND | 366 | CFOD | 1122932 | OCMg | 0 |
| CFcP | 2233269 | OCND | 17794 | CPOD | 1741416 | OAMg | 0 |
| CPcP | 3209705 | OAND | 116222 | cFOD | 486151 | ODMg | 0 |
| cFcP | 947568 | ODND | 18728 | cPOD | 177728 | OWMg | 0 |
| cPcP | 319436 | OWND | 64716 | COOD | 81340 | SAMg | 0 |
| COcP | 100681 | SAND | 3141 | CNOD | 62613 | SDMg | 0 |
| CNcP | 98883 | SDND | 2358 | NCOD | 99460 | NAMg | 0 |
| NCcP | 153528 | NAND | 4312 | NDOD | 909201 | HHMg | 0 |
| NDCP | 1640200 | HHND | 76852 | MEOD | 4906 | CFF | 36913 |
| MEcP | 5653 | CFNR | 1037394 | OCOD | 164015 | CPF | 54071 |
| OCcP | 198766 | CPNR | 1470127 | OAOD | 784031 | cFF | 12988 |
| OAcP | 1437907 | cFNR | 429526 | ODOD | 138300 | cPF | 4366 |
| ODcP | 230246 | cPNR | 138416 | OWOD | 502660 | COF | 1819 |
| OWcP | 689988 | CONR | 45871 | SAOD | 16747 | CNF | 1627 |
| SAcP | 37682 | CNNR | 45894 | SDOD | 13117 | NCF | 2441 |
| SDcP | 26514 | NCNR | 71328 | NAOD | 25847 | NDF | 26660 |
| NAcP | 56167 | NDNR | 749630 | HHOD | 107655 | MEF | 131 |
| HHcP | 217410 | MENR | 2132 | CFP | 396716 | OCF | 3489 |
| CFC3 | 793444 | OCNR | 89895 | CPP | 608438 | OAF | 24122 |
| CPC3 | 1075299 | OANR | 663373 | cFP | 129538 | ODF | 3678 |
| cFC3 | 394139 | ODNR | 101189 | cPP | 50325 | OWF | 11730 |
| cPC3 | 124023 | OWNR | 312617 | COP | 26578 | SAF | 616 |
| COc3 | 23774 | SANR | 16856 | CNP | 27483 | SDF | 1183 |
| CNC3 | 25563 | SDNR | 11357 | NCP | 42662 | NAF | 623 |
| NCC3 | 39069 | NANR | 24481 | NDP | 311313 | HHF | 1701 |
| NDC3 | 548963 | HHNR | 77824 | MEP | 2813 | CFFe | 115954 |
| MEc3 | 436 | CFN0 | 836 | OCP | 53030 | CPFe | 183317 |
| OCC3 | 46061 | CPN0 | 1234 | OAP | 268581 | cFFe | 55177 |
| OAC3 | 495810 | cFN0 | 686 | ODP | 50350 | cPFe | 19185 |
| ODC3 | 67599 | cPN0 | 208 | OWP | 154467 | COFe | 3469 |
| OWC3 | 203618 | CON0 | 40 | SAP | 5916 | CNFe | 5036 |
| SAC3 | 15410 | CNN0 | 25 | SDP | 4270 | NCFe | 7783 |
| SDC3 | 9632 | NCN0 | 42 | NAP | 8457 | NDFe | 91106 |
| NAC3 | 24351 | NDN0 | 639 | HHP | 31193 | MEFe | 63 |
| HHC3 | 54075 | MEN0 | 2 | CFSA | 37959 | OCFe | 6884 |
| CFCW | 320431 | OCN0 | 82 | CPSA | 57056 | OAFe | 81449 |
| CPCW | 482882 | OAN0 | 545 | cFSA | 18624 | ODFe | 12270 |
| cFCW | 148781 | ODN0 | 103 | cPSA | 6465 | OWFe | 35953 |
| cPCW | 50414 | OWN0 | 380 | COSA | 2033 | SAFe | 2404 |
| COCW | 16906 | SAN0 | 14 | CNSA | 1498 | SDFe | 4323 |
| CNCW | 14910 | SDN0 | 8 | NCSA | 2417 | NAFe | 3696 |
| NCCW | 24141 | NAN0 | 28 | NDSA | 29603 | HHFe | 7377 |
| NDCW | 248806 | HHN0 | 0 | MESA | 142 | CFBr | 5036 |
| MECW | 905 | CFNS | 78621 | OCSA | 4068 | CPBr | 7184 |
| OCCW | 33881 | CPNS | 119541 | OASA | 25723 | cFBr | 2330 |
| OACW | 219333 | cFNS | 40268 | ODSA | 4372 | cPBr | 814 |
| ODCW | 35174 | cPNS | 15607 | OWSA | 11522 | COBr | 234 |
| OWCW | 115828 | CONS | 4518 | SASA | 804 | CNBr | 235 |
| SACW | 5524 | CNNS | 3721 | SDSA | 485 | NCBr | 359 |
| SDCW | 4233 | NCNS | 5947 | NASA | 958 | NDBr | 3618 |
| NACW | 8303 | NDNS | 62689 | HHSA | 13362 | MEBr | 5 |
| HHCW | 41254 | MENS | 515 | CFSD | 36858 | OCBr | 438 |
| CFCO | 432388 | OCNS | 8936 | CPSD | 53824 | OABr | 3230 |
| CPCO | 656884 | OANS | 54061 | cFSD | 18102 | ODBr | 572 |
| cFCO | 188926 | ODNS | 9114 | cPSD | 6215 | OWBr | 1535 |
| cPCO | 78534 | OWNS | 25701 | COSD | 2030 | SABr | 95 |

| | | | | | | | |
|------|--------|-------|---------|------|--------|------|------|
| COCO | 25026 | SANS | 1343 | CNSD | 1725 | SDBr | 103 |
| CNCO | 27738 | SDNS | 926 | NCSD | 2918 | NABr | 109 |
| NCCO | 43711 | NANS | 2575 | NDSD | 28492 | HHBr | 80 |
| NDCO | 347984 | HHNS | 6060 | MESD | 61 | CFV | 99 |
| MECO | 1343 | CFOC | 755647 | OCSD | 4028 | CPV | 157 |
| OCCO | 50464 | CPOC | 1128093 | OASD | 24149 | cFV | 75 |
| OACO | 299880 | cFOC | 320870 | ODSD | 3665 | cPV | 21 |
| ODCO | 48402 | cPOC | 135200 | OWSD | 11766 | COV | 3 |
| OWCO | 178298 | COOC | 42212 | SASD | 760 | CNV | 5 |
| SACO | 6861 | CNOOC | 49450 | SDSD | 560 | NCV | 8 |
| SDCO | 5133 | NCOC | 77884 | NASD | 889 | NDV | 87 |
| NACO | 14364 | NDOC | 595632 | HHSD | 811 | MEV | 0 |
| HHCO | 52632 | MEOC | 2163 | CFHL | 245971 | OCV | 7 |
| CFCN | 405133 | OCOC | 85124 | CPHL | 379210 | OAV | 75 |
| CPCN | 610626 | OAOC | 514088 | cFHL | 105378 | ODV | 9 |
| cFCN | 153788 | ODOC | 82956 | cPHL | 36775 | OWV | 33 |
| cPCN | 52747 | OWOC | 309763 | COHL | 16128 | SAV | 3 |
| COCN | 23714 | SAOC | 12149 | CNHL | 11668 | SDV | 3 |
| CNCN | 19782 | SDOC | 8839 | NCHL | 18694 | NAV | 4 |
| NCCN | 31767 | NAOC | 25550 | NDHL | 195223 | HHV | 233 |
| NDCN | 310024 | HHOC | 104159 | MEHL | 1264 | CFC0 | 1240 |
| MECN | 1134 | CFOA | 622169 | OCHL | 32037 | CPC0 | 1498 |
| OCCN | 47031 | CPOA | 926332 | OAHL | 173245 | cFC0 | 1110 |
| OACN | 272208 | cFOA | 280837 | ODHL | 30372 | cPC0 | 330 |
| ODCN | 45572 | cPOA | 96161 | OWHL | 109888 | COC0 | 58 |
| OWCN | 149136 | COOA | 33687 | SAHL | 2761 | CNC0 | 38 |
| SACN | 7533 | CNOA | 29002 | SDHL | 3841 | NCC0 | 49 |
| SDCN | 5832 | NCOA | 45398 | NAHL | 4824 | NDC0 | 854 |
| NACN | 8002 | NDOA | 476115 | HHHL | 750982 | MEC0 | 1 |
| HHCN | 45032 | MEOA | 1647 | CFZn | 0 | OCC0 | 121 |
| CFNC | 372730 | OCOA | 67204 | CPZn | 0 | OAC0 | 711 |
| CPNC | 563247 | AOOA | 418392 | cFZn | 0 | ODC0 | 143 |
| cFNC | 142845 | ODOA | 71685 | cPZn | 0 | OWC0 | 277 |
| cPNC | 48845 | OWOA | 221331 | COZn | 0 | SAC0 | 2 |
| CONC | 22716 | SAOA | 10952 | CNZn | 0 | SDC0 | 51 |
| CNNC | 17960 | SDOA | 8265 | NCZn | 0 | NAC0 | 49 |
| NCNC | 28558 | NAOA | 14657 | NDZn | 0 | HHC0 | 0 |
| NDNC | 285934 | HHOA | 70685 | MEZn | 0 | | |
| MENC | 1047 | CFOE | 479926 | OCZn | 0 | | |

5. PMF table file

```
# dens(segment,pro,het) of 6611 Proteins      17    34    60 12.000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000
 3.0000 0.0000 0.0000 3.0000 3.0000 3.0000 0.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000 3.0000 0.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000
 3.0000 0.0000 0.0000 3.0000 3.0000 3.0000 0.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 0.0000 0.0000 3.0000 3.0000 3.0000 0.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000
 3.0000 0.0000 0.0000 3.0000 3.0000 3.0000 0.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 0.0000 3.0000 3.0000 3.0000
 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000
```


| | | | | | | | | |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| 3.0000 | 3.0000 | 1.9897 | 0.7422 | 3.0000 | 3.0000 | 0.0000 | 1.5459 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.5485 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.6610 | 3.6093 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.3450 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.1465 | 1.7971 | 2.2329 | 1.9242 | 2.4125 | 1.9723 | 2.2215 | 2.6396 | |
| 1.7582 | 1.8109 | 0.3296 | 1.1258 | 1.8088 | 3.0000 | 1.6035 | 3.1725 | 2.3355 |
| 2.5212 | 3.0000 | 2.6380 | 2.3707 | 2.4023 | 3.0000 | 3.0000 | 2.1574 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 3.0000 | 3.2975 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.8614 | 2.3682 | 3.0000 | 2.0297 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.6213 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.6312 | 1.4825 | 3.0000 | 3.0000 | 3.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 1.8347 | 1.4234 | 1.6769 | 1.6035 | 1.3204 | 1.9900 | 1.7391 | 1.8307 | |
| 1.4899 | 1.4162 | 3.0000 | 1.1483 | 1.3734 | 0.0000 | 1.6317 | 2.3867 | 2.1820 |
| 1.8949 | 3.0000 | 1.9021 | 2.5278 | 2.0069 | 3.0000 | 3.0000 | 2.4138 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.3122 | 0.7222 | 3.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 2.6192 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 2.6710 | 3.5845 | 3.3999 | 2.9406 | 3.0000 | 3.0000 | 3.0000 | |
| 2.6424 | 3.0000 | 3.0000 | 3.0000 | 2.9371 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0429 | 3.2584 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 2.2688 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 1.1759 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 1.8121 | 2.2347 | 3.0000 | 3.0000 | 3.0000 | 1.3160 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.3807 | 2.0052 | 2.9530 | 2.5074 | 2.2485 | 3.0000 | 1.7535 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 2.0842 | 0.0000 | 1.1056 | 2.1707 | 3.0000 |
| 3.0000 | 3.0000 | 2.4823 | 2.1782 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|--------|--------|---------|---------|--------|
| 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 1.1702 | 3.0000 | 3.0000 | 0.4484 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 0.6245 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 1.4364 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 1.8260 | 1.4663 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.9250 | |
| 3.0000 | 3.0000 | 2.1863 | 1.0298 | 3.0000 | 3.0000 | 0.0000 | 1.1110 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 2.8784 | 3.3214 | 3.4206 | 3.3689 | 3.2196 | 3.0000 | 3.0000 | 2.5661 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.3694 | 0.0000 | 3.0000 | 3.5136 | 3.3263 | |
| 3.0000 | 3.0000 | 3.8548 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.7691 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | | |
| | 3.8928 | 2.5887 | 2.6788 | 2.9347 | 3.0000 | 2.5498 | 2.9307 | 3.2171 | |
| 2.8763 | 3.0000 | 1.5553 | 2.5212 | 3.5751 | 3.0000 | 1.5329 | 3.1018 | 3.0000 | |
| 3.0988 | 3.0000 | 3.6940 | 3.8978 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| | 3.0000 | 3.0000 | 3.3739 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.5704 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| | 3.0000 | 2.0428 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 1.0242 | 1.0234 | 1.2182 | 0.6849 | 0.6252 | 1.1912 | 0.9229 | 3.0000 | |
| 0.8779 | 0.9237 | 3.0000 | -0.1702 | 0.8403 | 0.0000 | 3.0000 | 3.0000 | 0.5550 | |
| 3.0000 | 3.0000 | 1.2969 | 3.0000 | 3.0000 | 0.0069 | 3.0000 | 0.3804 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.1517 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0845 | 3.4289 | 3.0000 | 2.7779 | 3.0000 | 2.5675 | 3.0000 | 2.8172 | |
| 3.0000 | 2.2329 | 3.0000 | 3.0000 | 3.1778 | 0.0000 | 1.1521 | 3.3732 | 3.0000 | |
| 3.0000 | 1.3646 | 3.0583 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 0.7116 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | -0.5897 | -0.8230 | |
| 3.0000 | 0.0000 | 0.8943 | 0.4333 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 2.5976 | 2.1396 | 2.3713 | 1.9416 | 3.0000 | 1.3912 | 1.8256 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 2.2254 | 3.0000 | |
| 1.6503 | 3.0000 | 2.0106 | 2.5039 | 3.0000 | 3.0000 | 3.0000 | 0.5665 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.8395 | 3.7530 | 2.7506 | 3.5181 | 3.0000 | 3.0000 | 3.0000 | 2.0922 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.1056 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.2155 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | | |
| 2.3102 | 1.6600 | 1.8304 | 1.7892 | 1.7666 | 3.0000 | 3.0000 | 1.6859 | | |
| 1.7534 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 2.2101 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 1.5854 | 1.7488 | 3.0000 | 3.0000 | 1.0756 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.2191 | 1.7985 | 3.1215 | 1.9368 | 2.4171 | 1.7075 | 3.0000 | 3.0000 | | |
| 3.0000 | 1.7937 | 3.0000 | 1.7087 | 1.6046 | 0.0000 | 3.0000 | 2.5785 | 3.0000 | |
| 2.3202 | 3.0000 | 2.8901 | 2.3467 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 3.0000 | 1.1577 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.4946 | 0.5209 | 0.8949 | 3.0000 | 0.6169 | 3.0000 | 0.4771 | 0.0640 | | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 1.2020 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 1.0805 | 3.0000 | 1.1960 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 0.5864 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.7199 | 2.2546 | 1.2397 | 1.9945 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.9006 | 3.0000 | 3.0000 | 1.8413 | 0.0000 | 3.0000 | 1.6962 | 0.6846 | |
| 1.3041 | 3.0000 | 0.6833 | 1.1983 | 3.0000 | 3.0000 | 0.0000 | 0.9715 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 4.4493 | 3.0000 | 3.0000 | 4.1394 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.2463 | 3.0000 | 3.0000 | 4.0452 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 3.0000 | 3.6135 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.9197 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 2.1183 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.6409 | 3.9854 | 3.7892 | 3.0000 | 3.0000 | 2.7150 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0328 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |

| | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|---------|--------|
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | -0.3678 | -0.0975 | -0.0112 | 0.0000 | 0.0000 | 3.0000 | -0.3458 | |
| 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | -1.0209 | -1.0845 | |
| 3.0000 | 0.0000 | -0.8333 | -0.3688 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 1.9639 | 3.0000 | |
| 3.0000 | 3.0000 | 2.8063 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.3672 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0245 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.6934 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 2.4557 | 3.0000 | 3.0000 | 1.9141 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 2.1437 | 0.0000 | 3.0000 | 3.0000 | 1.7899 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0751 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 2.6967 | 1.9818 | 2.1209 | 2.5842 | 2.1557 | 2.2639 | 2.7178 | 3.0000 | |
| 2.1987 | 3.0000 | 3.0000 | 3.0000 | 2.8092 | 0.0000 | 3.0000 | 2.7260 | 3.0000 | |
| 1.8195 | 3.0000 | 2.0318 | 3.3122 | 3.0000 | 1.0758 | 3.0000 | 0.4041 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 1.5257 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.6926 | 0.5367 | 1.4513 | 0.3600 | -0.0535 | 0.3115 | 0.6246 | 0.2115 | |
| 0.7234 | 3.0000 | 0.0000 | -0.5070 | 3.0000 | 0.0000 | 0.0000 | 0.3884 | 3.0000 | |
| 3.0000 | 0.0000 | 0.9405 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 1.7525 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 1.8103 | 1.5842 | 1.9037 | 2.1420 | 1.1342 | 1.6548 | 3.0000 | 1.4174 | |
| 1.6745 | 1.0481 | 3.0000 | 1.9576 | 1.3406 | 0.0000 | 3.0000 | -0.0475 | -0.1843 | |
| 0.5021 | 3.0000 | -0.2087 | 0.1570 | 1.6138 | 3.0000 | 0.0000 | 0.7733 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.0358 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 3.0000 | 3.8392 | 2.8118 | 3.4083 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.6480 | 0.0000 | 3.0000 | 3.0000 | 3.1960 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | |
| | 3.5233 | 2.3727 | 3.2588 | 3.8615 | 3.0000 | 3.2374 | 3.2093 | 2.1372 | |
| 3.0000 | 3.0000 | 3.0000 | 2.1517 | 3.0000 | 3.0000 | 3.0000 | 3.0791 | 3.0000 | |
| 2.7292 | 3.0000 | 3.5636 | 3.0283 | 2.8494 | 3.0000 | 3.0000 | 2.8438 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| | 3.5355 | 3.7446 | 3.6525 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 2.6332 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | |
| | 3.0000 | 3.0000 | 3.0000 | 2.2279 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |

| | | | | | | | | | |
|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.9808 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 2.4768 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 2.4515 | 3.0000 | |
| 3.0000 | 3.0000 | 2.3935 | 2.4874 | 3.0000 | 3.0000 | 3.0000 | 0.3288 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.5328 | 3.1669 | 2.6935 | 2.7263 | 2.8719 | 3.0000 | 3.2434 | 2.2779 | | |
| 3.1639 | 2.1026 | 3.0000 | 3.0000 | 3.4564 | 0.0000 | 1.6699 | 3.2429 | 2.6292 | |
| 2.9903 | 1.6432 | 2.4281 | 3.1447 | 2.6933 | 3.0000 | 3.0000 | 2.4520 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.4743 | -0.7470 | -0.3754 | -0.5283 | 0.0000 | 0.0000 | -0.8533 | -0.2147 | - | |
| 0.9638 | -0.6250 | 0.0000 | 0.0000 | -1.1506 | 0.0000 | 0.0000 | -1.7605 | -1.7713 | |
| -0.5597 | 0.0000 | -1.9958 | -0.8859 | -0.4925 | 0.0000 | 0.0000 | -1.0621 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.7281 | 1.4306 | 2.2410 | 1.6796 | 1.0009 | 1.2608 | 2.1042 | 1.9831 | | |
| 1.6627 | 0.9857 | 3.0000 | 3.0000 | 1.7961 | 0.0000 | 3.0000 | 1.8558 | 1.8830 | |
| 1.1110 | 3.0000 | 1.7893 | 1.2692 | 3.0000 | 3.0000 | 3.0000 | -0.7907 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0545 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0821 | 3.0000 | 3.7967 | 3.2208 | 3.0000 | 3.1556 | 3.0190 | | |
| 3.0895 | 3.0000 | 3.0000 | 3.0000 | 3.3842 | 0.0000 | 3.0000 | 3.5650 | 3.0000 | |
| 2.9081 | 3.0000 | 3.2509 | 3.7055 | 3.0000 | 3.0000 | 3.0000 | 0.0854 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 0.8825 | 0.5627 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.5888 | 1.8476 | 2.7572 | 1.7664 | 2.0452 | 1.6919 | 3.0000 | 3.0000 | | |
| 2.0320 | 3.0000 | 3.0000 | 3.0000 | 1.8659 | 0.0000 | 3.0000 | 1.8406 | 2.3300 | |
| 1.8612 | 3.0000 | 2.4985 | 2.2729 | 1.6184 | 3.0000 | 3.0000 | -0.6222 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -1.6493 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.3494 | 1.8737 | 1.9340 | 1.8502 | 1.8778 | 1.9861 | 2.8489 | 3.0000 | | |
| 3.0000 | 2.0723 | 3.0000 | 3.0000 | 1.7923 | 0.0000 | 3.0000 | 2.1180 | 1.6366 | |
| 1.6492 | 1.1935 | 2.0643 | 1.6195 | 2.0406 | 3.0000 | 1.3542 | -0.1832 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.8925 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 1.6987 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 1.3553 | 3.0000 | |
| 3.0000 | 0.0000 | 1.6568 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.5464 | 0.3905 | 0.1163 | 0.4911 | -1.0912 | 0.0337 | 0.7557 | 3.0000 | | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 0.5755 | 0.0000 | 0.0000 | -0.1909 | 0.4073 | |
| 3.0000 | 0.0000 | 0.3325 | 0.8832 | 0.1627 | 0.0000 | 0.0000 | -0.2747 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.2200 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.1363 | 1.0577 | 1.0358 | 1.8836 | 0.2159 | 0.8401 | 0.9539 | 3.0000 | | |
| 0.5860 | -0.0667 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.1954 | 1.1457 | 3.0000 | |
| 0.8650 | 0.0000 | 0.4961 | 0.6352 | 0.5659 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -2.7182 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.1486 | 0.9355 | 1.6880 | 1.0463 | 0.5549 | 1.3770 | 1.7200 | 1.9575 | | |
| 0.9182 | 0.7703 | 3.0000 | 1.0316 | 0.1977 | 0.0000 | -0.5266 | -0.7710 | -0.6424 | |
| -0.1226 | 3.0000 | -0.6695 | -0.2445 | 1.0967 | 1.2944 | 0.0000 | 0.6019 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.3136 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 4.0929 | 3.9572 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.9102 | 3.0000 | |
| 3.0000 | 3.0000 | 3.8425 | 4.0355 | 3.0000 | 3.0000 | 3.0000 | 2.7064 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 4.0502 | 3.1551 | 4.4339 | 4.3885 | 3.0000 | 3.0000 | 3.3273 | 3.6137 | | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.3236 | 3.0000 | 3.0000 | 3.0000 | 3.5488 | |

| | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 3.4954 | 3.0000 | 3.8514 | 3.4764 | 3.6156 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 3.6535 | 3.8626 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.5416 | 3.0000 | 3.0000 | 3.0000 | 2.6152 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0271 | 3.0000 | 3.0000 | 3.0000 | 2.1688 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 2.8949 | 2.6213 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.9941 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 2.7718 | 3.0000 | 2.3459 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 1.9141 | |
| 3.0000 | 3.0000 | 3.0000 | 1.9234 | 3.0000 | 3.0000 | 3.0000 | 1.3168 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.8356 | 2.5244 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 1.9227 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 2.1785 | |
| 3.0000 | 3.0000 | 1.7723 | 1.5482 | 3.0000 | 3.0000 | 3.0000 | -0.2014 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.2419 | 2.3846 | 2.6798 | 2.0478 | 2.9899 | 2.3160 | 3.3614 | 2.2642 | | |
| 2.8730 | 1.9814 | 3.0000 | 3.0000 | 2.3475 | 0.0000 | 2.1968 | 2.7127 | 2.6155 | |
| 2.6993 | 1.3523 | 2.3357 | 2.8538 | 3.2203 | 3.0000 | 3.0000 | 1.3812 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 1.2874 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.9200 | -1.1377 | -1.3386 | -1.4508 | 0.0000 | 0.0000 | -1.1442 | -0.7448 | - | |
| 0.6761 | -1.3249 | 0.0000 | 0.0000 | -1.6808 | 0.0000 | 0.0000 | -2.1865 | -2.1739 | |
| -0.6809 | 0.0000 | -2.5615 | -1.7406 | -0.5062 | 0.0000 | 0.0000 | 0.0055 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.3965 | 0.9934 | 1.9500 | 0.7605 | 0.4707 | 1.1396 | 1.8132 | 1.4529 | | |
| 1.2401 | 0.6947 | 3.0000 | 0.9346 | 1.0267 | 0.0000 | 1.0475 | 0.8257 | 1.7617 | |
| 1.0973 | 3.0000 | 0.9412 | 0.8744 | 1.0279 | 0.7107 | 3.0000 | -1.0236 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.7771 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.2866 | 2.0520 | 2.9079 | 2.7666 | 2.5209 | 2.4808 | 2.6254 | 2.1874 | | |
| 3.2075 | 3.0000 | 0.8331 | 2.0418 | 2.5527 | 0.0000 | 3.0000 | 3.6830 | 2.8407 | |
| 2.2081 | 3.0000 | 2.9599 | 1.9485 | 2.4850 | 3.0000 | 3.0000 | 0.2736 | 0.0000 | |
| 3.0000 | 0.0000 | 0.0000 | 1.0005 | 0.9821 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.4676 | 1.8174 | 2.8752 | 2.0160 | 1.5150 | 1.8099 | 2.1976 | 3.0000 | | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 1.7447 | 0.0000 | 1.0591 | 0.6622 | 1.6301 | |
| 1.9792 | 3.0000 | 1.4685 | 1.5035 | 3.0000 | 3.0000 | 3.0000 | -0.2803 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -1.3856 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.7978 | 1.3435 | 1.8128 | 1.4948 | 1.2567 | 0.8772 | 1.2297 | 1.2250 | | |
| 1.9072 | 1.3724 | 3.0000 | 3.0000 | 1.3530 | 0.0000 | 0.7212 | 1.4181 | 1.2140 | |
| 1.0452 | 3.0000 | 1.3532 | 1.1863 | 1.7496 | 3.0000 | 3.0000 | -0.1993 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.9840 | -1.0849 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 0.0000 | 1.7748 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.4482 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1540 | -0.2513 | -0.3444 | -0.1466 | -1.2826 | -0.0876 | -0.1834 | 0.4606 | | |
| 3.0000 | -0.9466 | 0.0000 | 3.0000 | 0.6935 | 0.0000 | 0.0000 | -0.4516 | 0.0254 | |
| -0.6266 | 0.0000 | -0.0730 | -0.1032 | -0.2599 | 0.0000 | 0.0000 | 0.2523 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -1.3753 | -2.6252 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.8453 | 0.0276 | 0.3071 | -0.0961 | -0.3384 | 0.5492 | 0.2539 | -0.3024 | | |
| 0.1633 | 0.0513 | 0.0000 | 0.5072 | -0.3890 | 0.0000 | -0.7438 | 0.5534 | 0.3634 | |

| | | | | | | | | |
|---------|---------|---------|---------|---------|--------|---------|---------|---------|
| 0.3348 | 0.0000 | -0.0904 | 0.3442 | 0.4446 | 0.0000 | 0.0000 | 0.7957 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -3.9557 | 0.0000 | 0.0000 | 0.0000 | |
| 1.1505 | 0.8275 | 1.0047 | 0.6697 | 0.4337 | 1.9040 | 0.5754 | 1.2576 | |
| 1.0362 | 1.2972 | 3.0000 | 0.3568 | -0.0582 | 0.0000 | 0.0004 | -0.5443 | -0.5583 |
| -0.0667 | 3.0000 | -0.5957 | -0.1676 | 1.4539 | 1.0034 | 0.0000 | 0.3560 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2537 | -0.1956 | 0.0000 | 0.0000 | 0.0000 | |
| 3.5520 | 3.3254 | 3.9245 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 2.7803 | 3.4644 | 0.0000 | 3.0000 | 3.1996 | 3.8302 |
| 3.0000 | 3.0000 | 3.1319 | 3.1932 | 3.0000 | 3.0000 | 3.0000 | 1.8641 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.9820 | 3.1714 | 2.9434 | 3.0810 | 2.9533 | 3.0537 | 3.1954 | 3.3120 | |
| 2.7320 | 2.3136 | 2.0592 | 2.0756 | 3.0219 | 3.0000 | 3.0000 | 3.6057 | 4.0651 |
| 3.6027 | 3.0000 | 3.0091 | 3.1748 | 3.0000 | 3.0000 | 2.4766 | 2.3299 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.1631 | 3.9699 | 3.0000 | 3.7759 | 3.3107 | 3.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 2.2993 | 3.0000 | 2.3369 | 3.0000 | 0.0000 | 3.0000 | 3.5121 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.6488 | 3.0000 | 3.0000 | 3.0000 | 1.5744 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.3283 | 2.5467 | 3.0000 | 3.0000 | 3.0000 | 2.1295 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 2.6849 | 0.0000 | 3.0000 | 3.0022 | 3.0000 |
| 2.2272 | 3.0000 | 3.0000 | 3.0551 | 3.0000 | 3.0000 | 3.0000 | 2.1014 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 3.0000 | 2.4701 | 3.0000 | 2.4532 | 3.0000 | 1.4849 | 1.9157 | 1.8044 | |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 1.6672 | 3.0000 |
| 1.7381 | 3.0000 | 2.1034 | 2.5940 | 3.0000 | 3.0000 | 3.0000 | -0.0208 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.8724 | 2.3594 | 2.4177 | 1.7944 | 1.6967 | 3.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 3.0000 | 3.0000 | 3.0000 | 2.0336 | 0.0000 | 3.0000 | 3.0000 | 1.6124 |
| 3.0000 | 3.0000 | 1.8137 | 2.0306 | 1.8955 | 3.0000 | 3.0000 | 1.0151 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0953 | 0.0000 | 0.0000 | 0.0000 | |
| 1.3070 | 0.9958 | 1.1584 | 1.2874 | 1.5380 | 1.0469 | 2.2447 | 1.9769 | |
| 2.0299 | 1.0186 | 3.0000 | 0.4653 | 1.4759 | 0.0000 | 0.5055 | 0.6320 | 0.6880 |
| 0.9478 | 3.0000 | 0.5469 | 0.9164 | 1.7460 | 0.5108 | 3.0000 | -0.0351 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.1474 | 1.7276 | 2.0479 | 1.6939 | 1.7689 | 1.9233 | 1.8709 | 1.4219 | |
| 2.2411 | 1.7872 | 3.0000 | 2.2297 | 1.6749 | 0.0000 | 1.8952 | 2.1096 | 1.7973 |
| 1.8008 | 3.0000 | 1.4817 | 1.8130 | 2.1794 | 1.9889 | 0.7428 | 1.2363 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.9847 | 0.7465 | 3.0000 | 0.0000 | 0.0000 | |
| -0.5263 | -0.2978 | -0.6285 | -0.6606 | 0.0000 | 0.0000 | -1.4079 | -0.3983 | - |
| 1.5922 | -0.3997 | 0.0000 | 0.0000 | -1.8402 | 0.0000 | 0.0000 | -2.1890 | -2.3515 |
| -0.7434 | 0.0000 | -2.2357 | -1.9991 | -0.5065 | 0.0000 | 0.0000 | 0.1127 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.9400 | 0.6111 | 0.9092 | 0.7568 | 0.6293 | 0.8379 | 1.1026 | 0.9815 | |
| 0.4470 | 0.3930 | 3.0000 | 1.4508 | 0.4857 | 0.0000 | 0.5066 | 0.3868 | 0.5305 |
| 1.2046 | 3.0000 | 0.5415 | -0.0083 | 0.9869 | 0.4090 | 3.0000 | -0.4695 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.6698 | 0.0000 | 0.0000 | 0.0000 | |
| 1.7507 | 1.3541 | 1.6005 | 1.6063 | 1.4200 | 1.5823 | 1.9148 | 1.6465 | |
| 1.4649 | 1.2940 | 0.7706 | 1.0447 | 1.5647 | 0.0000 | 1.2672 | 2.0530 | 1.6738 |
| 1.6200 | 0.9767 | 1.9333 | 1.3528 | 1.7743 | 3.0000 | 2.0037 | 0.3742 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.6804 | 3.0000 | 0.0000 | 0.0000 | |
| 1.2164 | 1.2550 | 1.8344 | 1.2696 | 1.1223 | 1.9172 | 1.4869 | 1.3719 | |
| 1.2002 | 0.9669 | 3.0000 | 0.6631 | 1.6822 | 0.0000 | 0.5182 | 0.0462 | 0.1203 |
| 1.4383 | 3.0000 | 0.2701 | 0.9411 | 1.8437 | 0.8605 | 3.0000 | -0.2955 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.5273 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3031 | 0.7528 | 0.9143 | 1.0183 | 0.5356 | 0.5574 | 1.1519 | 0.7588 | |
| 0.7313 | 1.0012 | 1.2496 | 0.3626 | 0.7402 | 0.0000 | 0.8285 | 0.2854 | 0.4635 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.4084 | 1.4188 | 0.3156 | 0.3655 | 1.4007 | 1.0233 | 1.1706 | -0.0314 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 1.0913 | -0.9360 | 3.0000 | 0.0000 | 0.0000 | |
| 2.2367 | 3.0000 | 3.0000 | 3.0000 | 1.3981 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 1.4468 |
| 3.0000 | 0.0000 | 1.4731 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.5737 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -1.8543 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0994 | -0.4162 | 0.0705 | -0.5105 | -0.6754 | 0.6679 | 0.1630 | 3.0000 | |
| 1.0798 | -0.8393 | 0.0000 | 0.2584 | -0.3036 | 0.0000 | 0.0000 | 0.3358 | 0.6325 |
| -1.0297 | 0.0000 | -0.3747 | -0.5087 | -0.1527 | 0.0000 | 0.0000 | 0.3595 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -2.5584 | -3.7939 | 0.0000 | 0.0000 | 0.0000 | |
| 0.4120 | 0.3334 | 0.6129 | 0.0828 | 0.2019 | 1.0654 | 0.2917 | 0.3455 | |
| 0.1630 | -0.0807 | 0.0000 | 3.0000 | 0.3665 | 0.0000 | -0.2275 | 0.3476 | 0.0617 |
| 0.4421 | 0.0000 | 0.1807 | 0.5028 | 0.2505 | 0.0000 | 0.0000 | 0.9029 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -3.2503 | 0.0000 | 0.0000 | 0.0000 | |
| 1.0933 | 0.7925 | 0.8672 | 0.5993 | 0.9119 | 0.7844 | 0.0008 | 0.7680 | |
| 0.8828 | 0.7563 | 0.5232 | 0.2163 | -0.0402 | 0.0000 | -0.1315 | -0.2443 | -0.3686 |
| 0.0708 | -0.0237 | -0.2818 | -0.1434 | 0.9130 | -0.1520 | 0.0000 | 0.0726 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2872 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.7828 | 3.3782 | 4.0499 | 3.6038 | 3.0444 | 3.0000 | 3.3047 | 2.9567 | |
| 2.7082 | 3.0553 | 3.0000 | 3.0000 | 3.5965 | 0.0000 | 3.0000 | 2.9791 | 2.7924 |
| 3.4988 | 3.0000 | 2.8012 | 2.7007 | 3.0000 | 2.2491 | 3.0000 | 1.3967 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.6431 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.2127 | 1.9530 | 2.2128 | 2.0729 | 2.1666 | 2.1781 | 2.2232 | 1.7165 | |
| 2.0514 | 1.8398 | 1.1265 | 1.5257 | 1.9920 | 3.0000 | 2.1629 | 2.5399 | 2.4381 |
| 2.3298 | 3.0000 | 2.4011 | 2.1209 | 2.4310 | 3.0000 | 3.0000 | 1.3775 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 2.5165 | 1.6167 | 3.0000 | 0.0000 | 3.0000 | |
| 2.5205 | 2.9534 | 3.3550 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0919 | 3.0000 | 3.0000 | 3.0000 | 3.4852 | 0.0000 | 3.0000 | 3.0000 | 2.8230 |
| 3.0000 | 3.0000 | 3.0145 | 2.9458 | 2.5241 | 3.0000 | 3.0000 | 0.7606 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.6750 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.3677 | 2.1999 | 2.5471 | 1.8083 | 3.0000 | 3.0000 | 2.2983 | 2.4021 | |
| 2.0498 | 1.2133 | 3.0000 | 3.0000 | 2.4081 | 0.0000 | 3.0000 | 2.4637 | 1.8893 |
| 1.9601 | 3.0000 | 2.6135 | 2.7611 | 2.3753 | 3.0000 | 3.0000 | 0.5842 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 1.1030 | 0.0000 | 0.0000 | 0.0000 | |
| 2.0050 | 1.9535 | 2.1911 | 1.7752 | 1.1445 | 1.6151 | 3.0000 | 1.9304 | |
| 2.0071 | 3.0000 | 3.0000 | 3.0000 | 1.5173 | 0.0000 | 3.0000 | 1.4755 | 1.8110 |
| 1.8800 | 3.0000 | 1.5693 | 2.7089 | 3.0000 | 3.0000 | 3.0000 | -0.2924 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 1.5121 | 1.4852 | 1.7251 | 1.2861 | 1.1873 | 1.5410 | 1.2753 | 3.0000 | |
| 1.4595 | 1.3271 | 3.0000 | 0.1883 | 1.3478 | 0.0000 | 3.0000 | 3.0000 | 0.9836 |
| 3.0000 | 3.0000 | 1.7292 | 1.9063 | 3.0000 | 0.3420 | 3.0000 | 0.7248 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.9306 | 0.6741 | 0.6828 | 0.8354 | 0.7273 | 0.6772 | 1.1347 | 1.0457 | |
| 0.5851 | 0.9538 | -0.1751 | 0.6017 | 1.0674 | 0.0000 | 3.0000 | -0.3276 | -0.2456 |
| 0.3021 | 0.6073 | -0.3630 | -0.0164 | 1.2207 | 3.0000 | 0.8636 | -0.0543 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.6887 | 0.1617 | 0.0000 | 0.0000 | 0.0000 | |
| 1.9851 | 1.6947 | 1.9629 | 1.6923 | 1.7004 | 1.5301 | 2.2892 | 1.4810 | |
| 1.6514 | 1.4965 | 1.7867 | 1.4787 | 1.7332 | 0.0000 | 1.6124 | 1.0074 | 0.8756 |
| 1.1810 | 3.0000 | 0.7455 | 1.1808 | 2.0357 | 3.0000 | 2.2080 | 1.0285 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.6903 | 1.2042 | 0.5115 | 0.0000 | 0.0000 | |
| -0.1308 | -0.0677 | -0.3549 | -0.3328 | 0.0000 | 0.0000 | -1.1593 | -0.2724 | - |
| 1.1670 | 3.0000 | 0.0000 | 0.0000 | -1.7081 | 0.0000 | 0.0000 | -1.9059 | -1.8196 |
| -0.4317 | 0.0000 | -1.6019 | -1.9884 | -0.7412 | 0.0000 | 0.0000 | -0.4168 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.5648 | 0.6447 | 0.6363 | 0.6195 | 1.1258 | 0.6105 | 0.5240 | 0.6291 | - |
| 0.4155 | -0.1048 | -0.1157 | -0.0486 | -0.1367 | 0.0000 | -0.1852 | -0.3822 | -0.1070 |

| | | | | | | | | |
|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0.6245 | 3.0000 | 0.1391 | -1.0619 | 0.8928 | 3.0000 | 1.0538 | -0.4756 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.8995 | -0.8603 | 0.0000 | 0.0000 | 0.0000 | |
| 2.2289 | 1.4687 | 1.7349 | 1.7765 | 1.9133 | 1.6139 | 2.3497 | 1.7725 | |
| 0.5199 | 1.6001 | 1.7130 | 0.8981 | 1.3562 | 0.0000 | 1.3934 | 1.3686 | 1.1513 |
| 1.4790 | 1.4992 | 1.5214 | 0.5552 | 1.8972 | 2.0195 | 3.0000 | 0.3505 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.2223 | 0.8989 | 3.0000 | 0.0000 | 0.0000 | |
| 0.8346 | 0.5329 | 0.7654 | 0.7499 | 0.3287 | 0.3102 | 0.7164 | 0.6442 | |
| 0.1930 | 0.3747 | 3.0000 | -0.2063 | 0.4412 | 0.0000 | 0.1445 | -0.8441 | -0.4575 |
| 0.3534 | 0.3824 | -0.7666 | -0.1127 | 1.1487 | 0.5649 | 0.3499 | -0.3995 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.4842 | -0.2179 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1615 | 0.4215 | 0.6131 | 0.4479 | 0.2812 | -0.0227 | 0.9321 | 0.4299 | |
| 0.1522 | 0.5497 | 0.0156 | -0.1984 | 0.1402 | 0.0000 | 0.0805 | -0.5254 | -0.3032 |
| 0.0546 | 1.1233 | -0.4785 | -0.3642 | 0.4590 | 3.0000 | 0.7367 | -0.2918 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.4668 | -0.5712 | 0.4146 | 0.0000 | 0.0000 | |
| 2.3549 | 3.0000 | 1.6404 | 1.3651 | 3.0000 | 3.0000 | 3.0000 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | 3.0000 | 3.0000 |
| 3.0000 | 0.0000 | 1.9961 | 1.3675 | 3.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.5314 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3492 | 0.4172 | 0.7850 | 0.5790 | -1.4748 | 0.3892 | -0.0503 | 3.0000 | |
| 0.3740 | 0.4832 | 0.0000 | 3.0000 | 0.5239 | 0.0000 | 0.0000 | 0.0365 | 0.7428 |
| 0.4405 | 0.0000 | 0.3066 | 0.4054 | 0.9198 | 0.0000 | 0.0000 | 0.8871 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -1.2520 | -2.3314 | 0.0000 | 0.0000 | 0.0000 | |
| 1.2405 | 1.0677 | 0.9213 | 1.6006 | 1.3979 | 3.0000 | 1.0568 | 1.2894 | |
| 0.3828 | 0.3330 | 0.0000 | 0.3419 | -0.0550 | 0.0000 | 3.0000 | -0.4853 | -0.3515 |
| 0.4143 | 0.0000 | -0.4132 | -0.3424 | 1.3230 | 0.0000 | 0.0000 | 0.3734 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -1.5740 | 0.0000 | 0.0000 | 0.0000 | |
| 0.8882 | 0.6376 | 0.5726 | 0.3422 | 0.4025 | 0.7267 | -0.2747 | 0.6372 | |
| 0.6298 | 0.9307 | -0.1703 | 0.3874 | 0.1812 | 0.0000 | -0.0963 | -0.1408 | -0.0886 |
| -0.1805 | 0.0898 | -0.2174 | -0.0820 | -0.1122 | 0.1669 | 0.0000 | -0.1068 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1726 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 2.6609 | 2.7406 | 2.8383 | 3.1366 | 2.9338 | 2.8238 | 3.4134 | 3.0000 | |
| 2.2487 | 3.2135 | 3.0000 | 2.2253 | 2.9013 | 0.0000 | 3.0000 | 2.4328 | 1.9125 |
| 2.2716 | 3.0000 | 2.2708 | 2.5147 | 3.0000 | 3.0000 | 3.0000 | 0.7171 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.1710 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.8286 | 2.4509 | 2.7765 | 2.4573 | 2.3740 | 2.6568 | 2.8422 | 2.1679 | |
| 2.3340 | 3.0551 | 3.0000 | 2.2309 | 2.3679 | 0.3097 | 2.5195 | 2.3194 | 2.0189 |
| 2.2781 | 3.0000 | 2.0123 | 2.1253 | 3.0106 | 2.5950 | 1.3860 | 1.0265 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 2.6231 | 2.2162 | 3.0000 | 0.0000 | 3.0000 | |
| 2.5742 | 2.9969 | 3.4716 | 4.0455 | 3.5781 | 3.0000 | 2.3843 | 3.0000 | |
| 2.2466 | 2.6318 | 3.0000 | 2.5998 | 3.1990 | 0.0000 | 2.2865 | 2.2104 | 1.9021 |
| 2.1821 | 3.0000 | 2.5800 | 2.1032 | 3.0475 | 3.0000 | 3.0000 | 0.1945 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 1.3726 | 3.0000 | 3.0000 | 0.0000 | 3.0000 | |
| 2.4777 | 2.0207 | 2.6637 | 2.1076 | 2.2478 | 2.3808 | 3.0000 | 1.8711 | |
| 1.6135 | 3.0000 | 3.0000 | 1.9729 | 1.2345 | 0.0000 | 0.9094 | 1.0834 | 1.1738 |
| 1.4433 | 3.0000 | 1.5179 | 1.2703 | 3.0000 | 1.3102 | 3.0000 | -0.0231 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.7294 | -0.5027 | 0.0000 | 0.0000 | 0.0000 | |
| 1.4668 | 1.2338 | 1.6596 | 1.6656 | 1.9214 | 0.9183 | 0.9931 | 2.0476 | |
| 2.1114 | 0.7262 | 3.0000 | 0.8917 | 1.4703 | 0.0000 | 0.9959 | 1.0137 | 1.0956 |
| 3.0000 | 3.0000 | 1.2042 | 1.0786 | 1.4648 | 3.0000 | 3.0000 | -0.8847 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.3637 | 0.0000 | 0.0000 | 0.0000 | |
| 1.8613 | 1.7259 | 1.6026 | 2.3032 | 3.0000 | 1.6621 | 3.0000 | 3.0000 | |
| 3.0000 | 1.4853 | 3.0000 | 3.0000 | 1.6403 | 0.0000 | 0.8814 | 1.3935 | 0.9378 |
| 3.0000 | 3.0000 | 1.1083 | 1.7119 | 1.7238 | 3.0000 | 3.0000 | 0.5959 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.5044 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1878 | 0.0536 | 0.2857 | 0.3718 | 0.0529 | -0.1998 | 0.5952 | 0.1940 | |
| 0.4789 | 0.2031 | 0.1799 | 0.0800 | 0.0679 | 0.0000 | -0.2005 | -1.2551 | -0.8936 |

-0.5036 0.7129 -1.0338 -0.7937 0.2945 0.3207 3.0000 -0.2598 0.0000
 0.0000 0.0000 0.0000 -0.2618 -0.0567 0.0000 0.0000 0.0000
 1.5325 1.2284 1.4274 1.3639 1.3386 1.2421 1.4616 1.4499
 1.2202 1.1471 1.0845 1.1341 0.7255 0.0000 1.0816 -0.0094 -0.1546
 0.7659 1.4394 -0.1875 0.3665 1.5387 1.7989 1.6589 0.7602 0.0000
 3.0000 0.0000 0.0000 1.2563 1.0646 1.0218 0.0000 0.0000
 -0.4860 -0.3269 -0.2382 -1.0211 0.0000 0.0000 -1.8305 -0.3944 -
 0.1131 -0.7153 0.0000 0.0000 -0.3403 0.0000 0.0000 -1.4170 -1.0560
 -0.3004 0.0000 -1.1656 -1.3129 -0.6268 0.0000 0.0000 -0.6078 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.6185 0.4949 0.5101 0.3246 0.1501 0.2713 0.7875 0.7143 -
 1.1854 -0.2935 -1.0320 -0.7213 -0.8149 0.0000 -0.4254 -0.5497 -0.3931
 0.1685 0.3096 -0.1752 -1.4145 0.5982 -0.0203 1.1528 -0.6832 0.0000
 0.0000 0.0000 0.0000 0.0565 -0.6076 0.0000 0.0000 0.0000
 1.3504 1.1676 1.4380 1.3236 1.4546 0.9767 1.4155 1.3110 -
 0.3578 0.5694 0.4140 -0.1987 0.3754 0.0000 0.3974 0.9250 0.8975
 1.2301 1.3656 1.0682 -0.0300 1.7405 1.3070 0.9826 0.1491 0.0000
 3.0000 0.0000 0.0000 0.7321 0.8502 3.0000 0.0000 0.0000
 0.4108 0.3062 0.4731 0.3862 0.2181 -0.0905 0.4161 0.4463 -
 0.4333 -0.0391 0.1071 -0.6311 -0.4353 0.0000 -0.5561 -1.1511 -0.8927
 -0.1122 0.8969 -1.0592 -0.6888 0.4639 1.0794 -0.2614 -0.4936 0.0000
 0.0000 0.0000 0.0000 -0.3776 -0.0273 0.0000 0.0000 0.0000
 -0.3821 0.0277 0.1308 0.0351 -0.1846 -0.1585 0.3017 0.1881 -
 0.5250 -0.3788 -0.4324 -0.6959 -0.6217 0.0000 -0.5098 -1.0761 -0.9215
 -0.3435 0.5807 -1.0020 -0.9565 0.2979 0.3547 -0.0898 -0.4715 0.0000
 0.0000 0.0000 0.0000 -0.3762 -0.4974 0.1070 0.0000 0.0000
 1.8167 3.0000 1.5178 3.0000 3.0000 3.0000 3.0000 3.0000 1.3710
 3.0000 0.7878 0.0000 3.0000 1.2886 0.0000 3.0000 0.6441 3.0000
 1.1381 0.0000 3.0000 1.8834 3.0000 0.0000 0.0000 3.0000 0.0000
 0.0000 0.0000 0.0000 0.0000 3.0000 0.0000 0.0000 0.0000
 0.0357 1.2786 0.2260 0.5770 -0.7421 -0.2289 0.7976 0.5718
 0.2391 0.6413 0.0000 3.0000 -0.0925 0.0000 0.0000 0.3777 0.5439
 0.3326 0.0000 1.2779 0.6821 3.0000 0.0000 0.0000 0.1796 0.0000
 0.0000 0.0000 0.0000 3.0000 -1.0518 0.0000 0.0000 0.0000
 0.7246 0.2275 0.6290 0.5034 0.4222 -0.0419 0.5173 0.3495
 0.0781 0.0821 0.0000 -0.7203 -1.6143 0.0000 -1.4501 -1.1285 -1.0219
 0.0672 0.0000 -0.9237 -1.0716 0.4878 0.0000 0.0000 -0.3341 0.0000
 0.0000 0.0000 0.0000 0.0000 -1.0367 0.0000 0.0000 0.0000
 0.4466 0.2206 0.4286 0.0250 0.2919 0.1010 -0.5097 0.2644
 0.1249 0.7875 3.0000 0.0296 -0.0613 0.0000 0.1120 -0.1536 -0.1300
 -0.0164 -0.2831 -0.3971 -0.0660 -0.5712 -0.1365 0.0000 -0.1639 0.0000
 0.0000 0.0000 0.0000 -0.3674 -0.2199 0.0000 0.0000 0.0000
 2.5245 2.1866 2.2788 2.5578 2.5131 2.6355 2.3671 2.2339
 1.6831 2.4086 3.0000 2.1041 2.2361 0.0000 2.7910 1.6192 1.1708
 1.5471 1.6712 1.5855 1.4629 2.3487 2.4532 1.4942 0.3945 0.0000
 3.0000 0.0000 0.0000 0.7013 2.1156 1.3115 0.0000 3.0000
 2.3024 2.0804 2.5498 2.2512 2.1597 2.3137 2.7561 2.0289
 1.7834 2.3819 2.4077 2.0475 1.8780 3.0000 2.0887 1.6452 1.3196
 1.6557 2.1538 1.3942 1.5521 2.4313 2.0454 1.3600 0.4392 0.0000
 3.0000 0.0000 0.0000 0.9265 0.9985 3.0000 0.0000 3.0000
 2.4561 2.4629 2.4326 2.3163 2.5499 3.1324 3.0266 3.0000
 1.7366 2.1284 1.7337 1.4214 2.5745 0.0000 1.9873 1.5731 1.3496
 1.6562 1.8818 1.9748 1.3853 2.7455 3.0000 2.1319 -0.1588 0.0000
 3.0000 0.0000 0.0000 0.3679 2.0864 3.0000 0.0000 3.0000
 1.9575 1.2261 1.1557 1.1604 0.9016 1.5443 1.5029 1.0718
 0.5629 0.9375 3.0000 0.4193 -0.3049 0.0000 -0.1075 0.5096 0.5139

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.0656 | 0.9279 | 0.5147 | 0.5724 | 1.4485 | 3.0000 | 0.8529 | -0.2654 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.4201 | -1.8635 | 0.0000 | 0.0000 | 0.0000 | |
| 1.2121 | 1.0707 | 1.7687 | 0.9936 | 0.8144 | 1.4403 | 1.8340 | 1.3392 | |
| 0.5730 | 3.0000 | 3.0000 | 0.7704 | 1.0443 | 0.0000 | 1.1056 | 0.8260 | 0.7824 |
| 0.8373 | 3.0000 | 0.7628 | 0.2229 | 0.9931 | 3.0000 | 3.0000 | -0.8573 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | -0.1941 | 0.0000 | 0.0000 | 0.0000 | |
| 1.7250 | 1.5387 | 1.4724 | 1.1971 | 1.1345 | 3.0000 | 2.3037 | 1.2323 | |
| 0.8434 | 3.0000 | 3.0000 | 3.0000 | 1.1762 | 0.0000 | 3.0000 | 0.4697 | 0.4076 |
| 0.5166 | 3.0000 | 0.4343 | 0.6153 | 1.8307 | 0.5461 | 3.0000 | -0.0399 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2467 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2785 | -0.2449 | -0.0667 | -0.1436 | -0.3206 | -0.2941 | -0.0629 | 0.0837 | |
| 0.0980 | -0.1580 | 0.6971 | -0.6321 | -0.4568 | 0.0000 | -0.5285 | -1.3558 | -1.1609 |
| -0.9156 | 0.1634 | -1.1595 | -1.1158 | -0.0560 | -0.2288 | -0.0021 | -0.4463 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.8103 | -0.1263 | 0.0000 | 0.0000 | 0.0000 | |
| 1.2143 | 0.9307 | 1.1474 | 1.0685 | 0.9951 | 0.8964 | 1.2978 | 1.1757 | |
| 0.8497 | 0.7887 | 0.5960 | 0.8005 | 0.1109 | 0.0000 | 0.4383 | -0.3257 | -0.5461 |
| 0.4342 | 1.1292 | -0.4832 | -0.0741 | 1.1736 | 0.7931 | 0.9334 | 0.3747 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.3396 | 1.0859 | 0.4682 | 0.0000 | 0.0000 | |
| -0.1165 | -0.9231 | 0.2010 | -1.2512 | 0.0000 | 0.0000 | -1.8785 | -0.8635 | |
| 0.3934 | 0.0776 | 0.0000 | 0.0000 | -0.6346 | 0.0000 | 0.0000 | -0.8982 | -1.4430 |
| 3.0000 | 0.0000 | -0.8824 | -0.8216 | -1.6905 | 0.0000 | 0.0000 | -0.7818 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1187 | 0.2241 | 0.5915 | 0.3251 | 0.3338 | 0.3149 | 0.3978 | 0.3996 | - |
| 1.4116 | -0.5240 | -1.4694 | -0.8970 | -0.7034 | 0.0000 | -0.7379 | -0.2537 | -0.1461 |
| 0.1961 | 3.0000 | -0.2289 | -0.9980 | 0.6408 | 0.1859 | 0.5971 | -0.6983 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2879 | -0.3685 | 0.0000 | 0.0000 | 0.0000 | |
| 1.0444 | 0.9162 | 1.2603 | 0.8789 | 1.5253 | 1.0189 | 1.4623 | 1.0738 | - |
| 0.6119 | 0.2580 | 0.8799 | -0.5088 | 0.2340 | 0.0000 | 0.3111 | 0.8277 | 0.8710 |
| 0.8805 | 1.7035 | 0.9644 | 0.1139 | 1.5217 | 1.2740 | 1.3523 | 0.2104 | 0.0000 |
| 0.1401 | 0.0000 | 0.0000 | 0.4503 | 1.0893 | 1.0495 | 0.0000 | 0.0000 | |
| 0.5103 | 0.3604 | 0.4352 | 0.4375 | 0.2724 | 0.1051 | 0.0322 | 0.5165 | - |
| 0.6981 | 0.0663 | -0.1936 | -0.7235 | -0.5337 | 0.0000 | -0.6856 | -0.6812 | -0.4393 |
| -0.1107 | 0.9957 | -0.5907 | -0.5373 | 0.6309 | 0.3601 | 0.1324 | -0.5184 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0900 | 0.2498 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1079 | 0.1291 | 0.2163 | 0.1771 | 0.1208 | 0.0484 | 0.2609 | 0.4077 | - |
| 0.7529 | -0.3911 | -0.5783 | -0.6450 | -0.7440 | 0.0000 | -0.5798 | -0.8132 | -0.7870 |
| -0.5107 | -0.0309 | -0.7785 | -0.8460 | 0.2351 | 0.0444 | -0.1090 | -0.4450 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1855 | -0.3854 | -0.0376 | 0.0000 | 0.0000 | |
| 1.2714 | 1.5542 | 2.2750 | 1.8547 | 3.0000 | 3.0000 | 1.4795 | 3.0000 | |
| 3.0000 | 3.0000 | 0.0000 | 0.8085 | -0.0378 | 0.0000 | 0.3899 | 1.0695 | 0.9374 |
| 3.0000 | 0.0000 | 2.2014 | 1.5744 | 1.3335 | 0.0000 | 0.0000 | 0.9060 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1512 | 0.6974 | -0.4339 | 0.7599 | -0.2593 | 0.2143 | 0.8993 | 0.5116 | |
| 0.3366 | -0.0318 | 0.0000 | -0.4179 | -1.0208 | 0.0000 | 0.0000 | 0.6427 | 0.5321 |
| 0.6941 | 0.0000 | 0.5592 | 1.8392 | 0.7322 | 0.0000 | 0.0000 | -0.0473 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.5839 | 0.0000 | 0.0000 | 0.0000 | |
| 0.4416 | -0.0136 | 0.5357 | 0.2533 | 0.1331 | -0.3377 | 0.3583 | -0.2210 | - |
| 0.6985 | -0.0123 | 0.0000 | -1.5973 | -2.4081 | 0.0000 | -1.6417 | -0.9410 | -1.0597 |
| -0.2817 | 0.0000 | -0.8269 | -1.1317 | 0.8961 | 0.0000 | 0.0000 | -0.3625 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.4581 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3043 | 0.0497 | 0.1800 | -0.1928 | -0.0212 | -0.1795 | -0.6215 | -0.0273 | - |
| 0.1225 | 0.4671 | 3.0000 | -0.1491 | -0.1148 | 0.0000 | -0.1359 | -0.2555 | -0.2371 |
| -0.0424 | -0.4013 | -0.2847 | -0.1524 | -0.8837 | -0.2258 | 0.0000 | -0.1405 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.6819 | -0.6578 | 0.0000 | 0.0000 | 0.0000 | |
| 1.6658 | 1.6262 | 1.7639 | 1.7379 | 1.6377 | 1.6464 | 1.7357 | 1.8369 | |
| 1.0839 | 1.7242 | 1.8465 | 1.1912 | 1.2608 | 0.0000 | 1.2963 | 0.9280 | 0.5824 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.8366 | 1.7639 | 0.9173 | 0.8336 | 1.9930 | 1.4887 | 1.2796 | 0.1274 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.3072 | 1.6206 | 0.5825 | 0.0000 | 3.0000 | |
| 1.9089 | 1.7067 | 1.6515 | 1.8142 | 1.4911 | 1.6369 | 2.0473 | 1.8804 | |
| 1.2963 | 1.8200 | 1.6915 | 1.5299 | 1.2067 | 3.0000 | 1.4697 | 0.8538 | 0.4429 |
| 0.7472 | 2.2466 | 0.6364 | 0.8001 | 2.0061 | 1.7291 | 0.4972 | 0.2977 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.1682 | 0.0117 | 0.6604 | 0.0000 | 3.0000 | |
| 1.5850 | 1.7399 | 1.7386 | 1.3309 | 1.8657 | 1.4148 | 1.7349 | 1.6577 | |
| 0.8539 | 1.3531 | 1.1873 | 0.5957 | 1.0514 | 0.0000 | 0.9423 | 0.7795 | 0.6017 |
| 0.7756 | 1.9746 | 1.1403 | 0.8311 | 2.3054 | 1.0686 | 1.1614 | -0.3831 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.1250 | 2.2396 | 3.0000 | 0.0000 | 3.0000 | |
| 1.0507 | 0.7825 | 0.9040 | 0.5674 | 0.4413 | 0.6777 | 0.7052 | 0.6512 | |
| 0.3987 | 0.5016 | 1.1358 | -0.1839 | -1.0207 | 0.0000 | -0.2651 | -0.0458 | -0.2263 |
| 0.2925 | 1.0207 | 0.1075 | 0.1077 | 1.1401 | 1.0925 | 0.2293 | -0.3320 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1343 | -2.5106 | 0.0000 | 0.0000 | 0.0000 | |
| 0.8736 | 0.6993 | 1.0783 | 0.6253 | 0.4819 | 0.8982 | 1.2814 | 0.9015 | - |
| 0.1152 | 0.3563 | -0.7421 | 0.1707 | 0.3960 | 0.0000 | 0.3908 | -0.1417 | 0.1024 |
| 0.5426 | 3.0000 | 0.1445 | -0.7474 | 0.9619 | 0.1707 | 3.0000 | -0.5627 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0027 | -0.5408 | 0.0000 | 0.0000 | 0.0000 | |
| 0.9719 | 0.7991 | 1.0750 | 1.0468 | 0.7302 | 0.8241 | 1.0407 | 1.2035 | |
| 0.6485 | 0.9456 | 3.0000 | 0.4358 | 1.1521 | 0.0000 | 0.6852 | -0.2110 | -0.3641 |
| 0.2220 | 3.0000 | -0.0723 | -0.3268 | 1.5223 | 0.6387 | 3.0000 | -0.1126 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.6654 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0461 | -0.0900 | 0.0112 | -0.0378 | -0.1008 | -0.2402 | -0.3194 | 0.0790 | - |
| 0.1499 | 0.0123 | -0.1507 | -0.2701 | -0.4247 | 0.0000 | -0.7753 | -1.0741 | -0.8768 |
| -0.8937 | 0.2562 | -0.8919 | -0.8308 | -0.0145 | 0.2728 | -0.2168 | -0.2742 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.3698 | 0.0269 | 0.0000 | 0.0000 | 0.0000 | |
| 1.2090 | 0.9526 | 1.1777 | 1.0755 | 1.1666 | 0.8936 | 0.9676 | 1.0088 | |
| 0.8504 | 0.8244 | 1.0553 | 0.6582 | 0.0437 | 0.0000 | 0.1976 | 0.0177 | -0.2754 |
| 0.3543 | 0.9827 | -0.1823 | -0.0083 | 1.2329 | 0.8858 | 0.7187 | 0.2082 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.3732 | 0.6855 | 0.5571 | 0.0000 | 0.0000 | |
| -0.2302 | -1.0439 | -0.5502 | -1.2054 | 0.0000 | 0.0000 | -1.8767 | -1.1315 | |
| 0.0760 | -0.1979 | 0.0000 | 0.0000 | -0.5271 | 0.0000 | 0.0000 | -0.4561 | -1.2793 |
| 0.5843 | 0.0000 | -0.8034 | 0.0566 | -2.2105 | 0.0000 | 0.0000 | -0.9240 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0867 | -0.2024 | 0.2177 | -0.0093 | 0.3385 | 0.0815 | -0.0523 | 0.0158 | - |
| 0.9918 | 0.0116 | -1.1485 | -0.4928 | -0.2217 | 0.0000 | -0.8334 | -0.2217 | -0.2585 |
| 0.0223 | 1.1493 | -0.1799 | -0.7907 | 0.3530 | 0.5800 | -0.0266 | -0.6854 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0274 | -0.2848 | 0.0000 | 0.0000 | 0.0000 | |
| 0.8661 | 0.4768 | 0.8328 | 0.3856 | 1.2714 | 0.9281 | 1.1489 | 0.3969 | - |
| 0.3721 | 0.2402 | 0.8119 | -0.2470 | 0.6474 | 0.0000 | 0.3419 | 0.6975 | 0.5072 |
| 0.6306 | 2.2052 | 0.9831 | 0.2479 | 1.6591 | 1.0894 | 0.6514 | 0.2738 | 0.0000 |
| 3.0000 | 0.0000 | 0.0000 | 0.5440 | 1.5198 | 0.4902 | 0.0000 | 0.0000 | |
| 0.2240 | 0.0904 | 0.1352 | 0.1752 | 0.0186 | -0.1978 | -0.2325 | 0.2010 | - |
| 0.5683 | -0.2807 | 0.5563 | -0.5171 | -0.1548 | 0.0000 | -0.5077 | -0.3391 | -0.1295 |
| -0.1823 | 1.0884 | -0.2443 | -0.1349 | 0.3224 | -0.6953 | -0.8853 | -0.4213 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2827 | 0.7044 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0492 | -0.0333 | 0.1561 | 0.0794 | 0.0136 | -0.2295 | -0.0901 | 0.0710 | - |
| 0.6838 | -0.2057 | -0.3262 | -0.5902 | -0.4113 | 0.0000 | -0.3868 | -0.4787 | -0.4585 |
| -0.5167 | -0.0206 | -0.4921 | -0.5525 | 0.0825 | -0.2024 | -0.2945 | -0.4660 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2156 | -0.0937 | -0.3577 | 0.0000 | 0.0000 | |
| 1.1984 | 1.4221 | 1.0190 | 1.5588 | 1.4887 | 3.0000 | 1.5750 | 1.5835 | |
| 0.9567 | 1.0660 | 0.0000 | 0.1011 | -0.2265 | 0.0000 | 0.0840 | 0.9197 | 0.4867 |
| 1.3747 | 0.0000 | 1.6465 | 1.4292 | 3.0000 | 0.0000 | 0.0000 | 0.5941 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.5300 | -0.1803 | -0.7105 | -0.1505 | -0.2295 | 0.0812 | -0.0109 | -0.0336 | - |
| 0.0717 | -0.3768 | 0.0000 | -0.8860 | -1.5345 | 0.0000 | 0.0000 | -0.2175 | -0.0262 |

-0.7486 0.0000 -0.1655 -0.0113 0.2921 0.0000 0.0000 -0.3592 0.0000
 0.0000 0.0000 0.0000 0.1524 0.7371 0.0000 0.0000 0.0000 0.0000
 0.5267 -0.2245 0.5837 0.0649 0.1047 -0.4301 -0.0696 -0.3676 -
 0.6332 -0.0486 0.0000 -1.3097 -2.1309 0.0000 -1.5387 -0.6581 -1.0532
 -0.3444 0.0000 -0.6481 -0.9099 -0.1789 0.0000 0.0000 -0.4352 0.0000
 0.0000 0.0000 0.0000 0.0000 0.2357 0.0000 0.0000 0.0000 0.0000
 0.1315 -0.1594 0.0025 -0.2281 -0.1075 -0.4586 -0.4968 -0.0484 -
 0.1187 0.0930 0.1555 -0.2247 -0.2284 0.0000 -0.4931 -0.2523 -0.1835
 -0.1971 0.2552 -0.4161 -0.2318 -0.9054 0.1623 0.0000 -0.1705 0.0000
 0.0000 0.0000 0.0000 0.3666 -0.4609 0.0000 0.0000 0.0000 0.0000
 0.8609 1.1034 0.8683 0.8516 0.7663 1.0624 1.1736 0.9844
 0.5486 1.0015 1.5334 0.7341 0.5592 0.0000 0.7453 0.3066 0.0826
 0.2900 1.3515 0.2990 0.3235 1.4707 1.0355 0.9523 0.0207 0.0000
 0.5637 0.0000 0.0000 0.1730 0.9940 0.6662 0.0000 3.0000
 1.2604 1.1945 1.1685 1.1924 1.1587 1.1218 1.4244 1.2980
 0.7345 1.3034 1.0076 0.8262 0.6551 -0.3006 0.9796 0.3184 0.0213
 0.2947 1.3283 0.0560 0.2935 1.4427 1.2760 0.6716 0.1932 0.0000
 1.1995 0.0000 0.0000 0.1479 -0.5126 1.0455 0.0000 0.3019
 0.7210 0.9133 0.6508 0.3721 0.1781 0.8490 1.0509 0.4621
 0.3398 0.4486 0.7045 0.3544 0.2427 0.0000 0.3638 0.1963 0.0393
 0.1682 0.5960 0.6054 0.3665 1.8364 0.2909 0.3342 -0.3867 0.0000
 3.0000 0.0000 0.0000 0.0004 1.3224 -0.0278 0.0000 3.0000
 0.4261 0.4028 0.1547 -0.2467 -0.1014 0.2281 0.5969 0.1609 -
 0.0512 0.2027 1.2317 -0.1295 -0.9654 0.0000 -0.3052 -0.3990 -0.4653
 -0.0229 1.5171 -0.2912 -0.2377 0.7114 0.4408 -0.1542 -0.3495 0.0000
 0.0000 0.0000 0.0000 -0.5666 -1.7773 0.0000 0.0000 0.0000
 0.2636 0.3880 0.5899 0.3822 0.4091 0.3181 0.6325 0.7593 -
 0.7537 -0.0404 -1.3324 -0.0721 -0.3447 0.0000 -0.3994 -0.4983 -0.3594
 0.3486 0.8219 -0.1904 -1.2008 1.2672 -0.1508 0.1914 -0.3535 0.0000
 0.0000 0.0000 0.0000 0.4946 -0.2024 0.0000 0.0000 0.0000
 0.4523 0.4289 0.5522 0.4450 0.4268 0.1313 0.9761 0.3279
 0.1506 0.4214 3.0000 0.3701 0.1581 0.0000 0.0433 -0.7203 -0.7090
 -0.2716 0.7315 -0.6475 -0.5805 0.7297 0.3172 0.5043 -0.1179 0.0000
 0.0000 0.0000 0.0000 -0.3103 0.5581 0.0000 0.0000 0.0000
 -0.0962 -0.2297 -0.0381 -0.3948 -0.0406 -0.4274 -0.8969 -0.1446 -
 0.1892 -0.0429 -0.1623 -0.3540 -0.4609 0.0000 -0.5580 -0.8885 -0.5231
 -0.5050 -0.1562 -0.7669 -0.6421 -0.4490 0.1905 -0.4819 -0.5393 0.0000
 0.0000 0.0000 0.0000 -0.5945 -0.1346 0.0000 0.0000 0.0000
 1.0202 0.8051 0.8477 0.6360 0.9537 0.7566 0.4138 0.7874
 0.5483 0.5907 0.5726 0.5112 0.2399 0.0000 0.3510 0.2821 -0.0320
 0.3632 0.4916 -0.0108 0.1285 0.6286 0.6115 0.0529 0.2361 0.0000
 3.0000 0.0000 0.0000 0.3734 0.5139 0.6408 0.0000 0.0000
 -0.0768 -1.4321 -1.1674 -1.3988 0.0000 0.0000 -1.8036 -1.0344 -
 0.5767 -0.3132 0.0000 0.0000 -0.3471 0.0000 0.0000 -0.7807 -0.6539
 -0.6046 0.0000 -1.2700 -0.2637 -2.7384 0.0000 0.0000 -1.1338 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.2144 -0.7466 0.0524 -0.3042 -0.0057 -0.2213 -0.5644 -0.6139 -
 0.6806 -0.1261 -0.5814 -0.3391 -0.3118 0.0000 -0.9059 -0.3354 -0.4558
 -0.1810 1.2368 -0.0868 -0.7706 0.2600 -0.1505 -0.0997 -0.5130 0.0000
 0.0000 0.0000 0.0000 -0.1269 -0.1448 0.0000 0.0000 0.0000
 0.3358 0.1666 0.5070 0.3043 0.4888 0.4183 0.5248 0.1991
 0.0516 0.0607 0.9866 0.2771 0.5330 0.0000 0.6241 0.6382 0.2042
 0.2761 1.2356 0.8371 0.2424 1.4487 0.7321 0.5952 0.1047 0.0000
 0.7316 0.0000 0.0000 0.7570 1.4612 -0.0048 0.0000 0.0000
 -0.1534 -0.2943 -0.1421 -0.2568 -0.1717 -0.5460 -0.8109 -0.2628 -
 0.3557 -0.3180 1.0612 -0.2433 -0.0388 0.0000 -0.4711 -0.3649 -0.2120

-0.3088 0.2264 -0.2402 -0.1902 -0.4289 -1.1651 -0.7227 -0.3392 0.0000
 0.0000 0.0000 0.0000 -0.5310 0.8443 0.0000 0.0000 0.0000
 -0.4032 -0.3162 -0.1388 -0.2915 -0.2491 -0.3515 -0.5754 -0.2787 -
 0.6601 -0.2038 -0.1265 -0.3661 -0.2358 0.0000 -0.5755 -0.3511 -0.3755
 -0.3551 -0.1974 -0.3689 -0.4240 -0.2924 -0.2754 -0.5393 -0.5273 0.0000
 0.0000 0.0000 0.0000 0.0810 0.0639 -0.5754 0.0000 0.0000
 0.8335 0.9443 0.4481 0.8113 1.0536 0.7472 3.0000 0.5324
 0.0555 0.5418 0.0000 0.3748 0.2246 0.0000 -0.0581 0.8343 0.7819
 0.4249 0.0000 1.7344 1.5178 3.0000 0.0000 0.0000 0.6857 0.0000
 0.0000 0.0000 0.0000 0.0000 3.0000 0.0000 0.0000 0.0000 0.0000
 0.1321 0.2135 -0.3289 -0.4236 0.3674 -0.1764 0.0793 0.1147 -
 0.0641 -0.3712 0.0000 -1.0453 -1.6005 0.0000 0.0000 -0.0710 -0.2808
 0.3752 0.0000 -0.0651 -0.0042 0.6883 0.0000 0.0000 -0.8870 0.0000
 0.0000 0.0000 0.0000 0.6497 0.8770 0.0000 0.0000 0.0000 0.0000
 0.0568 -0.5664 0.1681 -0.6643 -0.2418 -0.6723 -0.6774 -0.5298 -
 0.4494 -0.1125 0.0000 -1.1650 -1.7671 0.0000 -1.3902 -0.5372 -0.9553
 -0.3902 0.0000 -0.7648 -0.7127 0.0024 0.0000 0.0000 -0.7223 0.0000
 0.0000 0.0000 0.0000 0.3756 0.0000 0.0000 0.0000 0.0000
 0.0146 -0.0914 -0.0951 -0.2747 -0.0020 -0.3627 -0.2732 -0.0432 -
 0.1793 -0.2251 0.0122 -0.3759 -0.1907 0.0000 -0.1186 -0.2556 -0.1679
 -0.1452 -0.3054 -0.4648 -0.1486 -0.6725 -0.0633 0.0000 -0.1875 0.0000
 0.0000 0.0000 0.0000 0.2158 -0.5752 0.0000 0.0000 0.0000
 0.3974 0.6596 0.2429 0.2190 0.2449 0.4925 0.6911 0.3161
 0.0772 0.5172 0.9812 0.1555 -0.0264 0.0000 0.3633 0.0523 -0.1357
 -0.0627 0.8510 0.0350 0.0458 1.0457 0.2095 0.1955 -0.0250 0.0000
 1.0565 0.0000 0.0000 0.0775 1.0262 0.7539 0.0000 -0.3737
 0.8003 0.7882 0.6793 0.6041 0.6679 0.7438 0.9519 0.7564
 0.2906 0.7484 0.6207 0.5054 0.1348 -0.2102 0.7112 0.0003 -0.2086
 0.1163 0.7688 -0.1736 0.0207 1.0478 0.6006 0.1408 0.0803 0.0000
 0.6351 0.0000 0.0000 0.1132 -0.1223 0.2681 0.0000 -0.2622
 -0.0116 0.1669 -0.0931 -0.2719 -0.2791 0.1382 0.0994 -0.2441 -
 0.1169 -0.2724 0.3915 0.0576 -0.3060 0.0000 -0.1700 -0.1049 -0.2430
 -0.0637 0.5937 0.2410 0.0305 1.1586 -0.2661 0.4386 -0.2889 0.0000
 -0.1562 0.0000 0.0000 -0.3914 0.7954 -0.5545 0.0000 0.6181
 0.0403 -0.0438 -0.2487 -0.8133 -0.3504 -0.3349 0.0490 -0.2558 -
 0.1476 -0.1197 0.9188 -0.5692 -0.8342 0.0000 -0.4900 -0.6347 -0.5810
 -0.1634 0.3789 -0.4438 -0.5134 0.4691 -0.5109 -0.7457 -0.4354 0.0000
 0.0000 0.0000 0.0000 -0.5019 -0.2522 0.0000 0.0000 0.0000
 0.0388 0.0139 0.2165 0.0830 0.3747 0.2136 0.1980 0.2330 -
 1.3334 -0.2745 -0.9591 -0.6641 -0.8699 0.0000 -0.8124 -0.4727 -0.5171
 0.0296 3.0000 -0.1137 -1.2916 0.6330 0.3494 0.1427 -0.4593 0.0000
 0.0000 0.0000 0.0000 -0.1599 -0.5145 0.0000 0.0000 0.0000
 -0.0510 -0.0638 -0.1888 -0.1934 0.1851 -0.2803 0.1065 -0.1357 -
 0.0898 -0.1413 -0.1157 -0.3206 -0.3769 0.0000 -0.3437 -1.1912 -0.7765
 -0.6551 0.4112 -0.9919 -0.7439 0.3974 0.1692 -0.2307 -0.4616 0.0000
 0.0000 0.0000 0.0000 -0.7134 0.1706 0.0000 0.0000 0.0000
 -0.3041 -0.5081 -0.2904 -0.5195 -0.3174 -0.5720 -1.3359 -0.2952 -
 0.4103 -0.3399 -0.3056 -0.3090 -0.5705 0.0000 -0.5774 -0.9931 -0.4737
 -0.5871 -0.5911 -0.7623 -0.5504 -0.9957 0.1501 -0.6382 -0.4368 0.0000
 0.0000 0.0000 0.0000 -0.6345 -0.1800 0.0000 0.0000 0.0000
 0.6987 0.5385 0.5560 0.2855 0.6816 0.3414 -0.0780 0.3897
 0.2246 0.5707 0.7473 0.3785 0.2464 0.0000 0.2842 0.2655 0.0944
 0.3045 0.5329 0.0108 0.1631 -0.1056 0.6332 0.0956 0.0648 0.0000
 3.0000 0.0000 0.0000 0.2761 0.1417 0.7285 0.0000 0.0000
 -0.6360 -1.2565 -1.2147 -0.9422 0.0000 0.0000 -1.3057 -0.3989 -
 0.2908 -0.1805 0.0000 0.0000 -0.4505 0.0000 0.0000 -0.6117 -0.4582

-0.4258 0.0000 -1.5064 -0.4559 -2.2276 0.0000 0.0000 -0.7882 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.2625 -0.9162 0.0696 -0.5128 -0.3379 -0.4478 -0.5990 -0.9841 -
 0.8476 -0.1269 -0.5173 -0.4232 -0.5108 0.0000 -0.6628 -0.3015 -0.5212
 -0.2057 1.3254 0.0008 -0.7690 -0.0562 0.3496 -0.2407 -0.6369 0.0000
 0.0000 0.0000 0.0000 0.5546 -0.2931 0.0000 0.0000 0.0000 0.0000
 0.1481 0.0851 0.3643 0.2095 0.6320 0.1009 0.4767 0.0651
 0.1800 0.1148 0.7646 0.5105 0.2513 0.0000 0.4961 0.5054 -0.0250
 0.1242 1.1545 0.6789 0.2366 1.1922 0.3644 0.5271 0.1251 0.0000
 0.1672 0.0000 0.0000 0.5910 0.8873 0.4918 0.0000 0.0000
 -0.3316 -0.4639 -0.2999 -0.4750 -0.1797 -0.5728 -1.0594 -0.3312 -
 0.2952 -0.4331 0.3393 -0.4765 -0.1517 0.0000 -0.4120 -0.4647 -0.4358
 -0.1959 -0.7014 -0.3710 -0.1306 -1.0200 -0.9256 -0.4583 -0.2138 0.0000
 0.0000 0.0000 0.0000 -0.1097 -0.0260 0.0000 0.0000 0.0000 0.0000
 -0.4021 -0.6038 -0.2976 -0.4962 -0.0736 -0.6036 -0.9676 -0.5096 -
 0.4500 -0.2636 -0.3273 -0.4681 -0.2404 0.0000 -0.5200 -0.2669 -0.3390
 -0.4014 -0.3588 -0.4140 -0.3543 -0.7938 -0.3746 -0.5578 -0.5610 0.0000
 0.0000 0.0000 0.0000 -0.1031 -0.3618 -0.5953 0.0000 0.0000
 0.2306 0.3614 0.0177 0.0376 0.0426 -0.0151 0.1565 0.9576 -
 0.3018 0.5047 0.0000 0.0744 0.3042 0.0000 3.0000 0.7290 0.1944
 0.0781 0.0000 1.5217 0.4877 1.6217 0.0000 0.0000 -0.1102 0.0000
 0.0000 0.0000 0.0000 3.0000 0.0000 0.0000 0.0000 0.0000
 -0.2327 -0.1351 -0.8287 -0.8283 -0.1162 -0.5339 0.1683 0.2659 -
 0.1083 -0.2899 0.0000 -0.2645 -0.9297 0.0000 0.0000 0.1062 -0.6017
 -0.2713 0.0000 -0.0247 -0.1349 0.0708 0.0000 0.0000 -0.4690 0.0000
 0.0000 0.0000 0.0000 3.0000 1.0301 0.0000 0.0000 0.0000
 -0.0993 -0.6134 -0.3862 -1.5236 -0.6476 -1.1006 -0.9504 -0.8694 -
 0.4720 -0.4873 0.0000 -1.0013 -1.1425 0.0000 -0.9317 -0.3894 -0.7623
 -0.4291 0.0000 -0.6659 -0.5360 -0.5832 0.0000 0.0000 -0.4713 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.2104 0.0000 0.0000 0.0000
 -0.0888 -0.2357 -0.0992 -0.2648 -0.0819 -0.0834 -0.2989 -0.1179 -
 0.2168 -0.1030 0.1082 -0.3798 -0.2177 0.0000 -0.2438 -0.2551 -0.1510
 -0.1269 -0.3563 -0.4764 -0.1893 -0.5578 -0.2113 0.0000 -0.1625 0.0000
 0.0000 0.0000 0.0000 -0.2782 -0.8598 0.0000 0.0000 0.0000
 0.0034 0.3383 -0.0517 -0.1223 -0.0431 0.2369 0.2519 -0.0887 -
 0.1896 0.0968 0.6633 0.0679 -0.2412 0.0000 0.1236 -0.0481 -0.2814
 -0.1077 0.3643 -0.0036 -0.0400 0.5736 -0.2395 -0.0171 -0.0824 0.0000
 -0.0120 0.0000 0.0000 -0.1923 0.8507 -0.0822 0.0000 -0.1862
 0.4760 0.5218 0.4166 0.3351 0.5254 0.5027 0.6057 0.4196 -
 0.0662 0.5663 0.6946 0.1247 -0.0970 0.0454 0.2110 -0.1194 -0.2967
 0.1025 0.4092 -0.3035 -0.1017 0.5197 0.3170 0.2020 0.0848 0.0000
 0.5450 0.0000 0.0000 0.1758 0.3226 0.0147 0.0000 -0.6384
 -0.3289 -0.2459 -0.4191 -0.5478 -0.5180 -0.1681 -0.2442 -0.4659 -
 0.2899 -0.5191 0.3509 -0.2063 -0.4420 0.0000 -0.2163 -0.1654 -0.3476
 -0.2418 0.4386 0.2504 -0.1162 0.9165 -0.6427 -0.0100 -0.2184 0.0000
 -0.2083 0.0000 0.0000 -0.3996 0.2965 -0.3130 0.0000 -0.1198
 -0.2117 -0.3307 -0.4855 -0.9224 -0.8155 -0.4884 -0.2277 -0.3914 -
 0.3443 -0.4308 0.1223 -0.4401 -1.0251 0.0000 -0.6010 -0.6854 -0.6259
 -0.3790 -0.1600 -0.4151 -0.5344 0.2986 -0.5646 -0.5845 -0.2889 0.0000
 0.0000 0.0000 0.0000 -0.2647 -0.0495 0.0000 0.0000 0.0000
 -0.0206 -0.4088 0.0483 -0.1491 0.2671 -0.0036 -0.0783 -0.3252 -
 1.2908 -0.2964 -0.7365 -0.7415 -0.6852 0.0000 -0.5785 -0.1921 -0.4308
 -0.0673 3.0000 -0.1860 -0.9355 0.0729 0.6752 -0.2438 -0.3663 0.0000
 0.0000 0.0000 0.0000 0.6597 -0.3195 0.0000 0.0000 0.0000
 -0.4413 -0.2830 -0.4484 -0.6366 -0.2042 -0.3421 -0.2568 -0.2936 -
 0.1955 -0.6867 -0.2639 -0.8065 -0.6381 0.0000 -0.5570 -1.2947 -0.8094

-0.7290 -0.1529 -1.0405 -0.8320 -0.1186 0.0860 -0.3912 -0.4000 0.0000
 0.0000 0.0000 0.0000 0.0533 0.1109 0.0000 0.0000 0.0000 0.0000
 -0.5318 -0.7802 -0.4536 -0.6075 -0.4257 -0.7221 -1.3257 -0.4345 -
 0.2984 -0.4851 -0.2768 -0.6731 -0.5638 0.0000 -0.4973 -0.8701 -0.5337
 -0.4968 -1.0544 -0.7596 -0.6079 -1.4129 -0.2286 -0.3522 -0.5893 0.0000
 0.0000 0.0000 0.0000 -0.4294 -0.2804 0.0000 0.0000 0.0000 0.0000
 0.4760 0.2522 0.3207 0.0666 0.5274 0.1298 -0.1030 0.0324
 0.0284 0.5058 0.7237 0.1824 0.1573 0.0000 0.1685 0.2771 0.1652
 0.2718 -0.2231 0.0149 0.1051 -0.5646 0.2789 0.0746 -0.0485 0.0000
 0.2900 0.0000 0.0000 -0.1312 -0.0083 -0.2773 0.0000 0.0000 0.0000
 -0.7684 -0.9315 -0.9542 -0.3677 0.0000 0.0000 -0.7951 -0.8087 -
 0.7716 -0.0578 0.0000 0.0000 -0.4572 0.0000 0.0000 -0.7406 -0.8123
 0.2558 0.0000 -1.4424 -0.7904 -1.6968 0.0000 0.0000 -1.0631 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.2233 -0.7923 0.0040 -0.4557 -0.2285 -0.5168 -0.5335 -1.1509 -
 0.7144 -0.2708 -0.3945 -0.3711 -0.4879 0.0000 -0.5937 -0.1003 -0.4861
 -0.4197 0.3524 -0.0136 -0.6125 -0.2420 0.1348 -0.1301 -0.4841 0.0000
 0.0000 0.0000 0.0000 -0.1041 0.0849 0.0000 0.0000 0.0000 0.0000
 0.1812 0.1143 0.3047 0.1803 0.5493 0.1020 0.4670 -0.2002
 0.3346 0.2230 0.3350 0.3552 0.0604 0.0000 0.4191 0.3934 -0.0482
 0.0383 0.4026 0.5279 0.2488 0.9556 0.3762 0.2262 0.0874 0.0000
 0.8950 0.0000 0.0000 0.4961 1.1049 -0.0731 0.0000 0.0000 0.0000
 -0.3331 -0.4955 -0.3531 -0.5449 -0.1993 -0.5841 -0.8920 -0.4721 -
 0.1823 -0.4936 0.0213 -0.4120 -0.1334 0.0000 -0.2144 -0.3736 -0.4072
 -0.2770 -0.7817 -0.3625 -0.1167 -1.1136 -0.1357 -0.4872 -0.2725 0.0000
 0.0000 0.0000 0.0000 -0.3910 -0.0119 0.0000 0.0000 0.0000 0.0000
 -0.6171 -0.7181 -0.3372 -0.5759 -0.5911 -0.7673 -0.9541 -0.7651 -
 0.4361 -0.2968 -0.3922 -0.4045 -0.2685 0.0000 -0.4848 -0.2963 -0.3421
 -0.4144 -0.7350 -0.4507 -0.3455 -1.1501 -0.1886 -0.3237 -0.4657 0.0000
 0.0000 0.0000 0.0000 -0.1398 -0.3158 -0.5120 0.0000 0.0000 0.0000
 -0.1112 0.0254 -0.0852 -0.4445 -0.4655 0.2368 -0.0835 -0.0095 -
 0.3435 0.0306 0.0000 0.0068 -0.0552 0.0000 3.0000 0.3471 0.2781
 0.1373 0.0000 0.8839 0.0200 0.8918 0.0000 0.0000 0.1248 0.0000
 0.0000 0.0000 0.0000 0.0000 0.8227 0.0000 0.0000 0.0000 0.0000
 -0.5200 -0.2831 -0.7100 -1.0329 -0.2364 -0.5484 -0.0999 -0.3998 -
 0.2446 -0.8154 0.0000 -0.1624 -0.8529 0.0000 0.0000 -0.0959 -0.3841
 -0.2305 0.0000 -0.1439 -0.3971 0.0040 0.0000 0.0000 -0.6128 0.0000
 0.0000 0.0000 0.0000 0.8148 0.5207 0.0000 0.0000 0.0000 0.0000
 -0.3067 -0.7428 -0.5517 -1.9658 -1.2612 -1.4716 -1.1948 -0.9569 -
 0.6726 -0.6476 0.0000 -0.5861 -0.7465 0.0000 -0.9912 -0.4593 -0.6666
 -0.2855 0.0000 -0.5649 -0.4022 -1.1721 0.0000 0.0000 -0.8135 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.0716 0.0000 0.0000 0.0000 0.0000
 -0.1431 -0.2488 -0.1507 -0.2334 -0.0551 -0.0718 -0.1753 -0.1334 -
 0.0238 -0.2265 0.4384 -0.3344 -0.2139 0.0000 -0.4862 -0.2530 -0.1826
 -0.0240 0.1066 -0.3689 -0.1887 -0.4113 0.0807 0.0000 -0.1532 0.0000
 0.0000 0.0000 0.0000 -0.0281 -0.4149 0.0000 0.0000 0.0000 0.0000
 -0.2006 0.1539 -0.1962 -0.2143 -0.2447 0.0678 0.0195 -0.2399 -
 0.2949 -0.1078 0.4943 -0.0660 -0.2847 0.0000 0.0876 -0.0460 -0.2377
 -0.1453 0.2459 0.0534 -0.0143 0.2052 -0.2326 -0.0453 -0.0782 0.0000
 -0.1467 0.0000 0.0000 -0.0840 0.6227 -0.3104 0.0000 -0.2176
 0.3075 0.2910 0.2672 0.1684 0.4292 0.3581 0.2659 0.1970 -
 0.2161 0.3492 0.5707 -0.0064 -0.1128 0.3663 0.1738 0.0137 -0.2391
 0.1746 0.4810 -0.2321 -0.0953 0.1064 0.1038 0.2042 -0.0210 0.0000
 0.0239 0.0000 0.0000 0.1061 0.1168 -0.2325 0.0000 -0.7861
 -0.4868 -0.3753 -0.4469 -0.5679 -0.6399 -0.2545 -0.3541 -0.5323 -
 0.3173 -0.5505 0.0905 -0.2998 -0.4399 0.0000 -0.3602 -0.1840 -0.3707

-0.3380 0.0959 0.3018 -0.1537 0.6164 -0.6497 -0.4538 -0.2659 0.0000
 -0.4098 0.0000 0.0000 -0.4294 0.2060 -0.6649 0.0000 -0.0437
 -0.3628 -0.4475 -0.4888 -0.8275 -0.9421 -0.4905 -0.4827 -0.4099 -
 0.4213 -0.5073 -0.2001 -0.5013 -1.0101 0.0000 -0.7656 -0.4859 -0.4873
 -0.4169 -0.3604 -0.2863 -0.4391 -0.0544 -0.4822 -0.6252 -0.2603 0.0000
 0.0000 0.0000 0.0000 -0.3449 -0.1086 0.0000 0.0000 0.0000 0.0000
 -0.1148 -0.6210 -0.0124 -0.2150 0.3308 -0.2306 -0.4579 -0.7355 -
 0.9175 -0.0039 -0.3727 -0.4946 -0.4884 0.0000 -0.6664 -0.1174 -0.3511
 -0.0522 0.1252 -0.1349 -0.5577 -0.0371 0.0184 -0.5215 -0.3546 0.0000
 0.0000 0.0000 0.0000 0.1957 0.1092 0.0000 0.0000 0.0000 0.0000
 -0.3020 -0.3683 -0.2513 -0.6244 -0.2746 -0.4726 -0.9395 -0.3279 -
 0.2592 -0.5162 -0.2684 -0.5015 -0.6866 0.0000 -0.5087 -1.0062 -0.7151
 -0.6448 -0.2425 -0.8940 -0.6995 -0.4437 0.0368 -0.5873 -0.4012 0.0000
 0.0000 0.0000 0.0000 -0.1474 -0.0285 0.0000 0.0000 0.0000 0.0000
 -0.4303 -0.7675 -0.4255 -0.6196 -0.3757 -0.7877 -1.0391 -0.4209 -
 0.2230 -0.4624 -0.1903 -0.4421 -0.4647 0.0000 -0.6991 -0.6609 -0.4391
 -0.4168 -1.0514 -0.6943 -0.4970 -1.3727 -0.3292 -0.5266 -0.4916 0.0000
 0.0000 0.0000 0.0000 -0.5563 -0.3636 0.0000 0.0000 0.0000 0.0000
 0.3417 0.0897 0.3315 0.0212 0.4393 0.0210 -0.1075 -0.0633 -
 0.0603 0.4038 0.7143 0.1901 0.1653 0.0000 0.1999 0.2135 0.2720
 0.2613 -0.4071 -0.0226 0.1057 -0.5862 0.1994 0.3601 0.0297 0.0000
 1.0140 0.0000 0.0000 -0.0803 -0.2900 -0.0966 0.0000 0.0000 0.0000
 -0.7317 -0.6079 -1.0161 -0.9183 0.0000 0.0000 -0.6789 -0.5808 -
 0.9467 -0.8524 0.0000 0.0000 -0.6010 0.0000 0.0000 -0.8356 -0.7326
 -0.0559 0.0000 -1.3652 -0.7294 -1.1601 0.0000 0.0000 -0.7032 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.2327 -0.6497 -0.0101 -0.2960 -0.1800 -0.4193 -0.3925 -0.8533 -
 0.5296 -0.4713 -0.5687 -0.0815 -0.3891 0.0000 -0.5756 -0.1266 -0.2875
 -0.5157 -0.2475 -0.0429 -0.4458 -0.1955 -0.1296 -0.1997 -0.3858 0.0000
 0.0000 0.0000 0.0000 -0.1421 -0.0271 0.0000 0.0000 0.0000 0.0000
 0.2363 0.1514 0.2286 0.2680 0.5107 0.0698 0.4837 -0.3020
 0.3453 0.0844 0.3452 0.3407 0.0279 0.0000 0.2890 0.3475 0.0409
 0.0279 0.3692 0.4265 0.1928 1.0042 0.1920 0.3989 0.1298 0.0000
 0.3226 0.0000 0.0000 0.3741 1.1062 0.0576 0.0000 0.0000 0.0000
 -0.3320 -0.4520 -0.3419 -0.3652 -0.2881 -0.4943 -0.4777 -0.4662 -
 0.0552 -0.4240 -0.3369 -0.5726 -0.2370 0.0000 -0.2775 -0.2036 -0.3624
 -0.2302 -0.7621 -0.4553 -0.1689 -0.9331 0.1522 -0.0770 -0.1150 0.0000
 0.0000 0.0000 0.0000 -0.0371 -0.2026 0.0000 0.0000 0.0000 0.0000
 -0.5138 -0.6802 -0.3601 -0.4867 -0.3783 -0.6989 -0.7286 -0.7098 -
 0.4006 -0.3242 -0.4115 -0.3409 -0.2941 0.0000 -0.4899 -0.3023 -0.2910
 -0.3927 -0.7542 -0.4499 -0.3304 -1.1043 -0.3954 -0.4224 -0.3050 0.0000
 0.0000 0.0000 0.0000 -0.1507 -0.0169 -0.0237 0.0000 0.0000 0.0000
 -0.4153 -0.2189 -0.3088 -0.4225 -0.6463 -0.0498 -0.3267 -0.4132 -
 0.2207 -0.0763 0.0000 -0.2675 -0.3625 0.0000 -0.0728 0.3978 -0.0901
 -0.0322 0.0000 0.6696 -0.0515 1.7935 0.0000 0.0000 -0.0592 0.0000
 0.0000 0.0000 0.0000 0.0000 3.0000 0.0000 0.0000 0.0000 0.0000
 -0.4742 -0.2846 -0.6259 -1.2486 -0.7177 -0.9504 -0.0483 -0.4325 -
 0.5323 -0.9067 0.0000 0.3432 -0.4237 0.0000 0.0000 -0.1870 -0.2808
 -0.5119 0.0000 -0.1405 -0.2388 0.3743 0.0000 0.0000 -0.6549 0.0000
 0.0000 0.0000 0.0000 0.8914 1.2962 0.0000 0.0000 0.0000 0.0000
 -0.4496 -0.6851 -0.5400 -1.7641 -1.7304 -1.2570 -0.8351 -0.7757 -
 0.5450 -0.5334 0.0000 -0.6880 -0.8644 0.0000 -0.9007 -0.4857 -0.5788
 -0.2419 0.0000 -0.6056 -0.3940 -1.1037 0.0000 0.0000 -0.5612 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.4321 0.0000 0.0000 0.0000 0.0000
 -0.1551 -0.2764 -0.1837 -0.2699 -0.0883 -0.1169 -0.1774 -0.1228 -
 0.0010 -0.2958 -0.2143 -0.4007 -0.1746 0.0000 -0.3319 -0.3122 -0.1362

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0236 | -0.0906 | -0.3403 | -0.1353 | -0.3970 | -0.2930 | 0.0000 | -0.1319 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1212 | -0.3108 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2936 | 0.0499 | -0.2012 | -0.2420 | -0.1880 | 0.0000 | -0.0433 | -0.2899 | - |
| 0.3013 | -0.2305 | 0.3647 | -0.0611 | -0.2506 | 0.0000 | 0.0167 | -0.0109 | -0.1972 |
| -0.1368 | 0.0094 | 0.1217 | 0.0254 | 0.0063 | -0.2234 | -0.1125 | -0.1101 | 0.0000 |
| -0.0743 | 0.0000 | 0.0000 | -0.1797 | 0.0992 | -0.4739 | 0.0000 | 0.0944 | |
| 0.2581 | 0.1841 | 0.2164 | 0.0958 | 0.3043 | 0.2266 | 0.1000 | 0.1378 | - |
| 0.1776 | 0.2055 | 0.4804 | 0.0021 | -0.0125 | -0.0963 | 0.1065 | 0.1255 | -0.0798 |
| 0.1459 | 0.3323 | -0.0352 | 0.0254 | -0.1289 | 0.2927 | 0.3071 | -0.0331 | 0.0000 |
| 0.6932 | 0.0000 | 0.0000 | 0.0849 | 0.0596 | -0.0433 | 0.0000 | 0.2059 | |
| -0.5170 | -0.4067 | -0.4168 | -0.4942 | -0.6161 | -0.2980 | -0.3147 | -0.4877 | - |
| 0.2536 | -0.5159 | -0.2442 | -0.3991 | -0.4432 | 0.0000 | -0.3575 | -0.1604 | -0.3283 |
| -0.3784 | -0.1939 | 0.3127 | -0.1951 | 0.4274 | -0.5652 | -0.0264 | -0.2199 | 0.0000 |
| -0.5253 | 0.0000 | 0.0000 | -0.3447 | 0.1819 | -0.5892 | 0.0000 | -0.4494 | |
| -0.3877 | -0.4715 | -0.4739 | -0.7559 | -0.9166 | -0.4870 | -0.5551 | -0.4491 | - |
| 0.3565 | -0.4199 | -0.2875 | -0.4448 | -0.9666 | 0.0000 | -0.8137 | -0.3854 | -0.3514 |
| -0.3879 | -0.1982 | -0.2117 | -0.3472 | -0.2813 | -0.7272 | -0.7028 | -0.4301 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2517 | -1.0078 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0756 | -0.7146 | -0.1491 | -0.2727 | -0.4919 | -0.3165 | -0.5392 | -0.9295 | - |
| 0.4541 | 0.0170 | 0.4200 | -0.0309 | -0.3866 | 0.0000 | -0.4676 | -0.1890 | -0.2230 |
| 0.1021 | 0.2017 | -0.1806 | -0.2856 | -0.3327 | 0.4272 | -0.3182 | -0.4524 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1963 | 0.0571 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1730 | -0.3737 | -0.2633 | -0.5850 | -0.2272 | -0.3134 | -1.1799 | -0.3770 | - |
| 0.4248 | -0.5641 | 0.3139 | -0.2631 | -0.6885 | 0.0000 | -0.4807 | -0.7079 | -0.6207 |
| -0.4987 | -0.8141 | -0.7075 | -0.6289 | -1.0139 | 0.1154 | -0.3355 | -0.2858 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2622 | -0.3952 | 0.0000 | 0.0000 | 0.0000 | |
| -0.3524 | -0.6776 | -0.3485 | -0.6181 | -0.2413 | -0.7122 | -0.7981 | -0.3266 | - |
| 0.3460 | -0.5271 | -0.1079 | -0.4276 | -0.3006 | 0.0000 | -0.7373 | -0.5652 | -0.2843 |
| -0.2819 | -0.9627 | -0.6896 | -0.4151 | -1.1326 | -0.5278 | -0.3906 | -0.4352 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0228 | -0.8604 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2744 | 0.0827 | 0.3095 | 0.0986 | 0.3783 | 0.0508 | 0.0709 | 0.0071 | - |
| 0.0487 | 0.4190 | 0.5382 | 0.0907 | 0.0734 | 0.0000 | 0.0869 | 0.2120 | 0.2039 |
| 0.1891 | -0.2719 | -0.0351 | 0.0741 | -0.5663 | 0.4097 | 0.2550 | -0.0152 | 0.0000 |
| 0.2685 | 0.0000 | 0.0000 | 0.1954 | -0.6384 | -0.2601 | 0.0000 | 0.0000 | |
| -0.9478 | -0.8752 | -1.0649 | -1.0911 | 0.0000 | 0.0000 | -0.8162 | -0.7203 | - |
| 0.7015 | -0.9560 | 0.0000 | 0.0000 | -0.6801 | 0.0000 | 0.0000 | -1.1732 | -1.2028 |
| 0.0362 | 0.0000 | -1.5877 | -0.7252 | -0.7561 | 0.0000 | 0.0000 | -0.4927 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1075 | -0.5152 | -0.0520 | -0.2041 | -0.2374 | -0.4380 | -0.4002 | -0.4546 | - |
| 0.3022 | -0.6045 | -0.7662 | -0.1403 | -0.3139 | 0.0000 | -0.6535 | -0.1069 | -0.2187 |
| -0.3590 | 0.7483 | -0.1309 | -0.3460 | -0.1978 | 0.2958 | -0.0744 | -0.2628 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0689 | -0.4259 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2694 | 0.1676 | 0.1599 | 0.3547 | 0.4751 | 0.0188 | 0.3596 | -0.0129 | |
| 0.4230 | 0.1313 | 0.2066 | 0.2738 | 0.1176 | 0.0000 | 0.3283 | 0.2908 | 0.1112 |
| 0.0597 | 0.2797 | 0.3445 | 0.2215 | 0.8086 | -0.0621 | 0.3829 | 0.1212 | 0.0000 |
| -0.0139 | 0.0000 | 0.0000 | 0.4122 | 0.7926 | 0.0819 | 0.0000 | 0.0000 | |
| -0.2910 | -0.3706 | -0.3323 | -0.2494 | -0.2901 | -0.3639 | -0.2340 | -0.3748 | - |
| 0.1470 | -0.3369 | -0.2187 | -0.2115 | -0.2675 | 0.0000 | -0.3231 | -0.1960 | -0.2616 |
| -0.2560 | -0.0080 | -0.4195 | -0.1876 | -0.6143 | 0.0991 | -0.5529 | -0.1844 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.5277 | -0.4602 | 0.0000 | 0.0000 | 0.0000 | |
| -0.4404 | -0.5750 | -0.2715 | -0.3448 | -0.3370 | -0.4873 | -0.4233 | -0.4794 | - |
| 0.4361 | -0.4785 | -0.5886 | -0.3484 | -0.2946 | 0.0000 | -0.3224 | -0.2929 | -0.2571 |
| -0.2974 | -0.6565 | -0.4786 | -0.3403 | -0.7958 | -0.3525 | -0.2668 | -0.2497 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0017 | -0.1991 | -0.2494 | 0.0000 | 0.0000 | |
| -0.5166 | -0.2598 | -0.3153 | -0.3809 | -0.2670 | -0.2698 | -0.3683 | -0.2985 | - |
| 0.0467 | -0.4479 | 0.0000 | -0.2497 | -0.3530 | 0.0000 | 0.3146 | -0.1468 | -0.4039 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0087 | 0.0000 | 0.1808 | -0.2372 | 0.8163 | 0.0000 | 0.0000 | -0.2372 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1349 | -0.0885 | -0.5152 | -1.2341 | -0.9631 | -0.5873 | -0.3516 | -0.3374 | - |
| 0.6427 | -0.5943 | 0.0000 | -0.0436 | -0.5233 | 0.0000 | 0.0000 | -0.0104 | -0.3530 |
| -0.1727 | 0.0000 | -0.1056 | -0.3459 | -0.0864 | 0.0000 | 0.0000 | -0.5619 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.3164 | -0.0009 | 0.0000 | 0.0000 | 0.0000 | |
| -0.5345 | -0.6829 | -0.5601 | -1.3558 | -1.8590 | -1.0550 | -0.5912 | -0.6941 | - |
| 0.7521 | -0.7194 | 0.0000 | -0.7224 | -0.8955 | 0.0000 | -1.1339 | -0.5778 | -0.5649 |
| -0.3446 | 0.0000 | -0.5394 | -0.5712 | -0.7403 | 0.0000 | 0.0000 | -0.5789 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -1.1767 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1738 | -0.3042 | -0.1671 | -0.2373 | -0.0814 | -0.1735 | -0.2844 | -0.1409 | - |
| 0.0195 | -0.3040 | -0.2106 | -0.3618 | -0.2421 | 0.0000 | -0.4322 | -0.2190 | -0.0673 |
| -0.1638 | 0.0647 | -0.4165 | -0.1662 | -0.3170 | -0.2856 | 0.0000 | -0.1371 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1175 | -0.0383 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2466 | 0.0059 | -0.1632 | -0.2170 | -0.1905 | -0.0812 | -0.0688 | -0.2788 | - |
| 0.2548 | -0.1813 | 0.2465 | -0.0924 | -0.2420 | 0.0000 | -0.0252 | 0.0370 | -0.1531 |
| -0.0633 | -0.1681 | 0.1562 | 0.0261 | -0.0836 | -0.2426 | -0.1443 | -0.1403 | 0.0000 |
| -0.0612 | 0.0000 | 0.0000 | -0.1465 | 0.0012 | -0.4710 | 0.0000 | -0.1662 | |
| 0.1885 | 0.0915 | 0.1824 | 0.0564 | 0.2432 | 0.1040 | -0.0114 | -0.0076 | - |
| 0.1160 | 0.0936 | 0.5503 | 0.1806 | 0.1103 | 0.9278 | 0.1408 | 0.1909 | 0.0395 |
| 0.1036 | 0.1225 | 0.0421 | 0.0791 | -0.3009 | 0.2173 | 0.1852 | -0.0583 | 0.0000 |
| 0.3535 | 0.0000 | 0.0000 | 0.0995 | 0.0665 | -0.1406 | 0.0000 | 3.0000 | |
| -0.4673 | -0.3975 | -0.4050 | -0.4657 | -0.4704 | -0.3341 | -0.2639 | -0.4518 | - |
| 0.2138 | -0.4728 | -0.4387 | -0.3267 | -0.4385 | 0.0000 | -0.3352 | -0.1746 | -0.3579 |
| -0.4101 | -0.5033 | 0.2468 | -0.2177 | 0.2882 | -0.4133 | 0.0422 | -0.1965 | 0.0000 |
| -0.5073 | 0.0000 | 0.0000 | -0.3461 | 0.5109 | -0.2438 | 0.0000 | -0.8797 | |
| -0.3846 | -0.5366 | -0.5533 | -0.6964 | -0.7638 | -0.5545 | -0.6655 | -0.4724 | - |
| 0.4774 | -0.4298 | -0.5102 | -0.5116 | -0.9328 | 0.0000 | -0.8132 | -0.3338 | -0.3085 |
| -0.4494 | -0.4227 | -0.2176 | -0.4321 | -0.5443 | -0.6043 | -0.5886 | -0.3982 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.4912 | -1.4161 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2371 | -0.6661 | 0.0047 | -0.3062 | 0.0031 | -0.2603 | -0.4341 | -0.7312 | - |
| 0.2066 | -0.3965 | -0.4101 | -0.1135 | -0.3729 | 0.0000 | -0.6248 | -0.1657 | -0.2715 |
| -0.1890 | 0.4066 | -0.0257 | -0.1910 | -0.1278 | -0.0382 | -0.0286 | -0.4208 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0079 | 0.0972 | 0.0000 | 0.0000 | 0.0000 | |
| -0.3009 | -0.5443 | -0.1919 | -0.4902 | -0.4607 | -0.4671 | -0.9798 | -0.2759 | - |
| 0.4806 | -0.6762 | -0.3740 | -0.1887 | -0.5555 | 0.0000 | -0.5866 | -0.5666 | -0.4322 |
| -0.4111 | -0.9288 | -0.6096 | -0.5546 | -1.2387 | -0.0867 | -0.5598 | -0.4546 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.5737 | -0.2102 | 0.0000 | 0.0000 | 0.0000 | |
| -0.3051 | -0.5207 | -0.2309 | -0.4981 | -0.1690 | -0.5680 | -0.6989 | -0.3411 | - |
| 0.3120 | -0.6875 | -0.1840 | -0.4981 | -0.3145 | 0.0000 | -0.3232 | -0.5026 | -0.2432 |
| -0.1676 | -0.5278 | -0.6169 | -0.3842 | -0.8255 | -0.2829 | -0.1960 | -0.3102 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0951 | -0.4721 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2940 | 0.0903 | 0.2776 | 0.1463 | 0.3412 | 0.2085 | 0.2404 | 0.0791 | - |
| 0.1134 | 0.2065 | 0.5453 | 0.0630 | -0.0801 | 0.0000 | 0.0159 | 0.1813 | 0.0963 |
| 0.0260 | -0.0455 | -0.1154 | 0.0618 | -0.4041 | 0.2589 | 0.3098 | -0.0492 | 0.0000 |
| 0.5075 | 0.0000 | 0.0000 | 0.1155 | -0.5526 | -0.0498 | 0.0000 | 0.0000 | |
| -1.0042 | -1.0578 | -1.0762 | -0.8443 | 0.0000 | 0.0000 | -1.0543 | -0.5198 | - |
| 0.3900 | -0.5541 | 0.0000 | 0.0000 | -0.8953 | 0.0000 | 0.0000 | -1.1131 | -0.5838 |
| -0.3761 | 0.0000 | -1.8637 | -0.9214 | -0.7214 | 0.0000 | 0.0000 | -0.7750 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0310 | -0.4659 | -0.1048 | -0.2511 | -0.0156 | -0.3292 | -0.3404 | -0.2864 | - |
| 0.1985 | -0.6488 | -0.3861 | -0.1292 | -0.3498 | 0.0000 | -0.4224 | -0.1969 | -0.2206 |
| -0.3306 | -0.3266 | -0.1760 | -0.3360 | -0.2371 | -0.2772 | -0.2725 | -0.3110 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0750 | -0.0771 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3104 | 0.2044 | 0.1865 | 0.3023 | 0.4344 | 0.1430 | 0.2861 | 0.2365 | |
| 0.3354 | 0.1538 | 0.2380 | 0.2762 | 0.1887 | 0.0000 | 0.2090 | 0.2530 | 0.1139 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0596 | 0.5492 | 0.2018 | 0.1403 | 0.6206 | 0.2035 | 0.4027 | 0.0909 | 0.0000 |
| 1.1125 | 0.0000 | 0.0000 | 0.3597 | 0.8600 | 0.1544 | 0.0000 | 0.0000 | |
| -0.3153 | -0.3127 | -0.2975 | -0.2211 | -0.3239 | -0.4166 | -0.1169 | -0.4330 | - |
| 0.1344 | -0.4444 | -0.4265 | -0.2055 | -0.2473 | 0.0000 | -0.1566 | -0.1761 | -0.2349 |
| -0.2831 | 0.3517 | -0.4659 | -0.2896 | -0.3037 | -0.0242 | -0.2913 | -0.1426 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2377 | -0.0663 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.3876 | -0.5114 | -0.2697 | -0.2501 | -0.2157 | -0.5318 | -0.2972 | -0.5281 | - |
| 0.4867 | -0.5205 | -0.4808 | -0.4782 | -0.2947 | 0.0000 | -0.3367 | -0.3237 | -0.2998 |
| -0.3503 | -0.5658 | -0.5227 | -0.4022 | -0.5318 | -0.1370 | -0.0752 | -0.3249 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0683 | -0.1507 | -0.3318 | 0.0000 | 0.0000 | |
| -0.5465 | -0.0278 | -0.3786 | -0.3732 | -0.4120 | -0.3743 | -0.1632 | -0.0508 | - |
| 0.2865 | -0.5529 | 0.0000 | -0.0481 | -0.3524 | 0.0000 | -0.0123 | -0.1984 | -0.3246 |
| -0.4344 | 0.0000 | 0.2381 | -0.3319 | 0.8018 | 0.0000 | 0.0000 | -0.0036 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 3.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0576 | -0.2364 | -0.2981 | -0.6367 | -1.3960 | -0.4897 | -0.1278 | -0.0663 | - |
| 0.3736 | -0.3241 | 0.0000 | -0.4565 | -0.3803 | 0.0000 | 0.0000 | -0.0709 | -0.6939 |
| -0.3003 | 0.0000 | -0.1019 | -0.1206 | -0.1416 | 0.0000 | 0.0000 | -0.6705 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.4787 | -0.7482 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.4573 | -0.6286 | -0.6182 | -0.9423 | -1.5187 | -0.7996 | -0.4889 | -0.4390 | - |
| 1.0966 | -0.5558 | 0.0000 | -0.5368 | -0.8482 | 0.0000 | -1.1853 | -0.5189 | -0.4619 |
| -0.4711 | 0.0000 | -0.5649 | -0.5596 | -0.5795 | 0.0000 | 0.0000 | -0.3521 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -1.5886 | 0.0000 | 0.0000 | 0.0000 | |
| -0.1965 | -0.2317 | -0.1634 | -0.2155 | -0.0780 | -0.1561 | -0.3088 | -0.1936 | - |
| 0.0303 | -0.1779 | -0.0094 | -0.2496 | -0.1373 | 0.0000 | -0.3742 | -0.1897 | -0.0505 |
| -0.1157 | -0.0423 | -0.3511 | -0.1162 | -0.2647 | -0.1392 | 0.0000 | -0.1452 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1917 | 0.0425 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2244 | -0.0245 | -0.1886 | -0.2416 | -0.1978 | -0.0952 | -0.0864 | -0.2802 | - |
| 0.2408 | -0.1933 | 0.1286 | -0.0238 | -0.2367 | 0.0000 | -0.0964 | 0.0327 | -0.1032 |
| -0.0872 | -0.2056 | 0.1094 | -0.0156 | -0.1192 | -0.2068 | -0.0278 | -0.0804 | 0.0000 |
| -0.3118 | 0.0000 | 0.0000 | -0.2148 | -0.0081 | -0.4321 | 0.0000 | 0.2362 | |
| 0.1263 | 0.0302 | 0.1867 | 0.0202 | 0.2780 | 0.0072 | -0.0198 | -0.1274 | - |
| 0.0590 | 0.0995 | 0.4002 | 0.1678 | 0.0736 | 0.0562 | 0.0659 | 0.1973 | 0.0378 |
| 0.1103 | -0.1418 | 0.0427 | 0.0941 | -0.3514 | 0.2964 | 0.2090 | -0.0208 | 0.0000 |
| 0.2937 | 0.0000 | 0.0000 | 0.2661 | 0.1721 | -0.1211 | 0.0000 | 0.7567 | |
| -0.4428 | -0.3944 | -0.3859 | -0.4112 | -0.3509 | -0.3470 | -0.3138 | -0.4372 | - |
| 0.2351 | -0.5025 | -0.7340 | -0.3558 | -0.3926 | 0.0000 | -0.3402 | -0.1986 | -0.3262 |
| -0.4178 | -0.6797 | 0.1957 | -0.2683 | 0.1675 | -0.3199 | 0.0291 | -0.2055 | 0.0000 |
| -0.6052 | 0.0000 | 0.0000 | -0.3532 | -0.0278 | -0.2387 | 0.0000 | -0.3697 | |
| -0.4104 | -0.4963 | -0.5708 | -0.6576 | -0.6867 | -0.6490 | -0.7195 | -0.5808 | - |
| 0.4487 | -0.4542 | -0.7430 | -0.4768 | -0.8158 | 0.0000 | -0.6452 | -0.3300 | -0.2966 |
| -0.4593 | -0.5865 | -0.2312 | -0.3736 | -0.5681 | -0.5526 | -0.5186 | -0.4117 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.3201 | -0.9003 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2657 | -0.5716 | -0.0237 | -0.4359 | 0.0260 | -0.5190 | -0.4442 | -0.7501 | - |
| 0.1577 | -0.6752 | -0.6316 | 0.0278 | -0.2874 | 0.0000 | -0.5736 | -0.1758 | -0.2964 |
| -0.5642 | -0.2171 | -0.0671 | -0.1540 | -0.0061 | -0.5063 | -0.2223 | -0.3415 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.3173 | -0.1968 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2577 | -0.5808 | -0.1762 | -0.5112 | -0.1615 | -0.6659 | -0.9700 | -0.3515 | - |
| 0.3174 | -0.4948 | -0.4448 | -0.0647 | -0.3411 | 0.0000 | -0.4635 | -0.5383 | -0.2190 |
| -0.2791 | -0.7601 | -0.5488 | -0.4278 | -1.1579 | -0.0837 | -0.3183 | -0.4758 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.3473 | -0.5796 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2765 | -0.4564 | -0.2001 | -0.4017 | -0.2331 | -0.5480 | -0.5450 | -0.3153 | - |
| 0.4334 | -0.6564 | -0.3667 | -0.6009 | -0.4384 | 0.0000 | -0.4677 | -0.4988 | -0.3675 |
| -0.3151 | -0.4783 | -0.5976 | -0.3644 | -0.5997 | 0.0802 | 0.3671 | -0.2917 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2396 | -0.2736 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2408 | 0.0471 | 0.2163 | 0.1047 | 0.3723 | 0.2422 | 0.2433 | 0.1516 | - |
| 0.1508 | 0.0817 | 0.2699 | 0.0041 | -0.1152 | 0.0000 | 0.1040 | 0.0630 | -0.0593 |

-0.0024 0.1796 -0.1279 0.0359 -0.0400 0.0878 0.2620 -0.0222 0.0000
 1.2276 0.0000 0.0000 0.0944 -0.0648 -0.0381 0.0000 0.0000
 -0.8349 -0.8818 -0.7884 -0.5814 0.0000 0.0000 -0.8468 -0.5661 -
 0.1876 -0.2864 0.0000 0.0000 -0.7477 0.0000 0.0000 -0.9864 -0.5395
 -0.1457 0.0000 -1.5980 -0.6947 -1.3353 0.0000 0.0000 -0.3419 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0602 -0.4135 -0.0728 -0.2781 0.0099 -0.3421 -0.3050 -0.2309 -
 0.2337 -0.6879 -0.4844 -0.2314 -0.2978 0.0000 -0.4039 -0.2698 -0.2001
 -0.4235 -0.5215 -0.1687 -0.4240 -0.1434 -0.3889 -0.1724 -0.2931 0.0000
 0.0000 0.0000 0.0000 0.1028 -0.1501 0.0000 0.0000 0.0000 0.0000
 0.3323 0.1987 0.2042 0.3285 0.3227 0.2090 0.3219 0.3182
 0.3595 0.3152 -0.0880 0.2837 0.2303 0.0000 0.1863 0.2529 0.0881
 0.1002 0.3715 0.1426 0.1384 0.3733 0.2353 0.3475 0.1422 0.0000
 0.5362 0.0000 0.0000 0.4736 0.8233 0.2765 0.0000 0.0000
 -0.2836 -0.3260 -0.3538 -0.2136 -0.1859 -0.3159 -0.1703 -0.2977 -
 0.1157 -0.3245 -0.4775 -0.2847 -0.2896 0.0000 -0.2589 -0.2414 -0.1656
 -0.2994 0.2356 -0.4645 -0.2450 -0.3831 0.0484 -0.4610 -0.2312 0.0000
 0.0000 0.0000 0.0000 -0.2370 0.1733 0.0000 0.0000 0.0000 0.0000
 -0.3100 -0.4570 -0.3070 -0.1967 -0.0660 -0.3645 -0.2521 -0.4308 -
 0.3684 -0.4533 -0.5967 -0.3981 -0.1934 0.0000 -0.3145 -0.4085 -0.2636
 -0.4034 -0.4235 -0.4964 -0.3776 -0.3961 -0.1616 0.0142 -0.2848 0.0000
 0.0000 0.0000 0.0000 -0.0268 -0.1208 -0.1062 0.0000 0.0000
 -0.4410 -0.0563 -0.2726 -0.2593 -0.2298 -0.2915 -0.1044 -0.4809 -
 0.1605 -0.1418 0.0000 0.1793 -0.3416 0.0000 0.1767 -0.3772 -0.2052
 -0.2604 0.0000 0.5266 -0.3005 0.2900 0.0000 0.0000 -0.2899 0.0000
 0.0000 0.0000 0.0000 0.0000 0.4743 0.0000 0.0000 0.0000
 0.0075 -0.2417 -0.4902 -0.5837 -1.1813 -0.2789 -0.1758 -0.3495 -
 0.0408 -0.3792 0.0000 -0.1322 -0.1446 0.0000 0.0000 -0.1094 -0.4812
 -0.1785 0.0000 -0.0585 -0.0554 0.3215 0.0000 0.0000 -0.4660 0.0000
 0.0000 0.0000 0.0000 0.2826 -1.5164 0.0000 0.0000 0.0000
 -0.4378 -0.6383 -0.9580 -0.6525 -0.8900 -0.6765 -0.4896 -0.7055 -
 0.8216 -0.3871 0.0000 -0.7584 -0.5874 0.0000 -0.8540 -0.5156 -0.3202
 -0.2856 0.0000 -0.5769 -0.6125 -0.4549 0.0000 0.0000 -0.4913 0.0000
 0.0000 0.0000 0.0000 0.0000 -1.3654 0.0000 0.0000 0.0000
 -0.1686 -0.2304 -0.1515 -0.2086 -0.0414 -0.1488 -0.2977 -0.1778 -
 0.1002 -0.1911 -0.2746 -0.1943 -0.1985 0.0000 -0.2809 -0.1217 -0.0574
 -0.2598 -0.2200 -0.2988 -0.1665 -0.3122 -0.2250 0.0000 -0.1658 0.0000
 0.0000 0.0000 0.0000 -0.1000 -0.4717 0.0000 0.0000 0.0000
 -0.2195 -0.0530 -0.2190 -0.2102 -0.2247 -0.0960 -0.0680 -0.2778 -
 0.2711 -0.2054 0.0451 -0.0696 -0.2138 0.0000 -0.0696 -0.0451 -0.1115
 -0.0961 -0.2837 0.0943 -0.0855 -0.0911 -0.2065 -0.1448 -0.0936 0.0000
 -0.3019 0.0000 0.0000 -0.2151 0.0458 -0.1839 0.0000 0.1739
 0.1174 0.0214 0.1468 0.0016 0.3313 -0.0256 0.0130 -0.1793 -
 0.0604 0.0424 0.3126 0.0294 0.0505 0.0233 0.0892 0.1781 0.0543
 0.0977 -0.2412 0.0082 0.0846 -0.4062 0.2037 0.2354 -0.0359 0.0000
 0.4943 0.0000 0.0000 0.0923 0.1393 -0.0531 0.0000 0.2855
 -0.4157 -0.3910 -0.3734 -0.3373 -0.4589 -0.3420 -0.3000 -0.4387 -
 0.2450 -0.4936 -0.8036 -0.3460 -0.3947 0.0000 -0.2607 -0.2606 -0.3387
 -0.4388 -0.4486 0.1108 -0.3184 0.1136 -0.3264 -0.0754 -0.2097 0.0000
 -0.6679 0.0000 0.0000 -0.3749 0.0818 -0.4402 0.0000 -0.3566
 -0.3467 -0.5197 -0.5123 -0.7029 -0.5443 -0.6087 -0.6752 -0.5185 -
 0.4228 -0.3500 -0.8148 -0.6388 -0.6692 0.0000 -0.5724 -0.3608 -0.3359
 -0.5039 -0.6683 -0.3415 -0.4133 -0.5469 -0.6336 -0.3017 -0.3498 0.0000
 0.0000 0.0000 0.0000 -0.3620 -0.6285 0.0000 0.0000 0.0000
 -0.1316 -0.4296 -0.0072 -0.3945 -0.1519 -0.4994 -0.2618 -0.5925
 0.0287 -0.6707 -0.4183 -0.2460 -0.0199 0.0000 -0.1944 -0.0442 -0.4773

-0.6211 -0.4311 -0.0208 -0.1452 -0.1837 -0.1352 -0.2862 -0.1499 0.0000
 0.0000 0.0000 0.0000 -0.0957 0.0176 0.0000 0.0000 0.0000
 -0.2737 -0.5959 -0.2039 -0.4851 -0.0552 -0.5762 -0.9350 -0.5156 -
 0.2596 -0.4768 -0.1777 -0.1362 -0.2963 0.0000 -0.4787 -0.5094 -0.2286
 -0.0961 -0.5490 -0.5461 -0.3586 -1.0604 -0.2747 -0.3232 -0.3068 0.0000
 0.0000 0.0000 0.0000 -0.1615 -0.5704 0.0000 0.0000 0.0000
 -0.2985 -0.5024 -0.2407 -0.3698 -0.1547 -0.4405 -0.5325 -0.3654 -
 0.3636 -0.6586 -0.3543 -0.3972 -0.4379 0.0000 -0.2261 -0.5803 -0.3890
 -0.3336 0.0218 -0.6343 -0.3608 -0.4240 -0.2317 0.1264 -0.3660 0.0000
 0.0000 0.0000 0.0000 -0.1763 -0.2828 0.0000 0.0000 0.0000
 0.1860 0.0412 0.1418 0.0321 0.2375 0.1381 0.1836 0.0698 -
 0.0962 -0.0291 0.3386 -0.0685 -0.1281 0.0000 0.0395 -0.0459 -0.0716
 0.0447 0.2750 -0.1782 -0.0340 0.1451 0.0596 0.0525 -0.0861 0.0000
 0.4786 0.0000 0.0000 -0.1124 -0.1792 0.1209 0.0000 0.0000
 -0.8118 -0.9715 -1.0843 -0.4008 0.0000 0.0000 -0.9280 -0.2158 -
 0.1891 -0.4107 0.0000 0.0000 -0.2892 0.0000 0.0000 -0.3250 -0.5916
 -0.2829 0.0000 -1.1583 -0.3066 -1.2270 0.0000 0.0000 -0.6534 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.1241 -0.4406 -0.0784 -0.3530 0.0296 -0.3825 -0.2631 -0.2870 -
 0.2057 -0.5607 -0.3991 -0.3488 -0.2913 0.0000 -0.4402 -0.2593 -0.2505
 -0.4085 -0.3342 -0.2136 -0.4421 -0.0676 -0.2897 0.1181 -0.3318 0.0000
 0.0000 0.0000 0.0000 0.1303 -0.0432 0.0000 0.0000 0.0000
 0.3207 0.1996 0.1859 0.2884 0.2946 0.1928 0.3114 0.1384
 0.2008 0.3298 0.1542 0.2619 0.2506 0.0000 0.2239 0.1018 -0.0769
 0.0738 0.1369 0.0467 0.0862 0.2153 0.2856 0.2423 0.1549 0.0000
 1.2533 0.0000 0.0000 0.2685 0.7042 0.0539 0.0000 0.0000
 -0.2765 -0.3208 -0.3702 -0.2274 -0.1309 -0.2058 -0.1272 -0.2529 -
 0.0721 -0.2933 -0.4784 -0.3884 -0.2445 0.0000 -0.3949 -0.3163 -0.1002
 -0.2396 0.0834 -0.4541 -0.2352 -0.2463 -0.0080 -0.3178 -0.2501 0.0000
 0.0000 0.0000 0.0000 -0.3722 0.2631 0.0000 0.0000 0.0000
 -0.2809 -0.4241 -0.3349 -0.1952 -0.1641 -0.3987 -0.2143 -0.3658 -
 0.3081 -0.5270 -0.5659 -0.4755 -0.2056 0.0000 -0.2929 -0.4457 -0.2784
 -0.4479 -0.3023 -0.4756 -0.3850 -0.2764 -0.0845 -0.0881 -0.2457 0.0000
 0.0000 0.0000 0.0000 0.0919 0.0922 -0.0944 0.0000 0.0000
 -0.4075 -0.1006 -0.4159 -0.3055 -0.2946 -0.3441 0.0197 -0.4143 -
 0.0689 -0.6129 0.0000 -0.1747 -0.2173 0.0000 0.1469 -0.1488 -0.1292
 -0.3717 0.0000 0.1760 -0.2985 0.3960 0.0000 0.0000 -0.1924 0.0000
 0.0000 0.0000 0.0000 0.0000 0.1027 0.0000 0.0000 0.0000
 -0.0991 -0.0358 -0.6261 -0.4723 -0.4525 -0.3695 0.0328 -0.5052
 0.1854 -0.2866 0.0000 -0.3177 -0.2518 0.0000 0.0000 0.1895 -0.2347
 -0.1602 0.0000 -0.0326 -0.1292 0.3519 0.0000 0.0000 -0.2620 0.0000
 0.0000 0.0000 0.0000 -1.4976 -2.1935 0.0000 0.0000 0.0000
 -0.4793 -0.5203 -1.4565 -0.5975 -0.6559 -0.6247 -0.4039 -0.8731 -
 0.4510 -0.4283 0.0000 -0.8057 -0.4571 0.0000 -0.5423 -0.6953 -0.3253
 -0.4608 0.0000 -0.6749 -0.5993 -0.4224 0.0000 0.0000 -0.4940 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.7822 0.0000 0.0000 0.0000
 -0.1333 -0.1968 -0.1507 -0.1497 0.0780 -0.1762 -0.2072 -0.2096 -
 0.1016 -0.2073 -0.1523 -0.1504 -0.1316 0.0000 -0.0833 -0.1575 -0.1188
 -0.2808 -0.2274 -0.1684 -0.1714 -0.3005 0.1197 0.0000 -0.1728 0.0000
 0.0000 0.0000 0.0000 -0.2935 -0.3932 0.0000 0.0000 0.0000
 -0.2121 -0.0572 -0.2487 -0.1913 -0.1928 -0.1103 -0.0780 -0.2558 -
 0.3100 -0.1924 0.0050 -0.1356 -0.2393 0.0000 -0.0724 -0.0614 -0.1023
 -0.0423 -0.3437 0.0760 -0.1329 0.0007 -0.1686 -0.1281 -0.0517 0.0000
 -0.3616 0.0000 0.0000 -0.1686 -0.0356 -0.3387 0.0000 -0.1683
 0.1036 0.0132 0.1153 0.0404 0.2720 -0.0038 0.0278 -0.1166 -
 0.0537 0.0081 0.1953 0.0491 0.0586 0.7431 0.0957 0.1526 0.0736

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0645 | -0.1941 | -0.0021 | 0.0720 | -0.3735 | 0.2961 | 0.1158 | -0.0270 | 0.0000 |
| 0.5607 | 0.0000 | 0.0000 | -0.0725 | 0.0108 | -0.0350 | 0.0000 | -0.4036 | |
| -0.3901 | -0.3633 | -0.3655 | -0.3028 | -0.4177 | -0.2997 | -0.3093 | -0.3383 | - |
| 0.2596 | -0.4524 | -0.7111 | -0.3414 | -0.3498 | 0.0000 | -0.3781 | -0.2579 | -0.3047 |
| -0.3993 | -0.2002 | 0.0866 | -0.3470 | 0.1647 | -0.4377 | -0.1124 | -0.2750 | 0.0000 |
| -0.4318 | 0.0000 | 0.0000 | -0.3257 | -0.0844 | -0.4310 | 0.0000 | -0.0232 | |
| -0.3223 | -0.4869 | -0.4805 | -0.7033 | -0.6954 | -0.5638 | -0.4662 | -0.5676 | - |
| 0.5279 | -0.5049 | -0.6343 | -0.5313 | -0.6334 | 0.0000 | -0.5816 | -0.4509 | -0.4007 |
| -0.4099 | -0.3715 | -0.3127 | -0.4167 | -0.3850 | -0.3660 | -0.4705 | -0.2547 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2239 | -0.5092 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0999 | -0.3411 | 0.0590 | -0.2033 | 0.0814 | -0.3337 | -0.1415 | -0.3486 | |
| 0.0126 | -0.4792 | -0.4970 | -0.1764 | 0.0490 | 0.0000 | -0.3591 | -0.0473 | -0.2546 |
| -0.3613 | -0.2044 | -0.0576 | -0.1999 | -0.1099 | -0.2668 | -0.2815 | -0.1472 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0785 | -0.0219 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2224 | -0.5511 | -0.2352 | -0.3870 | -0.1239 | -0.5242 | -0.7475 | -0.4733 | - |
| 0.3080 | -0.3372 | -0.1117 | -0.1451 | -0.3106 | 0.0000 | -0.6906 | -0.4257 | -0.2109 |
| -0.0710 | -0.7038 | -0.4807 | -0.3049 | -0.8799 | -0.3223 | -0.2329 | -0.3297 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1859 | -0.1790 | 0.0000 | 0.0000 | 0.0000 | |
| -0.3736 | -0.5181 | -0.2703 | -0.3358 | -0.3609 | -0.4572 | -0.4739 | -0.4026 | - |
| 0.3430 | -0.5894 | -0.5451 | -0.3747 | -0.3550 | 0.0000 | -0.5303 | -0.7130 | -0.3680 |
| -0.4317 | 0.1353 | -0.7213 | -0.4002 | -0.3356 | -0.2907 | -0.3479 | -0.4344 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.4783 | -0.4150 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1443 | -0.0101 | 0.0975 | -0.0280 | 0.0286 | 0.0832 | 0.0863 | -0.0085 | - |
| 0.1089 | -0.0839 | 0.0976 | -0.1427 | -0.1242 | 0.0000 | -0.0865 | -0.1039 | -0.0300 |
| -0.0394 | 0.2770 | -0.2198 | -0.0526 | 0.0896 | 0.1574 | 0.0069 | -0.0366 | 0.0000 |
| 0.3057 | 0.0000 | 0.0000 | -0.0634 | -0.2275 | 0.2557 | 0.0000 | 0.0000 | |
| -0.6388 | -0.7918 | -0.8982 | -0.4889 | 0.0000 | 0.0000 | -0.6918 | -0.3004 | - |
| 0.2421 | -0.4455 | 0.0000 | 0.0000 | -0.2415 | 0.0000 | 0.0000 | -0.6960 | -0.4046 |
| -0.1648 | 0.0000 | -0.8780 | -0.5358 | -0.8516 | 0.0000 | 0.0000 | -0.6331 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0924 | -0.4131 | -0.1437 | -0.3504 | -0.2534 | -0.3690 | -0.3759 | -0.3218 | - |
| 0.1902 | -0.2710 | -0.5998 | -0.3674 | -0.3956 | 0.0000 | -0.3871 | -0.2493 | -0.2858 |
| -0.3500 | -0.4618 | -0.1882 | -0.3756 | -0.1315 | -0.0873 | 0.0067 | -0.3060 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0666 | -0.1130 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3159 | 0.1946 | 0.1534 | 0.2194 | 0.2640 | 0.2208 | 0.2742 | 0.2254 | |
| 0.1072 | 0.2411 | 0.1204 | 0.1767 | 0.1290 | 0.0000 | 0.2956 | -0.0225 | -0.1770 |
| 0.0484 | 0.2093 | -0.1142 | 0.0367 | 0.0743 | 0.2071 | 0.2780 | 0.1244 | 0.0000 |
| 0.3701 | 0.0000 | 0.0000 | 0.2749 | 0.9426 | 0.1888 | 0.0000 | 0.0000 | |
| -0.2445 | -0.3054 | -0.3248 | -0.2283 | -0.1099 | -0.1869 | -0.2224 | -0.3265 | - |
| 0.2132 | -0.3586 | -0.3242 | -0.2895 | -0.1391 | 0.0000 | -0.4769 | -0.3142 | -0.0785 |
| -0.2938 | -0.1591 | -0.4714 | -0.2239 | -0.3325 | -0.4245 | -0.3792 | -0.2522 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.3776 | -0.0459 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2553 | -0.4073 | -0.3383 | -0.2275 | -0.2439 | -0.2559 | -0.2281 | -0.2133 | - |
| 0.1812 | -0.4990 | -0.4355 | -0.4285 | -0.2284 | 0.0000 | -0.2873 | -0.3937 | -0.2658 |
| -0.4559 | -0.2731 | -0.4643 | -0.3446 | -0.2216 | -0.1700 | -0.1518 | -0.2627 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2033 | 0.1193 | 0.0272 | 0.0000 | 0.0000 | |
| -0.3980 | -0.1195 | -0.4780 | -0.2848 | -0.2577 | -0.3198 | -0.1384 | -0.1594 | |
| 0.0086 | -0.2860 | 0.0000 | -0.4382 | -0.3081 | 0.0000 | -0.1361 | -0.1211 | -0.3439 |
| -0.2833 | 0.0000 | 0.2832 | -0.1040 | 0.7063 | 0.0000 | 0.0000 | 0.0912 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0900 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0774 | -0.2110 | -0.7120 | -0.1392 | 0.0037 | -0.3810 | -0.1267 | -0.4952 | |
| 0.0588 | -0.4209 | 0.0000 | -0.1838 | -0.4027 | 0.0000 | 0.0000 | 0.0369 | -0.1186 |
| 0.2422 | 0.0000 | -0.1140 | 0.1058 | 0.2125 | 0.0000 | 0.0000 | -0.4636 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -1.9244 | -1.9735 | 0.0000 | 0.0000 | 0.0000 | |
| -0.5429 | -0.5233 | -1.4539 | -0.4913 | -0.7324 | -0.4581 | -0.4771 | -0.6539 | - |
| 0.3479 | -0.3818 | 0.0000 | -0.3443 | -0.3542 | 0.0000 | -0.7627 | -0.5599 | -0.4814 |

-0.5493 0.0000 -0.5928 -0.3805 -0.4886 0.0000 0.0000 -0.3788 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.4088 0.0000 0.0000 0.0000 0.0000
 -0.1294 -0.1844 -0.1431 -0.1416 -0.0820 -0.0165 -0.2435 -0.1055 -
 0.1118 -0.0949 -0.1138 -0.2376 -0.1017 0.0000 -0.0515 -0.1534 -0.0042
 -0.2350 -0.1049 -0.1859 -0.0603 -0.1775 0.0931 0.0000 -0.1334 0.0000
 0.0000 0.0000 0.0000 -0.0743 -0.1476 0.0000 0.0000 0.0000 0.0000
 -0.1773 -0.0532 -0.2192 -0.1638 -0.2006 -0.0979 -0.0964 -0.1868 -
 0.2782 -0.1739 -0.1347 -0.1588 -0.2029 0.0000 -0.0601 -0.0175 -0.0696
 0.0245 -0.2866 0.1173 -0.0465 0.0655 -0.2582 -0.0969 -0.0388 0.0000
 -0.4015 0.0000 0.0000 -0.2333 -0.0537 -0.2948 0.0000 0.0275
 0.0776 0.0111 0.0689 0.0875 0.1587 0.0515 0.1635 -0.0582 -
 0.0804 -0.0149 0.1087 0.0416 0.0264 0.1638 0.0688 0.1564 0.1149
 0.0926 -0.0086 -0.0187 0.0719 -0.2204 0.1580 0.2577 0.0405 0.0000
 0.4366 0.0000 0.0000 -0.0138 -0.0172 0.1682 0.0000 -0.3394
 -0.3382 -0.3252 -0.3404 -0.2466 -0.4014 -0.2806 -0.3148 -0.2659 -
 0.2768 -0.3541 -0.6498 -0.4262 -0.2583 0.0000 -0.3478 -0.2015 -0.2765
 -0.3747 -0.2402 0.1518 -0.3065 0.1645 -0.5882 -0.3697 -0.2256 0.0000
 -0.1850 0.0000 0.0000 -0.1275 -0.2898 -0.4355 0.0000 -0.0378
 -0.3058 -0.4245 -0.4625 -0.6690 -0.7443 -0.4948 -0.4173 -0.4643 -
 0.4720 -0.4107 -0.4991 -0.5116 -0.6019 0.0000 -0.5640 -0.3736 -0.3238
 -0.4240 -0.3409 -0.2937 -0.3804 -0.2944 -0.6516 -0.4609 -0.2266 0.0000
 0.0000 0.0000 0.0000 -0.0604 -0.5289 0.0000 0.0000 0.0000 0.0000
 -0.0016 -0.3069 0.0002 -0.1523 0.1121 -0.3035 -0.3874 -0.2398 -
 0.0719 -0.1788 -0.5902 -0.0522 -0.0192 0.0000 -0.6209 -0.0543 -0.1323
 -0.1701 -0.4493 -0.0179 -0.2604 -0.0220 -0.4321 0.2662 -0.1844 0.0000
 0.0000 0.0000 0.0000 0.5878 -0.3212 0.0000 0.0000 0.0000 0.0000
 -0.1775 -0.5058 -0.2283 -0.3365 -0.1498 -0.5010 -0.4520 -0.4078 -
 0.3380 -0.3286 -0.2467 -0.5145 -0.3093 0.0000 -0.5467 -0.4045 -0.2910
 -0.2697 -0.4451 -0.5009 -0.2971 -0.6273 -0.1433 -0.1766 -0.1604 0.0000
 0.0000 0.0000 0.0000 0.1751 -0.1618 0.0000 0.0000 0.0000 0.0000
 -0.3798 -0.4982 -0.2544 -0.3037 -0.2648 -0.4440 -0.4439 -0.4730 -
 0.3776 -0.3766 -0.4271 -0.4191 -0.3067 0.0000 -0.5344 -0.6193 -0.3176
 -0.5813 -0.2793 -0.7417 -0.3802 -0.2765 -0.1003 -0.2241 -0.3764 0.0000
 0.0000 0.0000 0.0000 -0.3521 -0.3351 0.0000 0.0000 0.0000 0.0000
 0.1435 -0.0406 0.0800 -0.0166 0.0490 0.0249 0.0475 -0.0569 -
 0.1080 -0.0859 -0.0477 -0.1742 -0.0799 0.0000 -0.0743 -0.0099 -0.0181
 0.0254 0.0238 -0.2036 -0.0049 0.0385 0.1070 0.0201 -0.0312 0.0000
 1.0178 0.0000 0.0000 0.0350 -0.0938 0.1871 0.0000 0.0000
 -0.6005 -0.7177 -1.0374 -0.2263 0.0000 0.0000 -0.1780 -0.0782 -
 0.1791 -1.1012 0.0000 0.0000 0.1345 0.0000 0.0000 -0.6120 -0.2224
 -0.0476 0.0000 -0.4988 -0.6127 -0.2427 0.0000 0.0000 -0.4634 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0550 -0.3240 -0.1010 -0.3021 -0.0416 -0.4028 -0.2937 -0.2511 -
 0.1757 -0.1263 -0.4435 -0.2607 -0.2698 0.0000 -0.2247 -0.2644 -0.3244
 -0.3338 -0.6898 -0.2196 -0.3038 -0.2040 -0.2021 -0.1014 -0.2568 0.0000
 0.0000 0.0000 0.0000 0.0466 -0.0704 0.0000 0.0000 0.0000 0.0000
 0.2634 0.1662 0.1736 0.1428 0.2679 0.2356 0.1707 0.1686
 0.0012 0.2558 0.2177 0.2401 0.1062 0.0000 0.2207 0.0833 -0.0867
 0.0654 0.1127 -0.0471 0.0573 -0.0110 0.2969 0.2417 0.0872 0.0000
 0.4340 0.0000 0.0000 0.2090 0.6518 0.0639 0.0000 0.0000
 -0.1660 -0.2559 -0.1787 -0.1803 -0.2075 -0.1258 -0.1523 -0.1462 -
 0.1502 -0.3365 -0.2794 -0.2335 -0.0256 0.0000 -0.4440 -0.2034 -0.0631
 -0.3781 -0.2812 -0.3933 -0.2163 -0.2480 -0.2968 -0.5895 -0.2835 0.0000
 0.0000 0.0000 0.0000 -0.4429 -0.0082 0.0000 0.0000 0.0000 0.0000
 -0.1997 -0.3481 -0.2449 -0.2073 -0.0924 -0.2149 -0.2350 -0.3076 -
 0.1019 -0.3570 -0.3674 -0.3161 -0.1273 0.0000 -0.2557 -0.2046 -0.1755

-0.4130 -0.2862 -0.4557 -0.2774 -0.1800 -0.2810 -0.1482 -0.2413 0.0000
 0.0000 0.0000 0.0000 0.0158 0.2526 -0.1491 0.0000 0.0000
 -0.2890 -0.1998 -0.4007 -0.2392 -0.2251 -0.3465 -0.1306 -0.3136 -
 0.3122 -0.2770 0.0000 0.0596 -0.2166 0.0000 -0.0646 -0.1585 -0.2288
 -0.4626 0.0000 0.2490 -0.1179 0.1103 0.0000 0.0000 -0.1507 0.0000
 0.0000 0.0000 0.0000 0.0000 1.5929 0.0000 0.0000 0.0000 0.0000
 -0.0549 -0.2579 -0.8587 -0.1348 0.0311 -0.3084 -0.2928 -0.3315
 0.2700 -0.2766 0.0000 -0.1658 -0.3022 0.0000 0.0000 0.0771 -0.1866
 -0.1034 0.0000 -0.1191 -0.0766 -0.2232 0.0000 0.0000 -0.4743 0.0000
 0.0000 0.0000 0.0000 -1.1973 -1.0403 0.0000 0.0000 0.0000 0.0000
 -0.5319 -0.5373 -1.1056 -0.4236 -0.2951 -0.3426 -0.4852 -0.2898 -
 0.2377 -0.3218 0.0000 -0.4113 -0.4104 0.0000 -0.5620 -0.3440 -0.5644
 -0.5014 0.0000 -0.5493 -0.2955 -0.4888 0.0000 0.0000 -0.4696 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.6071 0.0000 0.0000 0.0000 0.0000
 -0.1129 -0.1524 -0.1730 -0.1353 -0.0914 0.0582 -0.1827 -0.1467 -
 0.1093 -0.1201 -0.0765 -0.1707 -0.1065 0.0000 0.2131 -0.1299 -0.0554
 -0.2492 0.1157 -0.2026 -0.1380 -0.0592 -0.1579 0.0000 -0.1078 0.0000
 0.0000 0.0000 0.0000 -0.1381 -0.2437 0.0000 0.0000 0.0000 0.0000
 -0.1565 -0.0461 -0.1703 -0.1165 -0.0917 -0.0731 -0.0813 -0.1602 -
 0.1856 -0.1450 -0.1685 -0.1364 -0.1632 0.0000 -0.0983 0.0196 -0.0337
 0.0149 -0.1482 0.1012 -0.0294 0.1064 -0.1279 0.0184 -0.0521 0.0000
 -0.3586 0.0000 0.0000 -0.1377 -0.0489 -0.2615 0.0000 1.3163
 0.0840 0.0208 0.0646 0.1104 0.1457 0.0810 0.1785 0.0085 -
 0.0540 -0.0266 0.1521 0.0655 0.0477 0.4693 0.1009 0.1154 0.1276
 0.0689 0.0337 -0.0533 0.0648 -0.0255 0.0349 0.2616 0.0225 0.0000
 0.2414 0.0000 0.0000 -0.0398 -0.0532 -0.1273 0.0000 0.1315
 -0.3125 -0.2923 -0.2964 -0.2113 -0.3709 -0.2926 -0.3304 -0.2263 -
 0.3026 -0.3006 -0.4961 -0.3754 -0.2189 0.0000 -0.1947 -0.1520 -0.2241
 -0.3551 -0.4064 0.1741 -0.2596 0.2632 -0.6894 -0.2829 -0.1275 0.0000
 -0.6532 0.0000 0.0000 -0.3388 -0.2661 -0.3249 0.0000 -0.3061
 -0.2803 -0.3530 -0.4956 -0.5287 -0.7599 -0.4143 -0.3809 -0.3190 -
 0.2487 -0.4062 -0.4473 -0.3555 -0.4021 0.0000 -0.5204 -0.3959 -0.3217
 -0.3861 -0.2018 -0.2771 -0.3302 -0.1649 -0.3162 -0.4951 -0.2303 0.0000
 0.0000 0.0000 0.0000 -0.3431 -0.5658 0.0000 0.0000 0.0000 0.0000
 0.0669 -0.3256 -0.0390 -0.0746 0.1747 -0.3306 -0.2219 -0.0564 -
 0.1167 -0.2123 -0.2594 -0.2025 -0.1696 0.0000 -0.3803 -0.0781 -0.1053
 -0.1892 -0.7968 -0.1257 -0.2638 -0.1358 0.0583 0.0813 -0.1675 0.0000
 0.0000 0.0000 0.0000 0.1793 0.1017 0.0000 0.0000 0.0000 0.0000
 -0.2186 -0.3947 -0.1462 -0.2170 -0.0272 -0.4477 -0.3518 -0.3448 -
 0.2700 -0.3841 -0.2999 -0.4878 -0.2090 0.0000 -0.5272 -0.3859 -0.2848
 -0.1560 -0.5204 -0.5094 -0.2422 -0.3825 -0.6046 -0.0528 -0.2555 0.0000
 0.0000 0.0000 0.0000 -0.1434 -0.2246 0.0000 0.0000 0.0000 0.0000
 -0.2577 -0.4377 -0.1847 -0.2767 -0.1155 -0.3886 -0.5152 -0.3644 -
 0.3168 -0.3257 -0.1360 -0.4414 -0.1759 0.0000 -0.3900 -0.4324 -0.1841
 -0.4883 -0.1483 -0.5580 -0.2889 -0.2718 -0.0918 -0.2045 -0.2542 0.0000
 0.0000 0.0000 0.0000 -0.2191 -0.1148 0.0000 0.0000 0.0000 0.0000
 0.1248 -0.0426 0.0719 0.0531 0.2016 0.0001 0.0242 -0.0493 -
 0.0766 -0.0252 0.0625 0.1333 0.0252 0.0000 -0.0332 0.0522 0.0557
 0.0576 0.0854 -0.1115 0.0509 -0.0135 -0.0535 0.0581 -0.0329 0.0000
 0.6704 0.0000 0.0000 -0.0555 0.0346 0.0086 0.0000 0.0000
 -0.4256 -0.6464 -0.9741 -0.1229 0.0000 0.0000 -0.2646 0.5274
 0.3468 -0.6728 0.0000 0.0000 -0.0651 0.0000 0.0000 -0.3331 -0.2519
 -0.1847 0.0000 -0.3538 -0.3785 -0.0544 0.0000 0.0000 -0.6657 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0609 -0.3153 -0.0610 -0.2506 0.1438 -0.3281 -0.2642 -0.3304 -
 0.0773 -0.2534 -0.3947 -0.2764 -0.0598 0.0000 -0.3393 -0.1935 -0.2437

-0.3903 -0.6211 -0.2292 -0.2609 -0.1766 -0.4066 0.0767 -0.1813 0.0000
 0.0000 0.0000 0.0000 0.0123 0.0183 0.0000 0.0000 0.0000
 0.2649 0.1807 0.2225 0.1437 0.3564 0.2385 0.1238 0.1695
 0.0019 0.2384 0.3074 0.1091 0.1999 0.0000 0.2319 0.1431 0.0284
 0.1051 0.1981 0.0309 0.0982 0.0081 0.3801 0.2330 0.0718 0.0000
 0.3880 0.0000 0.0000 0.0995 0.2355 0.0038 0.0000 0.0000
 -0.1715 -0.2260 -0.1148 -0.1796 -0.1832 -0.1987 -0.1086 -0.2174 -
 0.2900 -0.2204 -0.0725 -0.0199 -0.0432 0.0000 -0.2953 -0.1221 -0.0258
 -0.2862 -0.3973 -0.1601 -0.1855 -0.2131 -0.3459 -0.3577 -0.2159 0.0000
 0.0000 0.0000 0.0000 -0.0882 -0.1246 0.0000 0.0000 0.0000
 -0.0628 -0.2891 -0.1973 -0.1465 -0.0895 -0.2485 -0.2174 -0.2046 -
 0.0548 -0.2414 -0.4368 -0.2941 -0.0309 0.0000 -0.1684 -0.1299 -0.1282
 -0.4096 -0.1478 -0.3127 -0.2493 -0.2002 -0.1785 -0.0129 -0.2339 0.0000
 0.0000 0.0000 0.0000 0.1232 0.3332 0.1509 0.0000 0.0000
 -0.2182 -0.0580 -0.3489 -0.2008 -0.2837 -0.3092 0.0949 -0.0525 -
 0.0644 -0.2362 0.0000 -0.0007 -0.1880 0.0000 -0.1789 0.0866 -0.1218
 -0.3671 0.0000 0.3011 -0.0592 0.3198 0.0000 0.0000 -0.1078 0.0000
 0.0000 0.0000 0.0000 0.0458 0.0000 0.0000 0.0000 0.0000
 0.0097 -0.1569 -0.5618 -0.2752 0.1201 -0.2387 -0.0994 -0.1780 -
 0.1840 -0.2580 0.0000 -0.4169 -0.1088 0.0000 0.0000 0.0622 -0.2554
 -0.2737 0.0000 0.0462 -0.2550 -0.3396 0.0000 0.0000 -0.2782 0.0000
 0.0000 0.0000 0.0000 -0.2169 -0.0351 0.0000 0.0000 0.0000
 -0.4122 -0.4683 -0.7679 -0.2533 -0.2674 -0.1957 -0.6871 -0.3014 -
 0.1482 -0.3076 0.0000 -0.3103 -0.6138 0.0000 -0.7522 -0.4218 -0.3235
 -0.5783 0.0000 -0.4096 -0.2795 -0.5784 0.0000 0.0000 -0.4406 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.3235 0.0000 0.0000 0.0000
 -0.1134 -0.1144 -0.1121 -0.1495 -0.1026 -0.0549 -0.1091 -0.0602 -
 0.1868 -0.0586 -0.1719 -0.1272 -0.0880 0.0000 -0.0233 -0.1474 -0.0752
 -0.2572 0.3218 -0.1255 -0.1045 -0.1620 -0.1733 0.0000 -0.0968 0.0000
 0.0000 0.0000 0.0000 0.1397 -0.1801 0.0000 0.0000 0.0000
 -0.1126 -0.0481 -0.1361 -0.1081 -0.0747 -0.0249 -0.0494 -0.1504 -
 0.0666 -0.0984 -0.1532 -0.0760 -0.1357 0.0000 -0.0640 0.0036 0.0064
 0.0147 -0.1420 0.0911 -0.0095 0.1941 0.0337 0.1478 -0.0602 0.0000
 -0.3509 0.0000 0.0000 -0.1053 -0.1164 0.0943 0.0000 0.7297
 0.1009 0.0499 0.0684 0.1216 0.1471 0.0944 0.1926 -0.0196 -
 0.0424 -0.0172 0.1219 0.0497 0.0469 0.1269 0.0985 0.1110 0.1324
 0.0427 0.1282 -0.0805 0.0492 0.1132 0.0653 0.1364 0.0048 0.0000
 0.3020 0.0000 0.0000 -0.0968 0.0206 0.0847 0.0000 0.0746
 -0.2597 -0.2383 -0.2567 -0.1996 -0.2485 -0.2349 -0.2961 -0.1173 -
 0.2788 -0.2659 -0.4791 -0.2711 -0.1682 0.0000 -0.1476 -0.1890 -0.2127
 -0.3257 -0.3377 0.1227 -0.2283 0.2578 -0.4894 -0.2539 -0.1467 0.0000
 -0.1141 0.0000 0.0000 -0.2683 -0.2978 -0.3301 0.0000 0.6643
 -0.3170 -0.2996 -0.4896 -0.4858 -0.6100 -0.3780 -0.4060 -0.3033 -
 0.1408 -0.2509 -0.5794 -0.3840 -0.2214 0.0000 -0.4971 -0.3774 -0.2603
 -0.3382 -0.3152 -0.2112 -0.2995 -0.1056 -0.2850 -0.5236 -0.2484 0.0000
 0.0000 0.0000 0.0000 -0.3349 -0.3162 0.0000 0.0000 0.0000
 0.0229 -0.2867 -0.0499 -0.1798 0.2955 -0.1818 -0.2268 -0.2863
 0.0547 -0.0782 -0.4639 -0.2639 -0.2807 0.0000 -0.2701 -0.1870 -0.0479
 -0.1935 -0.2574 -0.1601 -0.2570 -0.0691 0.0139 0.2699 -0.1482 0.0000
 0.0000 0.0000 0.0000 0.4282 0.1344 0.0000 0.0000 0.0000
 -0.3591 -0.3757 -0.2097 -0.1933 -0.0883 -0.4740 -0.3134 -0.3771 -
 0.3340 -0.4384 -0.1204 -0.4124 -0.2697 0.0000 -0.4108 -0.4451 -0.2533
 -0.2169 -0.1443 -0.5067 -0.2772 -0.1167 -0.1663 0.2252 -0.3331 0.0000
 0.0000 0.0000 0.0000 -0.2858 -0.1811 0.0000 0.0000 0.0000
 -0.1735 -0.3517 -0.1883 -0.1789 -0.0368 -0.2753 -0.4645 -0.2759 -
 0.2132 -0.2262 -0.1247 -0.4274 -0.1419 0.0000 -0.1989 -0.3401 -0.1467

-0.4339 -0.4583 -0.3799 -0.3191 -0.4464 -0.2764 -0.2409 -0.2530 0.0000
 0.0000 0.0000 0.0000 -0.1581 0.2022 0.0000 0.0000 0.0000
 0.1215 -0.0143 0.0594 0.0243 0.2001 -0.0118 0.0204 -0.0639 -
 0.0049 -0.0488 0.1026 0.0710 0.0233 0.0000 0.0449 0.0519 0.0746
 0.0500 0.1792 -0.0105 0.0535 -0.0987 -0.0478 0.2082 -0.0136 0.0000
 0.0828 0.0000 0.0000 -0.1586 0.0227 0.1534 0.0000 0.0000
 -0.5856 -0.4439 -0.7302 -0.2315 0.0000 0.0000 -0.4847 -0.1482 -
 0.0585 -0.1671 0.0000 0.0000 -0.2019 0.0000 0.0000 -0.2935 0.0075
 0.2405 0.0000 0.1666 -0.2514 -0.3637 0.0000 0.0000 -0.3069 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0729 -0.2496 -0.1026 -0.2347 0.1523 -0.2996 -0.1661 -0.2120 -
 0.3193 -0.2021 -0.4206 -0.2204 -0.0526 0.0000 -0.2676 -0.1454 -0.1679
 -0.4472 -0.3099 -0.1697 -0.1762 -0.1768 -0.5945 -0.0649 -0.1522 0.0000
 0.0000 0.0000 0.0000 0.0527 -0.0832 0.0000 0.0000 0.0000
 0.2584 0.1770 0.2349 0.1270 0.2617 0.2464 0.1418 0.1338
 0.0332 0.1856 0.3038 0.1985 0.2474 0.0000 0.2203 0.1831 0.1339
 0.1191 0.0346 0.0747 0.1296 -0.0523 0.2926 0.1234 0.0879 0.0000
 0.3576 0.0000 0.0000 0.1163 0.3310 0.0642 0.0000 0.0000
 -0.0971 -0.2006 -0.0608 -0.1647 0.0842 -0.0481 -0.0532 -0.2352 -
 0.2836 -0.2093 -0.2848 0.0144 -0.0508 0.0000 -0.1071 -0.1363 0.0314
 -0.2549 -0.1898 -0.0639 -0.1059 -0.0990 -0.4969 -0.0769 -0.1164 0.0000
 0.0000 0.0000 0.0000 0.1714 0.1443 0.0000 0.0000 0.0000
 -0.1709 -0.2325 -0.1672 -0.1168 -0.0605 -0.1700 -0.1982 -0.1121 -
 0.0104 -0.1269 -0.2679 -0.1541 0.0350 0.0000 -0.1177 -0.0757 -0.0597
 -0.3601 -0.2236 -0.1834 -0.1973 -0.2032 -0.0031 -0.0945 -0.1744 0.0000
 0.0000 0.0000 0.0000 0.0557 0.0969 0.0565 0.0000 0.0000
 -0.0687 -0.0815 -0.2325 -0.1009 -0.4165 -0.3668 0.0686 0.2545 -
 0.1165 -0.2294 0.0000 -0.3017 -0.0980 0.0000 -0.2814 0.0057 -0.1967
 -0.2714 0.0000 0.3927 -0.0120 0.2249 0.0000 0.0000 -0.0230 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0307 0.0000 0.0000 0.0000
 0.0571 -0.0452 -0.3488 -0.2190 0.0579 -0.1212 -0.1965 -0.2732 -
 0.4429 -0.4463 0.0000 -0.2060 -0.0596 0.0000 0.0000 -0.1053 -0.2527
 -0.1746 0.0000 0.0455 -0.1486 -0.2169 0.0000 0.0000 -0.2149 0.0000
 0.0000 0.0000 0.0000 0.2532 0.3770 0.0000 0.0000 0.0000
 -0.2919 -0.4026 -0.4191 -0.2514 -0.3576 -0.1633 -0.6788 -0.3010 -
 0.2259 -0.3701 0.0000 -0.3151 -0.4334 0.0000 -0.3758 -0.3157 -0.3555
 -0.6618 0.0000 -0.3786 -0.2974 -0.5013 0.0000 0.0000 -0.4421 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.7407 0.0000 0.0000 0.0000
 -0.0639 -0.1370 -0.1019 -0.0797 -0.0817 -0.0812 -0.0533 -0.0115 -
 0.1891 -0.1022 -0.2912 -0.1438 -0.0905 0.0000 0.0438 -0.1126 -0.0469
 -0.1916 -0.0884 -0.1701 -0.1205 -0.1025 -0.0683 0.0000 -0.1053 0.0000
 0.0000 0.0000 0.0000 0.1022 0.0237 0.0000 0.0000 0.0000
 -0.0919 -0.0384 -0.0810 -0.0853 -0.0486 -0.0509 -0.0068 -0.1113 -
 0.0407 -0.0455 -0.1716 -0.0561 -0.1027 0.0000 -0.0347 0.0130 0.0092
 -0.0022 0.0235 0.0778 0.0464 0.1941 0.0892 0.0642 -0.0247 0.0000
 -0.2207 0.0000 0.0000 -0.1961 -0.2683 -0.0458 0.0000 0.6194
 0.1260 0.0494 0.0658 0.0877 0.1339 0.1004 0.1563 -0.0024 -
 0.0347 -0.0265 0.1007 0.1062 0.0418 0.0595 0.0792 0.0925 0.1024
 0.0916 0.1449 -0.1048 0.0700 0.1071 0.0635 0.1697 0.0274 0.0000
 0.3605 0.0000 0.0000 -0.0996 -0.0382 0.0492 0.0000 0.4917
 -0.2176 -0.1954 -0.2173 -0.1744 -0.1422 -0.2363 -0.2749 -0.1989 -
 0.1665 -0.2282 -0.3710 -0.2402 -0.1431 0.0000 -0.1000 -0.2103 -0.1973
 -0.2765 -0.2034 0.0508 -0.2247 0.0771 -0.4640 -0.2891 -0.1657 0.0000
 -0.3570 0.0000 0.0000 -0.1665 -0.1815 -0.2871 0.0000 0.0134
 -0.3391 -0.2756 -0.5046 -0.4285 -0.5028 -0.3282 -0.3942 -0.1733 -
 0.1702 -0.1029 -0.6153 -0.3619 -0.1620 0.0000 -0.2896 -0.3275 -0.2220

-0.3119 -0.6189 -0.2473 -0.2260 -0.1384 -0.6603 -0.4768 -0.1917 0.0000
 0.0000 0.0000 0.0000 -0.1547 -0.3497 0.0000 0.0000 0.0000
 -0.0003 -0.2199 -0.0607 -0.2655 0.2600 -0.1588 -0.0939 0.0159
 0.1096 -0.1915 -0.4012 -0.2094 -0.0732 0.0000 -0.0416 -0.2140 -0.1341
 -0.1959 0.0049 -0.1321 -0.2688 0.0059 -0.3503 0.1934 -0.1895 0.0000
 0.0000 0.0000 0.0000 0.4178 0.1440 0.0000 0.0000 0.0000
 -0.2345 -0.3556 -0.0868 -0.1126 -0.0016 -0.2858 -0.2556 -0.2854 -
 0.2335 -0.3121 -0.3243 -0.3156 -0.0928 0.0000 -0.3109 -0.4462 -0.2347
 -0.4151 -0.0855 -0.5159 -0.2252 -0.0157 0.2415 0.3987 -0.2595 0.0000
 0.0000 0.0000 0.0000 -0.3384 -0.2370 0.0000 0.0000 0.0000
 -0.2063 -0.2727 -0.1603 -0.1379 -0.0427 -0.2464 -0.4350 -0.1834 -
 0.1791 -0.1158 -0.0871 -0.3635 -0.1325 0.0000 -0.1567 -0.2918 -0.1464
 -0.3323 -0.1982 -0.2711 -0.2784 -0.4124 -0.1807 0.0392 -0.2847 0.0000
 0.0000 0.0000 0.0000 -0.1384 -0.1184 0.0000 0.0000 0.0000
 0.0971 -0.0130 0.0653 0.0307 0.1767 0.0146 0.0115 -0.0808
 0.0167 -0.0255 0.0962 0.0809 0.0329 0.0000 0.0611 0.1003 0.0799
 -0.0024 0.1349 0.0522 0.0297 -0.1241 0.0842 0.1161 0.0364 0.0000
 0.4594 0.0000 0.0000 0.0429 0.0746 -0.0424 0.0000 0.0000
 -0.5672 -0.3697 -0.6707 -0.2076 0.0000 0.0000 -0.0366 0.1739
 0.2660 0.0385 0.0000 0.0000 0.4520 0.0000 0.0000 0.1709 -0.1033
 -0.6286 0.0000 0.0579 -0.4554 0.0956 0.0000 0.0000 -0.4228 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0684 -0.1916 -0.1162 -0.2003 0.0853 -0.1959 -0.2005 -0.1624 -
 0.0815 -0.1483 -0.2910 -0.2076 -0.0733 0.0000 -0.0935 -0.0962 -0.1823
 -0.3421 -0.1675 -0.1729 -0.1317 -0.1241 -0.5451 0.1149 -0.1948 0.0000
 0.0000 0.0000 0.0000 0.0179 0.1063 0.0000 0.0000 0.0000
 0.1922 0.1591 0.1858 0.1088 0.2511 0.2220 0.1199 0.0671 -
 0.0006 0.1338 0.3049 0.1817 0.2004 0.0000 0.2155 0.2320 0.1916
 0.0948 0.0214 0.0230 0.1210 -0.1790 0.3252 0.2880 0.0632 0.0000
 0.5071 0.0000 0.0000 0.0180 0.0953 -0.0135 0.0000 0.0000
 -0.0081 -0.1568 -0.0917 -0.1646 -0.0054 -0.1236 -0.1508 -0.1907 -
 0.0769 -0.2183 -0.3418 -0.0428 -0.0029 0.0000 0.1824 -0.0271 -0.0083
 -0.1822 -0.1885 -0.0115 -0.0993 -0.1006 -0.3752 -0.3411 -0.1103 0.0000
 0.0000 0.0000 0.0000 -0.0896 0.0383 0.0000 0.0000 0.0000
 -0.1138 -0.1998 -0.1218 -0.1073 0.0915 -0.1948 -0.2156 -0.0632 -
 0.1825 -0.1070 -0.1964 -0.1470 0.0271 0.0000 -0.0259 -0.0513 -0.0972
 -0.3422 -0.2374 -0.1197 -0.1491 -0.2332 0.0985 -0.0663 -0.1870 0.0000
 0.0000 0.0000 0.0000 0.1927 0.1674 0.3318 0.0000 0.0000
 -0.1099 -0.0314 -0.2373 0.0054 -0.1674 0.0543 0.0884 -0.0868 -
 0.0586 0.0283 0.0000 -0.0063 -0.0134 0.0000 0.0847 0.1739 -0.0620
 -0.1396 0.0000 0.3087 -0.0291 0.0177 0.0000 0.0000 -0.0978 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.0492 0.0000 0.0000 0.0000
 0.0848 0.1188 -0.2816 -0.2128 -0.3269 0.0118 0.0209 -0.2503 -
 0.4883 -0.5602 0.0000 -0.1567 0.0745 0.0000 0.0000 0.0051 -0.2560
 0.0991 0.0000 0.2021 0.0200 -0.0179 0.0000 0.0000 -0.1760 0.0000
 0.0000 0.0000 0.0456 0.0657 0.0000 0.0000 0.0000 0.0000
 -0.4128 -0.3416 -0.2590 -0.3273 -0.5802 -0.4905 -0.5742 -0.3487 -
 0.1442 -0.3121 0.0000 -0.6598 -0.3433 0.0000 -0.3733 -0.2919 -0.3085
 -0.4830 0.0000 -0.2160 -0.1837 -0.4163 0.0000 0.0000 -0.0938 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.5446 0.0000 0.0000 0.0000
 -0.0505 -0.1343 -0.0549 -0.0572 -0.0607 -0.0480 -0.0604 -0.0428 -
 0.0914 -0.0833 -0.0636 -0.0989 -0.0679 0.0000 -0.0996 -0.1101 0.0402
 -0.1192 0.0664 -0.1403 -0.0943 -0.1042 -0.0160 0.0000 -0.0799 0.0000
 0.0000 0.0000 0.0000 -0.0307 0.1057 0.0000 0.0000 0.0000
 -0.0513 -0.0217 -0.0628 -0.0713 -0.0675 -0.0454 -0.0139 -0.0410 -
 0.0170 -0.0278 -0.0098 -0.0701 -0.0449 0.0000 -0.0490 0.0193 -0.0078

-0.0001 0.1032 0.0849 0.0367 0.1034 0.0325 0.0050 -0.0067 0.0000
 -0.2790 0.0000 0.0000 -0.1948 -0.2573 0.1735 0.0000 0.6754 -
 0.1072 0.0289 0.0485 0.0545 0.1203 0.1237 0.1687 -0.0014 -
 0.0186 -0.0295 0.0739 0.0992 0.0419 0.4291 0.0555 0.1006 0.0592
 0.0627 0.1163 -0.0767 0.0864 0.0412 0.0629 0.1346 0.0222 0.0000
 0.4067 0.0000 0.0000 -0.1472 -0.1044 0.0331 0.0000 -0.0668
 -0.2077 -0.2222 -0.2235 -0.1539 -0.1677 -0.2087 -0.2243 -0.1002 -
 0.1516 -0.2244 -0.3165 -0.2605 -0.1174 0.0000 -0.1056 -0.2460 -0.1845
 -0.2858 -0.1407 0.0194 -0.2269 0.0765 -0.3440 -0.2241 -0.1744 0.0000
 -0.4879 0.0000 0.0000 -0.2401 -0.2297 -0.3087 0.0000 -0.0854
 -0.3356 -0.2702 -0.4950 -0.2999 -0.4250 -0.2579 -0.3977 -0.1407 -
 0.3080 -0.1100 -0.2343 -0.2287 -0.2158 0.0000 -0.3392 -0.2887 -0.1861
 -0.2274 -0.4052 -0.2011 -0.2632 -0.2340 -0.5379 -0.3596 -0.1179 0.0000
 0.0000 0.0000 0.0000 -0.2124 -0.3673 0.0000 0.0000 0.0000
 0.0627 -0.1480 -0.0959 -0.2481 0.2138 -0.1470 -0.0867 0.0260 -
 0.1020 -0.2282 -0.1979 -0.3058 -0.0462 0.0000 -0.0266 -0.2527 -0.1141
 -0.2740 0.3656 -0.1094 -0.2122 -0.0233 -0.1766 0.5420 -0.1469 0.0000
 0.0000 0.0000 0.0000 0.6124 0.2501 0.0000 0.0000 0.0000
 -0.1082 -0.3024 -0.1067 -0.0286 0.0504 -0.2310 -0.2339 -0.1288 -
 0.1560 -0.1788 -0.2215 -0.2771 -0.0262 0.0000 -0.0313 -0.3918 -0.1319
 -0.4388 0.1204 -0.4293 -0.1691 -0.0017 -0.1175 -0.0814 -0.0986 0.0000
 0.0000 0.0000 0.0000 -0.1552 -0.0706 0.0000 0.0000 0.0000
 -0.1750 -0.2786 -0.1320 -0.1394 -0.0008 -0.2956 -0.4035 -0.1256 -
 0.1698 -0.1483 -0.1315 -0.3127 -0.0448 0.0000 -0.1220 -0.2975 -0.1574
 -0.3630 -0.2363 -0.1947 -0.2458 -0.3459 -0.3759 -0.1240 -0.2180 0.0000
 0.0000 0.0000 0.0000 -0.1107 -0.0723 0.0000 0.0000 0.0000
 0.0737 -0.0026 0.0621 0.0100 0.0834 0.0223 0.0374 -0.0878 -
 0.0151 -0.0074 0.0493 0.0824 0.0699 0.0000 0.0750 0.1324 0.0673
 0.0061 0.0427 0.0872 0.0267 -0.0871 0.1029 0.0219 -0.0126 0.0000
 0.2389 0.0000 0.0000 0.0615 0.1073 0.0859 0.0000 0.0000
 -0.3538 -0.4317 -0.6218 -0.1279 0.0000 0.0000 -0.1300 -0.1564 -
 0.2440 -0.2111 0.0000 0.0000 0.3047 0.0000 0.0000 -0.1924 -0.2309
 -0.6690 0.0000 -0.1478 -0.4789 -0.0386 0.0000 0.0000 0.0562 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0357 -0.1709 -0.0626 -0.2191 0.0002 -0.2382 -0.1090 -0.1928
 0.0087 -0.0690 -0.2080 -0.1475 -0.1459 0.0000 -0.1064 -0.1142 -0.1703
 -0.2820 -0.0374 -0.1361 -0.0782 -0.0982 -0.2673 -0.0033 -0.2027 0.0000
 0.0000 0.0000 0.0000 0.0819 0.2706 0.0000 0.0000 0.0000 0.0000
 0.1651 0.1379 0.1435 0.0948 0.1837 0.1318 0.0585 0.0623
 0.0523 0.1226 0.3175 0.2024 0.1630 0.0000 0.1745 0.1652 0.1482
 0.1287 -0.0508 -0.0193 0.1117 -0.2185 0.2735 0.2454 0.0777 0.0000
 0.6608 0.0000 0.0000 -0.0109 0.1480 0.2929 0.0000 0.0000
 -0.0885 -0.1296 -0.0977 -0.0682 -0.1660 -0.0303 -0.1038 -0.2391 -
 0.1533 -0.1901 -0.0058 -0.0092 -0.0220 0.0000 -0.0103 0.0337 -0.0391
 -0.1339 -0.3568 0.0081 -0.0456 0.0168 -0.1626 -0.3026 -0.0823 0.0000
 0.0000 0.0000 0.0000 0.0783 0.2222 0.0000 0.0000 0.0000
 -0.1252 -0.1565 -0.1070 -0.0954 0.0262 -0.1211 -0.1542 -0.0248 -
 0.2238 -0.0493 -0.1132 -0.0689 -0.0379 0.0000 -0.0817 -0.0740 -0.0422
 -0.2580 -0.0618 -0.0928 -0.1255 -0.2486 0.0697 0.0217 -0.1707 0.0000
 0.0000 0.0000 0.0000 0.1144 0.2912 -0.1722 0.0000 0.0000
 -0.0880 0.0362 -0.1138 0.0417 -0.1420 0.0085 0.1538 -0.0418
 0.1463 0.0055 0.0000 0.2142 0.0277 0.0000 0.1340 0.3210 0.0422
 -0.0825 0.0000 0.1566 0.1196 0.0455 0.0000 0.0000 -0.2411 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.1888 0.0000 0.0000 0.0000 0.0000
 -0.0936 0.0624 -0.1859 -0.1135 -0.4509 -0.1958 0.4116 -0.3720 -
 0.2061 -0.2333 0.0000 -0.0244 -0.0835 0.0000 0.0000 0.0196 -0.1928

-0.1309 0.0000 0.0787 0.0159 -0.2185 0.0000 0.0000 -0.3299 0.0000
 0.0000 0.0000 0.0000 -0.2305 0.2890 0.0000 0.0000 0.0000 0.0000
 -0.8146 -0.2734 -0.2291 -0.3679 -0.7190 -0.4186 -0.4389 -0.1416 -
 0.1323 -0.1506 0.0000 -0.4639 -0.2376 0.0000 -0.1135 -0.2515 -0.1598
 -0.4172 0.0000 -0.1768 -0.1402 -0.4106 0.0000 0.0000 -0.2752 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.1686 0.0000 0.0000 0.0000 0.0000
 -0.0439 -0.0851 -0.0899 -0.0640 0.0264 0.0179 -0.0919 -0.0576 -
 0.0279 -0.0500 -0.0539 -0.0770 -0.0312 0.0000 -0.0423 -0.0829 -0.0291
 -0.1774 -0.0246 -0.0758 -0.0649 -0.0995 -0.2221 0.0000 -0.0655 0.0000
 0.0000 0.0000 0.0000 -0.0465 -0.1164 0.0000 0.0000 0.0000 0.0000
 -0.0434 -0.0167 -0.0606 -0.0454 -0.0663 -0.0302 0.0415 0.0121
 0.0597 -0.0224 -0.0799 -0.0343 -0.0258 0.0000 -0.0822 0.0103 0.0004
 -0.0050 0.1193 0.1144 0.0468 0.0942 0.0279 -0.0418 -0.0058 0.0000
 -0.2500 0.0000 0.0000 -0.1603 -0.1660 0.0413 0.0000 1.5476
 0.0935 0.0262 0.0554 0.0506 0.0883 0.1179 0.1385 -0.0161
 0.0338 0.0173 0.1546 0.0845 0.0635 0.7339 0.1382 0.0867 0.0524
 0.0367 0.1899 -0.0380 0.0655 0.0377 0.0486 0.0782 0.0076 0.0000
 0.1363 0.0000 0.0000 -0.0799 -0.0402 0.0364 0.0000 0.1020
 -0.1806 -0.1886 -0.2183 -0.1299 -0.1861 -0.1875 -0.2462 -0.0987 -
 0.2001 -0.1339 -0.3508 -0.2614 -0.1042 0.0000 -0.1644 -0.1972 -0.1759
 -0.2191 -0.0727 0.0640 -0.1878 0.0455 -0.3407 -0.2879 -0.1162 0.0000
 -0.3223 0.0000 0.0000 -0.1083 -0.2796 -0.2996 0.0000 0.2553
 -0.2928 -0.2515 -0.4675 -0.1925 -0.3061 -0.2643 -0.3271 -0.1526 -
 0.1463 -0.1607 -0.2553 -0.2822 -0.2743 0.0000 -0.2989 -0.2613 -0.1817
 -0.2418 -0.2212 -0.1397 -0.2566 -0.1841 -0.3832 -0.3276 -0.1728 0.0000
 0.0000 0.0000 0.0000 0.0632 -0.1458 0.0000 0.0000 0.0000 0.0000
 0.0730 -0.1385 -0.0681 -0.2179 -0.2769 -0.3499 -0.1558 -0.1613 -
 0.0898 -0.0583 -0.1265 -0.2456 -0.0188 0.0000 0.0212 -0.1202 -0.0828
 -0.3186 -0.0534 -0.1248 -0.1748 -0.0634 -0.0660 0.2125 -0.1915 0.0000
 0.0000 0.0000 0.0000 0.1339 0.1562 0.0000 0.0000 0.0000 0.0000
 -0.1676 -0.2438 -0.1767 -0.0416 0.0549 -0.0645 -0.1942 -0.1137 -
 0.1831 -0.0391 -0.1142 -0.1639 -0.0779 0.0000 0.0439 -0.2811 -0.0303
 -0.3868 -0.1164 -0.3079 -0.1649 0.0555 0.0626 -0.0619 -0.1779 0.0000
 0.0000 0.0000 0.0000 0.4433 0.0065 0.0000 0.0000 0.0000 0.0000
 -0.1499 -0.2384 -0.0953 -0.1301 -0.0054 -0.2682 -0.2445 -0.1427 -
 0.1597 -0.1185 0.2438 -0.2682 -0.0490 0.0000 -0.0884 -0.2251 -0.1076
 -0.3372 -0.3678 -0.1541 -0.2052 -0.3222 -0.2104 0.0721 -0.1501 0.0000
 0.0000 0.0000 0.0000 0.0568 -0.0980 0.0000 0.0000 0.0000 0.0000
 0.0153 0.0146 0.0390 0.0240 0.0899 0.0203 0.0655 -0.0760 -
 0.0304 0.0410 0.0004 0.0468 0.0956 0.0000 0.0554 0.1038 0.0702
 0.0043 0.0814 0.0570 0.0066 -0.0558 -0.0074 0.0934 0.0313 0.0000
 0.2836 0.0000 0.0000 -0.0581 0.0390 0.0406 0.0000 0.0000 0.0000
 -0.1821 -0.2661 -0.4062 -0.3528 0.0000 0.0000 -0.0853 -0.5388
 0.0924 -0.1306 0.0000 0.0000 0.0877 0.0000 0.0000 -0.2439 -0.4974
 -0.6474 0.0000 -0.4070 -0.4124 0.1009 0.0000 0.0000 -0.2080 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0311 -0.1410 -0.0846 -0.1357 -0.0752 -0.1714 -0.1268 -0.1405
 0.0008 -0.0509 -0.2337 -0.2543 -0.2017 0.0000 -0.0966 -0.0525 -0.1145
 -0.2716 0.2861 -0.1005 -0.0713 -0.1945 -0.1930 -0.2589 -0.1033 0.0000
 0.0000 0.0000 0.0000 0.0594 0.3406 0.0000 0.0000 0.0000 0.0000
 0.1627 0.1036 0.1337 0.0997 0.1839 0.1573 0.0977 0.0505
 0.0587 0.0747 0.1793 0.1829 0.0788 0.0000 0.2145 0.1026 0.1112
 0.1570 0.0378 -0.0371 0.0901 -0.2266 0.2648 0.3081 0.0525 0.0000
 0.1891 0.0000 0.0000 -0.0746 0.0974 0.1580 0.0000 0.0000 0.0000
 -0.1157 -0.1020 -0.0699 -0.0936 0.0601 -0.0576 -0.1350 -0.1647 -
 0.1355 -0.1654 -0.1449 0.0962 -0.0656 0.0000 -0.0710 0.0520 -0.0236

-0.0615 -0.2814 -0.0098 -0.0270 -0.0318 -0.0009 -0.1316 -0.0916 0.0000
 0.0000 0.0000 0.0000 0.1761 0.1384 0.0000 0.0000 0.0000
 -0.0232 -0.1401 -0.0811 -0.0760 -0.0513 -0.0834 -0.0979 -0.0750 -
 0.0922 -0.0405 -0.0440 -0.0712 -0.0981 0.0000 -0.0583 -0.0566 -0.0498
 -0.2009 0.0213 -0.1064 -0.1218 -0.1933 -0.0050 -0.0154 -0.1172 0.0000
 0.0000 0.0000 0.0000 0.0243 0.2631 0.0542 0.0000 0.0000
 -0.0195 0.0605 -0.1036 -0.0346 -0.0333 0.0873 0.0669 0.2506
 0.4361 0.0659 0.0000 0.1518 0.1672 0.0000 0.0121 0.1212 0.1224
 -0.0530 0.0000 0.0936 0.1398 0.0281 0.0000 0.0000 0.2805 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.3766 0.0000 0.0000 0.0000 0.0000
 -0.2838 -0.0583 -0.2249 -0.0747 -0.4126 -0.1194 0.1349 -0.3284 -
 0.2494 0.0824 0.0000 -0.1768 -0.2005 0.0000 0.0000 -0.0713 -0.0492
 -0.2994 0.0000 0.0178 -0.0370 0.1877 0.0000 0.0000 -0.4396 0.0000
 0.0000 0.0000 0.0000 0.1369 1.1640 0.0000 0.0000 0.0000 0.0000
 -0.9755 -0.2860 -0.2571 -0.4154 -0.7778 -0.3341 -0.4276 -0.2407 -
 0.2008 -0.3864 0.0000 -0.1190 -0.2206 0.0000 -0.3215 -0.2618 -0.1091
 -0.2586 0.0000 -0.2249 -0.2243 -0.2461 0.0000 0.0000 -0.3111 0.0000
 0.0000 0.0000 0.0000 0.0734 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0387 -0.0901 -0.0579 -0.0599 0.0366 -0.0476 -0.0696 -0.0491
 0.0283 -0.0386 -0.1073 -0.0216 -0.0127 0.0000 0.0562 -0.0569 -0.0475
 -0.1441 -0.0674 -0.0576 -0.0579 -0.0867 -0.1336 0.0000 -0.0805 0.0000
 0.0000 0.0000 0.0000 -0.0578 0.0880 0.0000 0.0000 0.0000 0.0000
 -0.0092 0.0027 -0.0676 -0.0205 -0.0294 -0.0138 -0.0027 0.0556
 0.0898 0.0122 -0.0993 -0.0931 -0.0096 0.0000 -0.0032 -0.0177 0.0118
 -0.0031 -0.0391 0.1083 0.0430 0.1712 0.0846 -0.1142 0.0067 0.0000
 -0.2656 0.0000 0.0000 -0.1320 -0.2549 -0.0247 0.0000 0.7823
 0.0824 0.0323 0.0693 0.0377 0.1160 0.1241 0.1179 -0.0577
 0.0271 0.0284 0.0703 0.0753 0.0850 0.3881 0.1537 0.1006 0.0587
 0.0239 0.1796 0.0013 0.0450 0.0676 0.0228 0.1636 0.0218 0.0000
 0.2005 0.0000 0.0000 -0.0172 0.0854 0.0414 0.0000 -0.0558
 -0.1464 -0.1507 -0.2022 -0.1344 -0.2059 -0.1809 -0.2397 -0.1143 -
 0.1387 -0.0687 -0.2031 -0.2572 -0.0864 0.0000 -0.1644 -0.1690 -0.1511
 -0.1659 -0.1708 0.0878 -0.1561 0.1259 -0.3628 -0.2806 -0.0876 0.0000
 -0.1924 0.0000 0.0000 -0.1760 -0.1489 -0.2140 0.0000 -0.2326
 -0.2219 -0.2013 -0.3961 -0.1713 -0.1458 -0.2007 -0.2774 -0.0752 -
 0.0580 -0.1437 -0.3395 -0.2497 -0.2231 0.0000 -0.3096 -0.2256 -0.1032
 -0.2129 -0.1702 -0.0633 -0.1723 -0.1671 -0.3240 -0.4238 -0.0967 0.0000
 0.0000 0.0000 0.0000 -0.0971 -0.3116 0.0000 0.0000 0.0000 0.0000
 0.0795 -0.1485 -0.0651 -0.1205 -0.0146 -0.2593 -0.1620 -0.1371 -
 0.0544 0.0185 -0.4204 -0.1904 -0.0620 0.0000 0.1020 -0.0387 -0.1623
 -0.3717 -0.5492 -0.1461 -0.0361 -0.1435 -0.1004 0.0535 -0.0755 0.0000
 0.0000 0.0000 0.0000 0.2133 0.3875 0.0000 0.0000 0.0000 0.0000
 -0.2114 -0.2327 -0.1075 -0.0667 -0.0045 -0.1842 -0.2443 -0.0694 -
 0.1748 0.0149 -0.1613 -0.2936 0.0371 0.0000 -0.0579 -0.1619 -0.0330
 -0.3894 -0.0990 -0.2196 -0.1386 -0.0371 -0.0220 -0.4134 -0.1238 0.0000
 0.0000 0.0000 0.0000 0.2700 0.0319 0.0000 0.0000 0.0000 0.0000
 -0.1021 -0.2110 -0.0959 -0.1027 -0.0165 -0.1391 -0.1946 -0.1436 -
 0.0944 -0.0434 -0.1394 -0.2273 -0.0245 0.0000 -0.2474 -0.2161 -0.0806
 -0.3079 -0.0409 -0.1484 -0.1604 -0.2732 0.0410 -0.0484 -0.1191 0.0000
 0.0000 0.0000 0.0000 0.1990 0.1071 0.0000 0.0000 0.0000 0.0000
 0.0062 -0.0049 0.0259 0.0291 0.0649 0.0875 0.0672 -0.0131 -
 0.0494 0.0737 0.0469 0.0760 0.0577 0.0000 0.0592 0.0826 0.0545
 -0.0177 0.0459 0.0315 0.0156 0.0219 -0.0217 0.1668 0.0022 0.0000
 0.2757 0.0000 0.0000 -0.0621 0.0624 -0.0057 0.0000 0.0000 0.0000
 -0.2920 -0.2269 -0.0185 -0.3897 0.0000 0.0000 -0.0419 -0.5753 -
 0.0842 -0.1409 0.0000 0.0000 0.2544 0.0000 0.0000 -0.1050 -0.3829

-0.7628 0.0000 -0.2452 -0.1937 -0.0295 0.0000 0.0000 -0.2385 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0306 -0.1075 -0.0758 -0.0549 -0.0722 -0.1166 -0.0788 -0.2294
 0.0484 -0.0720 -0.4025 -0.1457 -0.1677 0.0000 0.0130 -0.0875 -0.0638
 -0.1493 0.1158 -0.1394 -0.0879 -0.1966 -0.0808 -0.2451 -0.1430 0.0000
 0.0000 0.0000 0.0000 0.1358 0.4227 0.0000 0.0000 0.0000
 0.1238 0.0996 0.1412 0.1281 0.1807 0.1803 0.1602 0.0426
 0.0364 0.0170 0.2271 0.1603 0.0475 0.0000 0.1560 0.0978 0.1043
 0.1683 0.0354 -0.0158 0.0705 -0.1296 0.0839 0.2606 0.0535 0.0000
 0.0628 0.0000 0.0000 -0.0649 0.1116 -0.1311 0.0000 0.0000
 -0.0362 -0.0716 -0.0168 -0.0429 0.0742 -0.0800 -0.0715 -0.0142 -
 0.0640 -0.0386 -0.1690 0.1566 -0.0121 0.0000 0.0455 0.0111 -0.0822
 -0.0766 -0.0768 -0.0828 -0.0838 -0.0453 -0.1034 -0.0872 -0.1110 0.0000
 0.0000 0.0000 0.0000 -0.1704 0.1484 0.0000 0.0000 0.0000
 -0.0292 -0.1130 -0.0346 -0.0670 0.0907 -0.0515 -0.0420 0.0126 -
 0.0623 -0.0714 -0.0050 -0.0427 -0.0865 0.0000 -0.0403 -0.0638 -0.0586
 -0.1585 -0.1024 -0.1185 -0.0903 -0.1036 -0.0072 0.1026 -0.0987 0.0000
 0.0000 0.0000 0.0000 0.0861 0.2638 -0.1721 0.0000 0.0000
 -0.0832 0.0422 -0.0690 -0.0779 0.0616 -0.0353 0.0871 0.2645
 0.4664 0.3799 0.0000 -0.3369 0.2155 0.0000 -0.3317 0.1741 0.2208
 0.1311 0.0000 0.1531 0.1150 0.3247 0.0000 0.0000 0.1149 0.0000
 0.0000 0.0000 0.0000 0.3157 0.0000 0.0000 0.0000 0.0000
 -0.4488 -0.0101 -0.1554 -0.0920 -0.2659 0.0315 0.1329 -0.1952 -
 0.0031 0.1874 0.0000 -0.2668 -0.2275 0.0000 0.0000 -0.0283 -0.1805
 -0.1498 0.0000 -0.1193 0.0301 0.0247 0.0000 0.0000 -0.4675 0.0000
 0.0000 0.0000 0.0000 0.2368 0.6301 0.0000 0.0000 0.0000
 -0.7803 -0.1746 -0.2356 -0.2811 -0.5780 -0.2699 -0.1896 -0.0352
 0.0119 -0.3568 0.0000 -0.1581 -0.1411 0.0000 -0.0980 -0.3497 -0.1964
 -0.2725 0.0000 -0.1490 -0.2215 -0.0382 0.0000 0.0000 -0.2170 0.0000
 0.0000 0.0000 0.0000 0.2881 0.0000 0.0000 0.0000 0.0000
 -0.0461 -0.0868 -0.0236 -0.0709 -0.0366 -0.0846 -0.0820 -0.0590
 0.0007 -0.1125 -0.1072 -0.0939 -0.0160 0.0000 -0.0649 -0.0859 -0.0726
 -0.1130 -0.0106 -0.0323 -0.0356 -0.0122 0.0276 0.0000 -0.0653 0.0000
 0.0000 0.0000 0.0000 -0.1771 -0.0960 0.0000 0.0000 0.0000
 0.0134 0.0105 -0.0412 0.0117 0.0095 -0.0070 -0.0062 0.0702
 0.0686 0.0254 -0.1558 -0.0170 -0.0316 0.0000 -0.0567 0.0008 0.0178
 0.0316 0.1223 0.1066 0.0392 0.1798 0.0754 -0.0538 -0.0142 0.0000
 -0.0798 0.0000 0.0000 -0.0880 -0.1908 0.2111 0.0000 0.5043
 0.0604 0.0415 0.0688 0.0318 0.1142 0.1035 0.0908 -0.0373
 0.0511 0.0454 0.0740 0.0994 0.0633 -0.1466 0.1279 0.0924 0.0514
 0.0340 0.2363 0.0415 0.0210 0.1008 0.1146 0.1931 0.0308 0.0000
 0.0190 0.0000 0.0000 -0.0490 0.0302 0.1660 0.0000 -0.1352
 -0.1418 -0.1250 -0.1706 -0.0953 -0.1747 -0.1679 -0.1884 -0.0452 -
 0.0595 -0.0437 -0.0863 -0.1874 -0.0790 0.0000 -0.0627 -0.1334 -0.0878
 -0.1246 -0.2721 0.0893 -0.1274 0.1118 -0.2499 -0.3088 -0.0907 0.0000
 -0.2616 0.0000 0.0000 -0.0500 -0.1709 -0.0660 0.0000 -0.0488
 -0.2151 -0.1605 -0.3348 -0.0889 -0.1440 -0.1629 -0.1816 -0.0922 -
 0.0291 -0.1120 -0.1121 -0.1657 -0.0970 0.0000 -0.1855 -0.1392 -0.1436
 -0.1904 -0.0808 -0.0198 -0.1311 -0.0811 -0.3053 -0.3691 -0.1150 0.0000
 0.0000 0.0000 0.0000 0.2323 -0.4208 0.0000 0.0000 0.0000
 0.0377 -0.1247 -0.0279 -0.0217 0.1184 -0.0959 -0.0298 -0.1111 -
 0.1048 -0.0508 -0.4068 -0.1203 -0.1698 0.0000 0.0918 -0.0431 -0.0750
 -0.2609 -0.2217 -0.0856 0.0273 -0.1787 -0.5343 -0.2328 -0.1109 0.0000
 0.0000 0.0000 0.0000 0.2563 0.2461 0.0000 0.0000 0.0000
 -0.1027 -0.1795 -0.0171 -0.0664 -0.0633 -0.1867 -0.2584 0.0447
 0.0239 0.0707 0.0065 -0.1448 0.1321 0.0000 0.2611 -0.1378 0.0100

-0.2942 0.2551 -0.0974 -0.1686 -0.1601 -0.0041 0.0013 -0.1441 0.0000
 0.0000 0.0000 0.0000 0.2693 0.2917 0.0000 0.0000 0.0000 0.0000
 -0.0710 -0.2144 -0.1191 -0.0477 0.0535 -0.2335 -0.1691 -0.0677 -
 0.0038 -0.1627 -0.0782 -0.1010 -0.0184 0.0000 0.0041 -0.1518 -0.1555
 -0.2243 0.0421 -0.1146 -0.1531 -0.3328 -0.0871 -0.1216 -0.1568 0.0000
 0.0000 0.0000 0.0000 -0.0320 0.2125 0.0000 0.0000 0.0000 0.0000
 0.0034 -0.0114 0.0134 0.0540 0.0791 0.1129 0.0627 -0.0313 -
 0.0389 0.0622 0.0616 0.0885 0.0214 0.0000 0.0989 0.0625 0.0348
 -0.0270 0.0344 0.0106 0.0322 0.0704 0.0700 0.2128 0.0134 0.0000
 0.2720 0.0000 0.0000 -0.0300 0.0857 -0.0508 0.0000 0.0000 0.0000
 -0.2495 -0.2025 -0.2311 -0.1883 0.0000 0.0000 -0.3595 -0.3635 -
 0.0406 0.1054 0.0000 0.0000 0.1084 0.0000 0.0000 -0.1282 -0.2436
 -0.8211 0.0000 -0.1144 -0.1211 0.4704 0.0000 0.0000 -0.4566 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0025 -0.0804 -0.0567 -0.0295 -0.1395 -0.1031 -0.0858 -0.0342
 0.0278 -0.0923 -0.1240 -0.0802 -0.1725 0.0000 0.0339 -0.0617 0.0007
 -0.0540 0.0278 -0.1681 -0.0708 -0.2352 -0.2038 0.0342 -0.1328 0.0000
 0.0000 0.0000 0.0000 0.3773 -0.1343 0.0000 0.0000 0.0000 0.0000
 0.0932 0.0766 0.1333 0.1093 0.1839 0.1765 0.1477 -0.0033
 0.0531 -0.0338 0.1234 0.0824 0.0422 0.0000 0.1337 0.0719 0.1040
 0.1213 0.0244 0.0039 0.0490 -0.0024 0.1957 0.2511 0.0568 0.0000
 0.5940 0.0000 0.0000 0.0659 0.1650 0.0807 0.0000 0.0000 0.0000
 -0.0353 -0.0593 -0.0194 -0.0189 0.0683 -0.0747 -0.0112 -0.1503 -
 0.1847 -0.0049 -0.1631 0.0709 -0.1093 0.0000 -0.1495 0.0064 -0.0899
 -0.0493 -0.3021 -0.0649 -0.0412 -0.0242 -0.0567 -0.1940 -0.1846 0.0000
 0.0000 0.0000 0.0000 0.1771 0.0237 0.0000 0.0000 0.0000 0.0000
 -0.0265 -0.1093 -0.0148 -0.0382 0.0101 -0.0486 -0.0383 -0.0489 -
 0.0053 -0.1185 -0.0177 -0.1222 -0.0423 0.0000 -0.0260 -0.0641 -0.0712
 -0.0963 0.0135 -0.1201 -0.1160 -0.0830 0.1331 -0.0140 -0.1350 0.0000
 0.0000 0.0000 0.0000 0.1478 0.2617 0.0220 0.0000 0.0000 0.0000
 0.0672 0.1329 0.0520 -0.0304 -0.0202 0.0858 0.2285 0.1604
 0.1678 0.1624 0.0000 -0.0123 0.1194 0.0000 -0.1347 0.1081 0.0866
 0.2376 0.0000 0.2332 0.1343 0.6276 0.0000 0.0000 0.1592 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0484 0.0000 0.0000 0.0000 0.0000
 -0.3962 -0.0519 -0.1421 -0.0513 0.1249 -0.1138 0.5425 0.0944
 0.1148 -0.0138 0.0000 -0.2072 -0.1044 0.0000 0.0000 0.3335 -0.1098
 -0.1092 0.0000 -0.1560 0.0432 0.2028 0.0000 0.0000 -0.2022 0.0000
 0.0000 0.0000 0.0000 -0.1854 0.1367 0.0000 0.0000 0.0000 0.0000
 -0.4482 -0.1674 -0.2208 -0.2395 -0.3592 -0.2857 -0.0695 -0.0335 -
 0.0837 -0.3385 0.0000 -0.1866 -0.1341 0.0000 -0.0060 -0.2524 -0.2014
 -0.2283 0.0000 -0.1380 -0.1751 0.0308 0.0000 0.0000 -0.2728 0.0000
 0.0000 0.0000 0.0000 0.0000 0.1518 0.0000 0.0000 0.0000 0.0000
 -0.0278 -0.0846 -0.0368 -0.0214 -0.0449 -0.0758 -0.0943 -0.0498
 0.0044 -0.0535 0.0107 -0.0462 -0.0140 0.0000 0.0440 -0.0434 -0.0407
 -0.0539 -0.0243 -0.0415 -0.0754 0.0080 -0.0688 0.0000 -0.0573 0.0000
 0.0000 0.0000 0.0000 0.0851 0.2047 0.0000 0.0000 0.0000 0.0000
 0.0267 0.0232 0.0052 0.0173 0.0431 0.0196 -0.0169 0.0803
 0.0524 0.0621 -0.0830 0.0014 -0.0294 0.0000 -0.0436 0.0265 0.0357
 0.0400 0.0869 0.0960 0.0431 0.1206 0.1058 -0.1277 0.0147 0.0000
 -0.1049 0.0000 0.0000 -0.0613 -0.0975 0.0488 0.0000 0.1897
 0.0505 0.0584 0.0681 0.0446 0.0923 0.1111 0.0945 0.0042
 0.0393 0.0507 -0.0016 0.1477 0.0650 0.3223 0.1047 0.0701 0.0480
 0.0350 0.1083 0.0559 0.0392 0.0356 0.1033 0.1876 0.0523 0.0000
 0.2456 0.0000 0.0000 -0.0696 0.0782 0.0804 0.0000 -0.1721
 -0.1152 -0.0995 -0.1407 -0.0696 -0.1146 -0.1289 -0.1277 -0.0712 -
 0.0809 -0.0452 0.0362 -0.1811 -0.0819 0.0000 -0.0753 -0.1140 -0.0698

-0.0676 -0.1659 0.0843 -0.1071 0.1060 -0.2434 -0.2319 -0.0947 0.0000
 -0.3953 0.0000 0.0000 -0.0611 -0.1326 -0.2553 0.0000 0.0019
 -0.2223 -0.1101 -0.2261 -0.0879 -0.2277 -0.1701 -0.2094 -0.0638 -
 0.0947 -0.1060 -0.1174 -0.1232 0.0027 0.0000 -0.1874 -0.0568 -0.1160
 -0.1523 -0.0176 -0.0027 -0.1233 0.0268 -0.2904 -0.1294 -0.1452 0.0000
 0.0000 0.0000 0.0000 -0.0561 0.0066 0.0000 0.0000 0.0000 0.0000
 -0.0015 -0.0826 -0.0452 0.0556 0.0641 -0.0179 -0.0205 -0.0830
 0.1223 0.0779 -0.2544 -0.0216 -0.1837 0.0000 0.0472 -0.0418 0.0212
 -0.1660 -0.2449 -0.1205 0.0242 -0.1210 -0.2904 -0.1614 -0.1905 0.0000
 0.0000 0.0000 0.0000 0.1967 0.2123 0.0000 0.0000 0.0000 0.0000
 -0.0220 -0.1646 0.0245 -0.0238 -0.0259 -0.1454 -0.1766 0.0550
 0.0736 0.0078 0.0842 -0.1297 0.1190 0.0000 0.1024 -0.0769 -0.0501
 -0.2455 0.2539 -0.0932 -0.1352 -0.2305 -0.1885 0.3620 -0.0111 0.0000
 0.0000 0.0000 0.0000 0.0182 0.3167 0.0000 0.0000 0.0000 0.0000
 -0.0957 -0.1782 -0.0811 -0.0522 -0.0582 -0.1379 -0.1063 -0.0820 -
 0.0925 -0.1690 -0.2630 -0.0934 -0.0125 0.0000 0.1157 -0.1696 -0.2014
 -0.1835 0.0846 -0.1712 -0.0939 -0.1295 0.0055 -0.0297 -0.1222 0.0000
 0.0000 0.0000 0.0000 0.1007 0.0098 0.0000 0.0000 0.0000 0.0000
 0.0022 -0.0031 0.0090 0.0581 0.0221 0.0791 0.0596 -0.0488 -
 0.0286 0.0060 -0.0681 0.1003 0.0441 0.0000 0.1516 0.0388 0.0173
 -0.0274 0.2149 -0.0132 0.0171 0.1223 0.0370 0.1074 -0.0229 0.0000
 0.2299 0.0000 0.0000 -0.0170 0.1588 0.0606 0.0000 0.0000 0.0000
 -0.3297 -0.4529 -0.0044 -0.0868 0.0000 0.0000 -0.5737 -0.1395 -
 0.1861 -0.0178 0.0000 0.0000 0.2042 0.0000 0.0000 0.0144 -0.2776
 -0.5246 0.0000 0.0797 0.0057 0.7049 0.0000 0.0000 -0.2387 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0101 -0.0706 -0.0465 -0.0379 0.0687 -0.0535 -0.0201 -0.0309
 0.0036 -0.1490 0.1072 -0.0968 -0.2058 0.0000 0.0452 -0.0981 -0.0679
 -0.0699 -0.1092 -0.1724 -0.0635 -0.2314 -0.2960 0.0769 -0.0877 0.0000
 0.0000 0.0000 0.0000 0.3315 -0.3730 0.0000 0.0000 0.0000 0.0000
 0.0760 0.0658 0.1032 0.0918 0.1278 0.1576 0.1476 0.0102
 0.0093 -0.0350 0.1022 0.1055 0.0133 0.0000 0.1061 0.0774 0.1001
 0.1405 0.0626 0.0013 0.0511 0.0364 0.0708 0.1557 0.0420 0.0000
 0.7273 0.0000 0.0000 -0.1494 0.0129 -0.0295 0.0000 0.0000 0.0000
 -0.0201 -0.0213 0.0282 0.0309 -0.0477 -0.0133 0.0330 -0.0930 -
 0.1502 -0.1303 -0.0839 -0.0020 -0.0719 0.0000 -0.0976 -0.0679 -0.0943
 -0.0940 -0.0286 -0.0317 -0.0201 0.0183 0.1052 0.2021 -0.1475 0.0000
 0.0000 0.0000 0.0000 0.3426 0.1853 0.0000 0.0000 0.0000 0.0000
 -0.0754 -0.0783 0.0172 -0.0492 -0.0145 -0.0748 -0.0064 -0.1145
 0.0106 -0.1847 -0.0506 -0.0742 -0.0213 0.0000 -0.0113 -0.0876 -0.0833
 -0.0627 -0.0543 -0.1233 -0.1001 -0.0241 -0.0668 -0.0055 -0.0985 0.0000
 0.0000 0.0000 0.0000 0.1439 0.2512 -0.0122 0.0000 0.0000 0.0000
 0.0854 0.1243 0.0403 -0.0412 0.0475 0.0120 0.0679 0.2462
 0.2343 -0.0166 0.0000 -0.1262 -0.0312 0.0000 -0.0899 0.1251 -0.0439
 0.1924 0.0000 0.1811 0.1783 0.1939 0.0000 0.0000 -0.1223 0.0000
 0.0000 0.0000 0.0000 0.0634 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.1660 -0.0198 -0.0888 -0.0438 0.3290 -0.0765 0.0990 -0.0239 -
 0.0672 0.2255 0.0000 -0.0661 -0.3586 0.0000 0.0000 0.1273 -0.2813
 0.0666 0.0000 0.1496 0.1892 0.3502 0.0000 0.0000 -0.2243 0.0000
 0.0000 0.0000 0.0000 0.0085 -0.2016 0.0000 0.0000 0.0000 0.0000
 -0.2618 -0.1827 -0.1955 -0.1543 -0.1404 -0.2557 -0.0431 -0.0303 -
 0.0003 -0.1902 0.0000 -0.1949 0.0198 0.0000 -0.0218 -0.2025 -0.1826
 -0.0994 0.0000 -0.1369 -0.1923 0.0142 0.0000 0.0000 -0.3058 0.0000
 0.0000 0.0000 0.0000 0.0000 0.3172 0.0000 0.0000 0.0000 0.0000
 -0.0463 -0.0459 -0.0183 -0.0077 -0.0130 -0.0168 -0.1284 0.0040 -
 0.0186 0.0219 -0.1009 -0.0529 0.0191 0.0000 0.0530 -0.0566 -0.0340

-0.0778 0.0405 -0.0074 -0.0328 0.0177 0.0298 0.0000 -0.0447 0.0000
 0.0000 0.0000 0.0000 -0.0048 0.1265 0.0000 0.0000 0.0000
 0.0327 0.0505 0.0138 0.0129 0.0178 0.0114 -0.0113 0.0745
 0.0621 0.0564 0.0089 0.0415 -0.0277 0.0000 -0.0522 -0.0091 0.0453
 0.0299 0.1087 0.0752 0.0285 0.1256 0.0564 -0.0578 0.0062 0.0000
 -0.0636 0.0000 0.0000 -0.0173 -0.0638 0.1571 0.0000 0.2310
 0.0520 0.0555 0.0598 0.0395 0.1013 0.0945 0.0641 0.0189
 0.0169 0.0593 -0.0529 0.1423 0.0315 0.0737 0.0640 0.0587 0.0423
 0.0314 0.0617 0.0525 0.0350 -0.0080 0.0749 0.1303 0.0360 0.0000
 0.0884 0.0000 0.0000 -0.0658 0.0822 -0.0036 0.0000 -0.1702
 -0.0989 -0.0819 -0.1197 -0.0492 -0.0744 -0.1102 -0.1201 -0.0833 -
 0.0792 -0.0159 -0.1207 -0.0994 -0.0804 0.0000 -0.0638 -0.0935 -0.0744
 -0.0628 -0.1018 0.0699 -0.0835 0.0056 -0.1551 -0.1768 -0.0950 0.0000
 -0.3728 0.0000 0.0000 -0.1024 -0.1217 -0.2176 0.0000 0.1657
 -0.2176 -0.0761 -0.1214 -0.0943 -0.2359 -0.1893 -0.1240 -0.0528 -
 0.1166 0.0088 -0.0615 -0.1678 -0.0306 0.0000 -0.0784 -0.0717 -0.0770
 -0.1097 -0.0527 -0.0356 -0.1145 0.0670 -0.0342 -0.1022 -0.1112 0.0000
 0.0000 0.0000 0.0000 0.1592 0.2046 0.0000 0.0000 0.0000
 0.0540 -0.0485 -0.0009 0.0416 -0.2204 -0.0614 0.0117 -0.0659
 0.1809 -0.0311 -0.0809 0.0350 -0.1405 0.0000 0.2433 -0.0290 -0.0573
 -0.0463 0.0397 -0.0897 -0.0047 -0.1602 -0.3972 -0.0620 -0.1160 0.0000
 0.0000 0.0000 0.0000 0.0293 0.1268 0.0000 0.0000 0.0000
 -0.0293 -0.1772 0.0024 -0.0136 0.0192 -0.1098 -0.2488 -0.0180
 0.0919 0.0013 -0.1871 -0.2619 0.0643 0.0000 0.0293 -0.0885 -0.0154
 -0.1153 0.0809 -0.0603 -0.1236 -0.2307 0.0527 0.3585 -0.0732 0.0000
 0.0000 0.0000 0.0000 -0.2062 0.1900 0.0000 0.0000 0.0000
 -0.0607 -0.1611 -0.0681 -0.0616 0.0695 -0.1553 -0.1891 -0.0790 -
 0.0231 -0.0358 -0.1866 -0.0440 0.0409 0.0000 0.0668 -0.1319 -0.2059
 -0.1157 0.1221 -0.1751 -0.1128 -0.0215 -0.0466 -0.0979 -0.0949 0.0000
 0.0000 0.0000 0.0000 0.2483 0.0786 0.0000 0.0000 0.0000
 0.0022 0.0150 0.0182 0.0553 0.0180 0.0804 0.0632 -0.0142 -
 0.0252 -0.0455 0.0205 0.0687 0.0505 0.0000 0.0739 0.0353 -0.0175
 -0.0021 0.1892 -0.0269 0.0092 0.0957 0.0004 0.1235 0.0004 0.0000
 0.0727 0.0000 0.0000 -0.0265 0.1631 0.1224 0.0000 0.0000
 -0.0486 -0.3871 -0.1402 -0.1250 0.0000 0.0000 -0.3585 -0.2225
 0.0392 0.1164 0.0000 0.0000 0.3883 0.0000 0.0000 -0.0642 -0.4686
 -0.6560 0.0000 0.0451 -0.2908 0.6599 0.0000 0.0000 -0.0094 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0302 -0.0469 -0.0732 -0.0510 0.0971 -0.1032 0.0121 -0.2331 -
 0.1123 -0.2340 0.0425 -0.0269 -0.1678 0.0000 -0.0561 -0.1019 -0.1211
 -0.0585 -0.2675 -0.1805 -0.0854 -0.1904 -0.1122 0.1485 -0.0751 0.0000
 0.0000 0.0000 0.0000 0.1122 -0.2366 0.0000 0.0000 0.0000
 0.0234 0.0446 0.0539 0.0272 0.0490 0.1087 0.1238 0.0056
 0.0060 -0.0658 0.0307 0.0437 -0.0383 0.0000 0.0461 0.0564 0.0637
 0.1164 0.0138 -0.0298 0.0159 0.0333 0.0204 0.0673 0.0186 0.0000
 0.5294 0.0000 0.0000 -0.0563 -0.0186 0.1204 0.0000 0.0000
 0.0270 -0.0248 -0.0207 0.0344 -0.1560 -0.0204 -0.0363 -0.0493 -
 0.0514 -0.1015 0.0510 0.0191 -0.0514 0.0000 0.1048 -0.0210 -0.1148
 -0.0360 0.0602 -0.0145 -0.0289 0.0040 -0.2375 0.0365 -0.0946 0.0000
 0.0000 0.0000 0.0000 -0.1002 0.1827 0.0000 0.0000 0.0000
 0.0176 -0.0742 -0.0100 -0.0353 0.0450 -0.0460 -0.0060 0.0128 -
 0.0883 -0.1753 -0.0831 -0.0230 -0.0143 0.0000 -0.0152 -0.1026 -0.0748
 -0.0420 -0.1512 -0.1308 -0.0904 -0.0174 -0.1181 0.0027 -0.0585 0.0000
 0.0000 0.0000 0.0000 0.1455 0.2348 0.0255 0.0000 0.0000
 0.0104 0.0818 -0.0698 0.0057 -0.1548 -0.1108 0.0288 0.1587
 0.1020 0.1115 0.0000 -0.1439 -0.0767 0.0000 -0.3527 0.1874 0.0461

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.1215 | 0.0000 | 0.0995 | 0.0409 | 0.3882 | 0.0000 | 0.0000 | -0.0110 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.1504 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0225 | -0.0076 | -0.0343 | -0.0551 | 0.3026 | -0.0758 | 0.1109 | 0.0140 | - |
| 0.1873 | 0.1767 | 0.0000 | -0.1464 | 0.1011 | 0.0000 | 0.0000 | 0.1545 | -0.3118 |
| 0.1152 | 0.0000 | 0.0254 | 0.0704 | 0.0689 | 0.0000 | 0.0000 | -0.2744 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1223 | -0.2073 | 0.0000 | 0.0000 | 0.0000 | |
| -0.2599 | -0.1586 | -0.2453 | -0.0118 | -0.0168 | -0.1483 | -0.0913 | 0.0076 | |
| 0.0372 | -0.0982 | 0.0000 | -0.1012 | 0.1322 | 0.0000 | -0.1120 | -0.1149 | -0.3168 |
| 0.0015 | 0.0000 | -0.0598 | -0.1179 | 0.0825 | 0.0000 | 0.0000 | -0.1688 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.8254 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0170 | -0.0550 | 0.0007 | -0.0296 | -0.0512 | -0.0655 | -0.0218 | -0.0101 | - |
| 0.0541 | -0.1198 | -0.1106 | -0.0829 | -0.0179 | 0.0000 | -0.0497 | -0.0773 | -0.0075 |
| -0.0382 | 0.0343 | -0.0381 | -0.0775 | 0.0559 | -0.0410 | 0.0000 | -0.0417 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.3366 | -0.0272 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0305 | 0.0419 | 0.0093 | 0.0068 | -0.0256 | 0.0055 | -0.0060 | 0.0623 | |
| 0.0721 | 0.0548 | 0.0130 | -0.0274 | -0.0468 | 0.0000 | 0.0042 | -0.0309 | 0.0282 |
| 0.0297 | 0.0907 | 0.0578 | 0.0207 | 0.0982 | 0.0403 | -0.1247 | -0.0061 | 0.0000 |
| -0.1518 | 0.0000 | 0.0000 | -0.0879 | -0.1183 | 0.1401 | 0.0000 | 0.1129 | |
| 0.0327 | 0.0294 | 0.0404 | 0.0185 | 0.0565 | 0.0690 | 0.0384 | -0.0052 | - |
| 0.0318 | 0.0327 | -0.0266 | 0.0817 | -0.0090 | 0.4053 | 0.0114 | 0.0584 | 0.0328 |
| 0.0301 | 0.0364 | 0.0213 | 0.0172 | -0.0359 | 0.0470 | 0.0195 | 0.0177 | 0.0000 |
| 0.2710 | 0.0000 | 0.0000 | -0.1036 | 0.0923 | 0.1191 | 0.0000 | 0.0998 | |
| -0.0517 | -0.0704 | -0.0870 | -0.0186 | -0.0679 | -0.1095 | -0.0791 | -0.0276 | - |
| 0.0242 | 0.0065 | -0.0894 | -0.1129 | -0.0881 | 0.0000 | -0.0613 | -0.0813 | -0.0701 |
| -0.0714 | -0.0351 | 0.0279 | -0.0676 | 0.0140 | -0.1097 | -0.2801 | -0.0938 | 0.0000 |
| -0.3854 | 0.0000 | 0.0000 | -0.1283 | -0.0761 | -0.1005 | 0.0000 | 0.2531 | |
| -0.2224 | -0.0816 | -0.0311 | -0.0788 | -0.1596 | -0.1244 | -0.0501 | -0.0772 | - |
| 0.0680 | -0.0586 | -0.0700 | -0.1214 | -0.0357 | 0.0000 | -0.1409 | -0.0726 | -0.1293 |
| -0.0315 | -0.0406 | -0.0320 | -0.0912 | 0.0658 | -0.0226 | -0.1000 | -0.0635 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1869 | 0.2206 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0222 | 0.0003 | -0.0015 | 0.0370 | 0.2464 | -0.0285 | -0.0846 | -0.0899 | |
| 0.0363 | -0.0743 | -0.0659 | 0.0605 | -0.1606 | 0.0000 | 0.1233 | -0.0082 | 0.0197 |
| 0.0771 | 0.2381 | -0.0960 | 0.0377 | -0.1580 | 0.0138 | -0.2540 | -0.0997 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1015 | -0.1935 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0367 | -0.1100 | -0.0363 | -0.0237 | 0.0588 | 0.0022 | -0.0856 | 0.0479 | |
| 0.0270 | -0.0596 | -0.1283 | -0.2615 | 0.0975 | 0.0000 | 0.1313 | -0.0695 | -0.0251 |
| -0.1234 | 0.2133 | -0.0390 | -0.0794 | -0.1878 | -0.1835 | -0.0142 | -0.0672 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1233 | 0.1757 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0691 | -0.1328 | -0.1403 | -0.0461 | 0.1219 | -0.1247 | -0.0889 | 0.0208 | - |
| 0.0141 | -0.0573 | -0.1366 | -0.1921 | 0.1033 | 0.0000 | 0.0047 | -0.1129 | -0.1419 |
| -0.0747 | 0.1192 | -0.1815 | -0.0924 | 0.0104 | 0.0988 | -0.2525 | -0.0859 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1058 | 0.1311 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0048 | 0.0184 | -0.0021 | 0.0174 | -0.0610 | 0.0517 | 0.0580 | -0.0220 | |
| 0.0117 | -0.0487 | 0.0716 | 0.0405 | -0.0035 | 0.0000 | 0.0462 | -0.0046 | -0.0086 |
| -0.0222 | 0.0390 | -0.0217 | -0.0163 | 0.1391 | -0.0106 | -0.0076 | 0.0091 | 0.0000 |
| 0.2734 | 0.0000 | 0.0000 | -0.0456 | 0.0494 | -0.1042 | 0.0000 | 0.0000 | |
| -0.0887 | -0.4079 | -0.0125 | 0.0085 | 0.0000 | 0.0000 | -0.2753 | -0.2672 | - |
| 0.0258 | -0.2890 | 0.0000 | 0.0000 | 0.0691 | 0.0000 | 0.0000 | -0.3376 | -0.4109 |
| -0.2864 | 0.0000 | 0.2284 | -0.1846 | 0.2331 | 0.0000 | 0.0000 | -0.2013 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0301 | -0.0382 | -0.0598 | -0.0727 | 0.0253 | -0.1555 | -0.1097 | -0.2358 | - |
| 0.1771 | -0.2401 | 0.0527 | -0.0282 | -0.1279 | 0.0000 | -0.0222 | -0.0634 | -0.0995 |
| -0.0832 | 0.1062 | -0.1689 | -0.0877 | -0.1642 | -0.0114 | -0.0386 | -0.0738 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1255 | -0.0072 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0147 | 0.0229 | 0.0216 | -0.0213 | 0.0291 | 0.0723 | 0.1008 | -0.0338 | - |
| 0.0056 | -0.0341 | 0.1935 | 0.0464 | -0.0447 | 0.0000 | -0.0341 | 0.0240 | 0.0109 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0905 | 0.0597 | -0.0576 | 0.0013 | -0.0040 | -0.0101 | 0.1227 | -0.0080 | 0.0000 |
| -0.0090 | 0.0000 | 0.0000 | -0.1541 | -0.0523 | 0.0800 | 0.0000 | 0.0000 | - |
| -0.0345 | -0.0197 | -0.0042 | -0.0234 | 0.0970 | 0.0203 | -0.0254 | -0.0896 | - |
| 0.0472 | -0.0658 | -0.1955 | -0.1001 | -0.0392 | 0.0000 | -0.0214 | -0.0133 | -0.0837 |
| -0.0235 | 0.2317 | -0.0365 | -0.0728 | 0.0163 | -0.1217 | -0.0943 | -0.1299 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0747 | 0.3997 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0071 | -0.0701 | 0.0031 | -0.0474 | -0.0041 | -0.0373 | -0.0109 | -0.0054 | - |
| 0.0337 | -0.1693 | -0.0737 | -0.0456 | -0.0392 | 0.0000 | -0.0881 | -0.0962 | -0.0836 |
| -0.0621 | -0.0498 | -0.1141 | -0.0970 | -0.0249 | -0.0932 | -0.0806 | -0.0705 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0894 | 0.1950 | 0.0381 | 0.0000 | 0.0000 | 0.0000 |
| 0.0436 | 0.1157 | -0.0749 | 0.1626 | -0.2016 | 0.0692 | 0.0715 | 0.3447 | |
| 0.2242 | 0.1570 | 0.0000 | 0.1664 | 0.0212 | 0.0000 | -0.2691 | 0.2002 | 0.0762 |
| 0.0673 | 0.0000 | 0.1240 | -0.0161 | 0.3493 | 0.0000 | 0.0000 | -0.0341 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.0347 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.1098 | -0.0232 | 0.1639 | -0.0057 | 0.4164 | -0.0295 | 0.0045 | 0.0834 | - |
| 0.2638 | 0.2749 | 0.0000 | -0.2075 | 0.0295 | 0.0000 | 0.0000 | 0.0751 | -0.1998 |
| 0.2334 | 0.0000 | -0.0413 | -0.0310 | -0.1747 | 0.0000 | 0.0000 | -0.3822 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.4626 | 0.1825 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.3881 | -0.1827 | -0.2074 | 0.0655 | 0.0257 | -0.0333 | -0.0960 | 0.0046 | |
| 0.1716 | -0.2681 | 0.0000 | 0.0130 | 0.1296 | 0.0000 | -0.1081 | -0.0986 | -0.1572 |
| 0.0481 | 0.0000 | -0.0216 | -0.2216 | -0.1625 | 0.0000 | 0.0000 | -0.2385 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0503 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0551 | -0.0131 | -0.0294 | -0.0288 | -0.0448 | -0.0485 | -0.0345 | 0.0036 | - |
| 0.0648 | -0.0204 | -0.1487 | -0.0884 | -0.0669 | 0.0000 | -0.1438 | -0.0353 | -0.0023 |
| -0.0583 | -0.0262 | 0.0132 | -0.0588 | 0.0135 | -0.1297 | 0.0000 | -0.0385 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1882 | 0.0942 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.0246 | 0.0417 | 0.0216 | 0.0032 | -0.0317 | -0.0037 | -0.0093 | 0.0646 | |
| 0.0481 | 0.0240 | 0.0367 | -0.0422 | -0.0507 | 0.0000 | 0.0129 | -0.0314 | 0.0070 |
| 0.0393 | 0.0724 | 0.0395 | 0.0129 | 0.0612 | 0.0067 | -0.0442 | -0.0516 | 0.0000 |
| -0.1253 | 0.0000 | 0.0000 | -0.0899 | -0.0798 | 0.0960 | 0.0000 | -0.3954 | |
| 0.0211 | 0.0269 | 0.0214 | 0.0056 | 0.0122 | 0.0624 | 0.0447 | 0.0028 | - |
| 0.0429 | -0.0127 | -0.0289 | 0.0555 | -0.0064 | 0.1227 | 0.0591 | 0.0231 | 0.0063 |
| 0.0396 | 0.0677 | 0.0030 | 0.0036 | -0.0154 | -0.0428 | -0.0168 | 0.0159 | 0.0000 |
| 0.0891 | 0.0000 | 0.0000 | -0.0898 | 0.1110 | -0.0235 | 0.0000 | -0.0093 | |
| -0.0555 | -0.0660 | -0.0609 | -0.0386 | -0.0519 | -0.0236 | -0.0380 | -0.0512 | - |
| 0.0397 | 0.0158 | -0.0085 | -0.0914 | -0.0637 | 0.0000 | -0.0455 | -0.0757 | -0.0557 |
| -0.0287 | 0.0224 | 0.0090 | -0.0574 | 0.0348 | -0.1186 | -0.2241 | -0.0506 | 0.0000 |
| -0.0984 | 0.0000 | 0.0000 | -0.0055 | -0.1566 | 0.1387 | 0.0000 | 0.4620 | |
| -0.2576 | -0.0581 | -0.0418 | -0.0641 | -0.1429 | -0.0954 | -0.0038 | -0.0635 | |
| 0.0132 | -0.1000 | -0.0682 | -0.0789 | -0.0246 | 0.0000 | -0.0619 | -0.0764 | -0.0915 |
| -0.0083 | 0.0644 | -0.0062 | -0.0959 | 0.0527 | -0.0976 | 0.0053 | -0.0412 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0280 | 0.2953 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.0525 | 0.0298 | -0.0277 | -0.0117 | 0.1302 | -0.0993 | 0.0100 | -0.2766 | - |
| 0.0070 | -0.1635 | 0.0365 | -0.0523 | -0.0937 | 0.0000 | 0.0210 | -0.0278 | -0.0433 |
| -0.0093 | 0.2145 | -0.1006 | -0.0154 | -0.1947 | -0.0598 | -0.1724 | -0.0282 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1516 | -0.4718 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.0297 | -0.1039 | -0.0498 | 0.0302 | 0.1034 | -0.0043 | 0.0340 | -0.0074 | - |
| 0.1023 | -0.0938 | 0.1937 | -0.0544 | 0.0402 | 0.0000 | 0.0097 | -0.0858 | -0.0011 |
| -0.0764 | 0.0705 | -0.0777 | -0.0811 | -0.1152 | -0.0150 | -0.1775 | -0.0987 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1887 | 0.0603 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0543 | -0.1041 | -0.0983 | -0.0057 | 0.0323 | -0.1300 | -0.0614 | -0.0072 | - |
| 0.0895 | -0.1131 | 0.2430 | -0.1473 | 0.0521 | 0.0000 | -0.0288 | -0.1489 | -0.0398 |
| -0.0980 | 0.0665 | -0.1577 | -0.0707 | -0.0157 | -0.0383 | -0.2401 | -0.1224 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0781 | 0.3036 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| -0.0108 | 0.0076 | -0.0156 | -0.0168 | -0.0006 | 0.0451 | 0.0468 | -0.0067 | |
| 0.0374 | -0.0409 | -0.0074 | 0.0482 | -0.0191 | 0.0000 | 0.0439 | -0.0292 | -0.0240 |

-0.0335 -0.1388 0.0007 -0.0266 0.1173 -0.0744 -0.0564 0.0083 0.0000
 0.1248 0.0000 0.0000 -0.1224 0.0505 0.0160 0.0000 0.0000
 -0.0959 -0.1775 0.2593 -0.0547 0.0000 0.0000 -0.0954 -0.3029 -
 0.2979 -0.4809 0.0000 0.0000 0.1248 0.0000 0.0000 -0.1257 -0.0867
 0.0204 0.0000 0.5313 -0.1917 -0.1473 0.0000 0.0000 -0.0134 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0730 -0.0461 -0.0391 -0.0892 -0.0131 -0.0778 -0.0219 -0.1124 -
 0.0497 -0.2215 0.0047 0.0470 -0.1124 0.0000 -0.1387 -0.0701 -0.0850
 -0.0143 -0.1371 -0.1364 -0.0358 -0.2392 -0.1463 -0.2233 -0.1354 0.0000
 0.0000 0.0000 0.0000 0.0601 0.0433 0.0000 0.0000 0.0000 0.0000
 -0.0413 0.0004 0.0090 -0.0308 0.0789 0.0539 0.0487 -0.0184 -
 0.0720 -0.0314 0.0772 0.0097 -0.0224 0.0000 0.0025 0.0104 -0.0323
 0.0059 0.0620 -0.0497 -0.0165 -0.0255 -0.0532 0.0396 0.0133 0.0000
 0.0553 0.0000 0.0000 -0.0884 0.0162 -0.0418 0.0000 0.0000 0.0000
 0.0308 -0.0237 -0.0556 -0.0312 0.1099 0.0099 0.0818 -0.0064 -
 0.0591 -0.1689 -0.2221 0.0057 -0.0411 0.0000 -0.0328 -0.0522 -0.0503
 -0.0775 0.2344 -0.0244 -0.0704 0.0628 -0.0849 -0.1488 -0.0840 0.0000
 0.0000 0.0000 0.0000 -0.1338 0.2269 0.0000 0.0000 0.0000 0.0000
 -0.0175 -0.0702 -0.0063 -0.0470 -0.0013 -0.0637 -0.0415 -0.0840 -
 0.1216 -0.1051 -0.1301 -0.0432 -0.0418 0.0000 -0.0538 -0.0829 -0.0716
 -0.0449 -0.1471 -0.0985 -0.0863 -0.0618 -0.0460 -0.0656 -0.0675 0.0000
 0.0000 0.0000 0.0000 0.1134 0.1934 -0.1246 0.0000 0.0000 0.0000
 0.0505 0.0542 -0.0435 0.0453 0.0141 0.1000 0.2907 0.1661
 0.1266 0.1537 0.0000 0.2184 -0.2004 0.0000 0.0480 0.0746 -0.0975
 0.1566 0.0000 0.0005 0.0017 0.3972 0.0000 0.0000 -0.0086 0.0000
 0.0000 0.0000 0.0000 0.0000 0.1378 0.0000 0.0000 0.0000 0.0000
 0.0043 0.0523 0.2290 0.0522 0.4551 0.2512 0.0682 0.0151
 0.0730 0.2058 0.0000 -0.2463 -0.0964 0.0000 0.0000 0.0292 -0.2303
 0.0747 0.0000 -0.0610 -0.0322 0.0484 0.0000 0.0000 -0.4428 0.0000
 0.0000 0.0000 0.0000 -0.2660 0.1633 0.0000 0.0000 0.0000 0.0000
 -0.4658 -0.0990 -0.0674 0.0228 -0.0022 -0.1115 -0.1882 -0.0996
 0.0068 -0.0993 0.0000 -0.2229 0.0912 0.0000 -0.1137 -0.0165 -0.1100
 0.0352 0.0000 -0.0563 -0.2127 0.0035 0.0000 0.0000 -0.0826 0.0000
 0.0000 0.0000 0.0000 0.0000 0.3916 0.0000 0.0000 0.0000 0.0000
 -0.0435 -0.0476 -0.0061 -0.0276 -0.0143 -0.0612 -0.0187 -0.0183 -
 0.1018 -0.0307 -0.1703 -0.0620 -0.0306 0.0000 0.0524 -0.0358 0.0443
 -0.0827 -0.0420 0.0093 -0.0563 -0.0319 -0.0249 0.0000 -0.0328 0.0000
 0.0000 0.0000 0.0000 -0.1031 0.0066 0.0000 0.0000 0.0000 0.0000
 0.0265 0.0393 0.0332 0.0033 0.0102 -0.0256 -0.0182 0.0614
 0.0370 0.0169 -0.0170 -0.0058 -0.0287 0.0000 0.0052 -0.0345 -0.0217
 0.0274 -0.0131 0.0183 0.0168 0.0441 -0.0177 0.0201 -0.0029 0.0000
 -0.1574 0.0000 0.0000 -0.0281 -0.0239 0.0103 0.0000 -0.3123
 0.0032 0.0191 0.0094 -0.0010 0.0062 0.0538 0.0279 -0.0172 -
 0.0419 -0.0490 -0.0495 0.0382 0.0017 0.0004 0.0943 -0.0050 -0.0111
 0.0343 0.0675 0.0087 -0.0154 0.0006 -0.0742 0.0409 0.0012 0.0000
 0.0476 0.0000 0.0000 -0.1006 0.0481 -0.0413 0.0000 0.1006
 -0.0204 -0.0449 -0.0459 -0.0507 -0.0323 -0.0143 -0.0365 -0.0676 -
 0.0576 0.0165 -0.0891 -0.0645 -0.0238 0.0000 0.0183 -0.0496 -0.0419
 -0.0055 0.0931 0.0396 -0.0453 0.0472 -0.0487 -0.2183 -0.0620 0.0000
 -0.2545 0.0000 0.0000 0.0119 -0.0545 0.1403 0.0000 0.2010
 -0.2375 -0.0564 -0.0492 -0.0569 -0.0903 0.0185 0.0107 -0.0395
 0.0274 -0.1103 0.0644 -0.0009 0.0180 0.0000 0.0483 -0.0277 -0.0874
 -0.0067 0.0481 0.0031 -0.0750 0.0870 -0.0484 -0.1052 -0.0696 0.0000
 0.0000 0.0000 0.0000 -0.0302 0.2824 0.0000 0.0000 0.0000 0.0000
 0.0495 0.0284 -0.0468 -0.0132 0.2123 -0.0189 0.0589 -0.0579 -
 0.0876 -0.2711 -0.0363 -0.0506 -0.0060 0.0000 -0.1288 -0.0402 0.0127

-0.0340 0.1959 -0.1320 0.0101 -0.1303 0.2684 0.0957 -0.0193 0.0000
 0.0000 0.0000 0.0000 0.2644 -0.2530 0.0000 0.0000 0.0000 0.0000
 0.0240 -0.0922 -0.0846 0.0196 -0.0055 0.0142 -0.0397 0.1229 -
 0.0203 -0.0744 0.0405 0.0042 0.0497 0.0000 -0.0996 -0.0840 -0.0298
 -0.1068 0.2182 -0.0693 -0.0281 -0.1006 0.1911 -0.2215 -0.1045 0.0000
 0.0000 0.0000 0.0000 0.4653 0.1742 0.0000 0.0000 0.0000 0.0000
 -0.0576 -0.0933 -0.0520 -0.0292 0.0444 -0.0699 -0.1169 0.0545 -
 0.0684 -0.1625 -0.0236 -0.0913 0.0342 0.0000 0.0333 -0.0735 -0.0063
 -0.0913 -0.0033 -0.0901 -0.0778 -0.0561 0.2067 -0.3384 -0.0749 0.0000
 0.0000 0.0000 0.0000 0.2169 0.2633 0.0000 0.0000 0.0000 0.0000
 -0.0166 0.0035 -0.0224 -0.0178 0.0058 0.0246 0.0235 0.0011
 0.0087 -0.0180 -0.0080 0.0593 -0.0125 0.0000 0.0374 -0.0125 -0.0102
 -0.0285 0.0410 -0.0092 -0.0236 0.0547 -0.0543 0.0062 0.0155 0.0000
 0.0881 0.0000 0.0000 -0.1895 0.0394 -0.2482 0.0000 0.0000 0.0000
 -0.1003 -0.1522 0.2703 0.0138 0.0000 0.0000 0.0770 0.1585 -
 0.5260 -0.3214 0.0000 0.0000 -0.0261 0.0000 0.0000 -0.3004 0.1248
 -0.1505 0.0000 0.5827 -0.0394 0.0508 0.0000 0.0000 -0.1280 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0375 -0.0082 -0.0526 -0.0461 0.0490 -0.1287 0.0120 0.0197 -
 0.0658 -0.0734 -0.1960 -0.0094 -0.0402 0.0000 -0.1026 -0.0587 -0.0126
 0.0499 -0.0374 -0.1154 -0.0118 -0.1756 -0.0160 -0.1482 -0.0556 0.0000
 0.0000 0.0000 0.0000 0.1189 0.1513 0.0000 0.0000 0.0000 0.0000
 -0.0422 -0.0140 0.0023 -0.0341 0.0814 0.0162 0.0235 -0.0889 -
 0.0745 0.0021 -0.0269 0.0125 -0.0243 0.0000 0.0512 0.0245 -0.0104
 0.0006 0.0793 -0.0332 -0.0275 0.0418 -0.0526 0.0419 -0.0005 0.0000
 -0.1189 0.0000 0.0000 -0.1708 0.0474 -0.1307 0.0000 0.0000 0.0000
 0.0331 -0.0177 -0.0771 -0.0338 -0.0208 0.0481 0.0364 -0.0751 -
 0.1364 -0.0830 -0.1615 -0.0163 -0.0372 0.0000 -0.0710 0.0042 -0.0419
 -0.1036 0.0249 -0.0021 -0.0191 0.0894 -0.1593 -0.3025 -0.0862 0.0000
 0.0000 0.0000 0.0000 0.0685 0.1317 0.0000 0.0000 0.0000 0.0000
 -0.0380 -0.0518 0.0052 -0.0586 0.0031 -0.0774 -0.0548 0.0265 -
 0.0243 -0.1413 -0.0388 -0.0551 -0.0502 0.0000 -0.0908 -0.0476 -0.0655
 -0.0518 -0.1535 -0.0717 -0.0865 -0.0525 -0.0450 -0.0131 -0.0381 0.0000
 0.0000 0.0000 0.0000 0.0415 0.1651 0.0861 0.0000 0.0000 0.0000
 -0.0269 0.0406 0.0448 -0.0393 0.0698 -0.0132 0.1053 0.2543
 0.1507 0.1746 0.0000 -0.1310 0.0476 0.0000 0.3363 0.1508 -0.0333
 0.1656 0.0000 0.0446 -0.0956 -0.0252 0.0000 0.0000 0.0055 0.0000
 0.0000 0.0000 0.0000 0.0000 0.4968 0.0000 0.0000 0.0000 0.0000
 0.0104 0.0593 0.2307 0.0672 0.3883 -0.0266 0.2643 0.0792 -
 0.0322 0.1807 0.0000 -0.4178 0.0194 0.0000 0.0000 0.0498 -0.0585
 -0.0298 0.0000 -0.0544 -0.0633 0.0314 0.0000 0.0000 -0.1632 0.0000
 0.0000 0.0000 0.0000 0.0971 -0.0286 0.0000 0.0000 0.0000 0.0000
 -0.2894 -0.0967 0.0444 0.0776 0.2103 -0.0278 -0.2171 0.1732
 0.0244 -0.1721 0.0000 0.0117 0.1641 0.0000 0.0341 -0.0694 -0.0145
 -0.0560 0.0000 -0.0015 -0.0985 0.1347 0.0000 0.0000 -0.1061 0.0000
 0.0000 0.0000 0.0000 0.0000 0.2879 0.0000 0.0000 0.0000 0.0000
 -0.0322 -0.0251 0.0057 -0.0376 0.0453 -0.0010 -0.0219 -0.0763 -
 0.0585 -0.0964 -0.2040 -0.0215 -0.0689 0.0000 -0.0256 -0.0486 -0.0386
 -0.0280 0.0443 -0.0381 -0.0495 0.0198 -0.0158 0.0000 -0.0305 0.0000
 0.0000 0.0000 0.0000 0.0038 -0.0361 0.0000 0.0000 0.0000 0.0000
 0.0331 0.0365 0.0400 0.0162 0.0202 -0.0276 0.0027 0.0280
 0.0118 -0.0061 0.0032 0.0224 0.0130 0.0000 0.0084 -0.0325 -0.0231
 0.0176 -0.0096 0.0069 0.0176 0.0323 -0.0343 0.0043 0.0044 0.0000
 0.0039 0.0000 0.0000 0.0313 -0.0087 0.0571 0.0000 -0.2108 -
 -0.0086 0.0045 -0.0008 -0.0069 0.0161 0.0345 -0.0195 -0.0198 -
 0.0101 -0.0511 -0.0452 0.0209 -0.0078 -0.0486 0.0705 -0.0163 -0.0221

-0.0068 0.0513 0.0044 -0.0132 0.0135 -0.0059 -0.0166 0.0077 0.0000
 -0.0221 0.0000 0.0000 -0.0846 -0.0232 -0.0662 0.0000 0.0705
 -0.0138 -0.0179 -0.0228 -0.0423 0.0023 -0.0026 0.0073 -0.0417 -
 0.0439 0.0124 0.0200 -0.0550 0.0056 0.0000 -0.0311 -0.0151 -0.0317
 0.0123 0.1015 0.0340 -0.0295 0.0881 0.1101 -0.1971 -0.0544 0.0000
 0.0045 0.0000 0.0000 -0.0401 -0.0307 -0.0071 0.0000 -0.0118
 -0.1722 -0.0320 -0.0629 -0.0168 -0.0253 0.0032 0.0274 -0.0024
 0.0070 -0.1430 -0.0905 -0.0561 0.0812 0.0000 -0.0121 -0.0183 -0.0950
 0.0167 -0.0688 -0.0070 -0.0582 0.0827 0.0274 0.0741 -0.1563 0.0000
 0.0000 0.0000 0.0000 0.1018 0.1873 0.0000 0.0000 0.0000
 -0.0195 -0.0078 -0.0003 -0.0008 0.2608 0.0192 0.0210 -0.0825 -
 0.1004 -0.1105 0.0598 -0.0049 -0.0346 0.0000 0.0434 -0.0411 -0.0228
 0.0818 0.0539 -0.1417 -0.0067 -0.1622 0.1769 0.0949 0.0513 0.0000
 0.0000 0.0000 0.0000 0.1379 0.2069 0.0000 0.0000 0.0000
 -0.0158 -0.0917 -0.0721 0.0332 -0.0473 -0.0566 -0.1118 0.0818
 0.0125 -0.1360 0.1929 -0.0119 0.0836 0.0000 -0.1037 -0.0796 -0.1168
 0.0059 0.2221 -0.0816 -0.0789 -0.0382 0.0568 -0.1997 0.0390 0.0000
 0.0000 0.0000 0.0000 -0.0389 0.2299 0.0000 0.0000 0.0000
 -0.0281 -0.0891 -0.0198 -0.0011 -0.0128 -0.1022 -0.1109 0.0889 -
 0.0110 -0.1249 -0.0042 -0.1572 0.0606 0.0000 -0.0155 -0.0766 0.0283
 -0.0792 0.2839 -0.0058 -0.0465 -0.0312 0.0461 -0.2350 -0.0149 0.0000
 0.0000 0.0000 0.0000 0.0392 0.2529 0.0000 0.0000 0.0000
 -0.0079 -0.0187 -0.0167 -0.0392 0.0043 0.0128 0.0011 0.0009 -
 0.0123 -0.0131 -0.0563 0.0322 0.0104 0.0000 0.0454 -0.0081 0.0121
 0.0083 0.0402 0.0047 -0.0268 -0.0136 -0.0309 0.1160 0.0028 0.0000
 -0.2075 0.0000 0.0000 -0.1073 0.0998 -0.0996 0.0000 0.0000
 0.0571 -0.0794 0.1820 0.1760 0.0000 0.0000 0.1119 -0.0105 -
 0.3450 -0.4628 0.0000 0.0000 -0.1730 0.0000 0.0000 0.0085 0.2073
 0.0437 0.0000 0.7113 -0.0032 0.8090 0.0000 0.0000 -0.0731 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0466 0.0146 -0.0495 -0.0281 0.1891 -0.1112 -0.0223 -0.0952 -
 0.0714 -0.0524 -0.2584 -0.1012 -0.0164 0.0000 -0.0296 -0.0101 -0.0015
 0.0164 0.1524 -0.1037 0.0133 -0.1224 -0.0427 -0.1818 -0.0720 0.0000
 0.0000 0.0000 0.0000 0.0551 0.1194 0.0000 0.0000 0.0000
 -0.0477 -0.0174 -0.0102 -0.0407 0.0340 0.0168 -0.0022 -0.0790 -
 0.0718 0.0176 -0.0994 -0.0086 -0.0387 0.0000 -0.0223 0.0036 -0.0147
 -0.0061 0.0323 -0.0175 -0.0290 0.0696 -0.0405 -0.0362 -0.0162 0.0000
 0.1320 0.0000 0.0000 -0.0743 0.0535 -0.1036 0.0000 0.0000
 0.0079 -0.0083 -0.0061 -0.0283 -0.0858 0.0434 -0.0174 -0.0584 -
 0.1048 -0.0729 -0.0425 -0.0561 -0.0240 0.0000 -0.0210 -0.0072 -0.0301
 -0.0032 -0.1872 0.0082 0.0263 0.0066 -0.1893 -0.1640 0.0158 0.0000
 0.0000 0.0000 0.0000 0.3073 0.0442 0.0000 0.0000 0.0000
 0.0371 -0.0418 0.0017 -0.0452 -0.0188 -0.0284 -0.0291 -0.0565 -
 0.0629 -0.1166 -0.1156 -0.0176 0.0089 0.0000 -0.0206 -0.0408 -0.0489
 -0.0432 -0.0851 -0.0264 -0.0575 -0.0837 0.0745 -0.0694 -0.0352 0.0000
 0.0000 0.0000 0.0000 0.0262 0.1627 -0.0714 0.0000 0.0000
 0.0411 0.0500 0.0422 -0.0952 0.0490 -0.0516 -0.0361 0.1771
 0.0002 0.1395 0.0000 -0.2249 0.0411 0.0000 0.1730 -0.0282 -0.0941
 0.1237 0.0000 0.1489 0.0284 0.0356 0.0000 0.0000 0.0633 0.0000
 0.0000 0.0000 0.0000 0.0000 0.4831 0.0000 0.0000 0.0000
 -0.0244 0.1074 0.1386 0.0500 0.3740 0.1819 -0.0911 0.0628
 0.0655 0.1100 0.0000 -0.2161 -0.0907 0.0000 0.0000 -0.0240 -0.1614
 -0.1074 0.0000 -0.1063 0.1235 -0.2541 0.0000 0.0000 -0.2402 0.0000
 0.0000 0.0000 0.0000 0.4560 0.4203 0.0000 0.0000 0.0000
 -0.0946 -0.0330 0.1224 0.0536 0.1924 -0.0504 -0.2574 -0.0722 -
 0.0029 -0.1703 0.0000 0.0696 0.1347 0.0000 -0.0001 -0.0898 -0.0756

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0361 | 0.0000 | 0.0172 | -0.1430 | 0.1491 | 0.0000 | 0.0000 | -0.0706 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4563 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0218 | -0.0074 | 0.0418 | -0.0383 | -0.0440 | 0.0682 | -0.0168 | -0.0546 | - |
| 0.0877 | -0.0612 | -0.1016 | -0.0327 | -0.0383 | 0.0000 | -0.0270 | -0.0256 | -0.0725 |
| -0.0322 | -0.0568 | 0.0001 | -0.0277 | -0.0347 | -0.0170 | 0.0000 | -0.0316 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0783 | 0.0304 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0229 | 0.0281 | 0.0317 | 0.0196 | 0.0012 | -0.0221 | -0.0043 | 0.0309 | - |
| 0.0018 | 0.0207 | -0.0001 | -0.0020 | 0.0048 | 0.0000 | -0.0033 | -0.0250 | -0.0417 |
| 0.0224 | 0.0755 | -0.0094 | 0.0114 | 0.0279 | -0.0156 | 0.0581 | -0.0339 | 0.0000 |
| -0.0753 | 0.0000 | 0.0000 | 0.0022 | -0.0715 | 0.0420 | 0.0000 | -0.1065 | |
| -0.0217 | -0.0001 | 0.0009 | -0.0161 | 0.0337 | 0.0338 | -0.0087 | 0.0002 | |
| 0.0050 | -0.0715 | -0.0560 | 0.0109 | -0.0248 | -0.1895 | 0.0123 | -0.0204 | -0.0323 |
| -0.0193 | 0.0198 | -0.0183 | -0.0167 | 0.0170 | -0.0559 | 0.0129 | -0.0141 | 0.0000 |
| -0.1026 | 0.0000 | 0.0000 | -0.0893 | -0.0087 | -0.1097 | 0.0000 | -0.1117 | |
| 0.0132 | 0.0125 | 0.0073 | -0.0163 | 0.0240 | 0.0191 | 0.0196 | 0.0362 | - |
| 0.0900 | 0.0088 | -0.0237 | 0.0043 | 0.0110 | 0.0000 | 0.0641 | 0.0002 | -0.0040 |
| 0.0230 | 0.1727 | 0.0202 | -0.0246 | 0.0568 | 0.0346 | -0.1384 | -0.0532 | 0.0000 |
| -0.0834 | 0.0000 | 0.0000 | 0.0493 | 0.0300 | -0.0207 | 0.0000 | -0.2247 | |
| -0.0908 | -0.0404 | -0.0217 | -0.0037 | 0.0150 | -0.0057 | 0.0078 | 0.0301 | - |
| 0.0439 | -0.0271 | -0.1016 | -0.0350 | 0.0957 | 0.0000 | -0.0772 | -0.0151 | -0.0420 |
| 0.0254 | -0.1529 | 0.0056 | -0.0677 | 0.0047 | -0.1034 | -0.0359 | -0.0939 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0229 | 0.2523 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0240 | -0.0004 | -0.0392 | -0.0569 | 0.1142 | -0.0769 | 0.0561 | -0.0180 | - |
| 0.0443 | -0.0647 | -0.2055 | -0.0482 | -0.0352 | 0.0000 | -0.2107 | -0.0227 | -0.0717 |
| 0.0498 | 0.0491 | -0.1252 | -0.0294 | -0.1418 | -0.2778 | -0.0048 | -0.0473 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0307 | 0.6163 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0056 | -0.0623 | -0.0233 | 0.0334 | -0.0151 | -0.0351 | -0.0182 | 0.0932 | |
| 0.0747 | -0.1086 | 0.3365 | -0.0008 | 0.1691 | 0.0000 | 0.1679 | -0.0860 | -0.0814 |
| 0.0260 | 0.1979 | -0.0328 | -0.0538 | -0.0229 | 0.3517 | -0.3401 | -0.0388 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2717 | 0.5970 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0112 | -0.0925 | 0.0033 | -0.0032 | 0.0025 | -0.0928 | -0.0268 | 0.0612 | |
| 0.0342 | -0.0997 | 0.0037 | -0.1018 | 0.0104 | 0.0000 | 0.0032 | -0.0416 | 0.0066 |
| -0.0893 | 0.0910 | 0.0168 | -0.0170 | 0.0332 | -0.0032 | -0.1930 | -0.0786 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0296 | 0.1269 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0213 | -0.0161 | -0.0242 | -0.0531 | -0.0188 | 0.0016 | -0.0171 | -0.0243 | - |
| 0.0556 | -0.0523 | -0.0720 | 0.0110 | -0.0167 | 0.0000 | -0.0289 | -0.0023 | -0.0070 |
| -0.0109 | 0.0860 | 0.0161 | -0.0291 | 0.0128 | 0.0602 | 0.0732 | 0.0007 | 0.0000 |
| -0.1471 | 0.0000 | 0.0000 | -0.0309 | 0.1143 | -0.0113 | 0.0000 | 0.0000 | |
| -0.1459 | -0.1672 | 0.3273 | 0.1105 | 0.0000 | 0.0000 | 0.2271 | 0.2992 | - |
| 0.3421 | -0.2400 | 0.0000 | 0.0000 | -0.1871 | 0.0000 | 0.0000 | -0.0573 | -0.1037 |
| 0.0296 | 0.0000 | 0.5832 | -0.1037 | 0.7337 | 0.0000 | 0.0000 | -0.2532 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0213 | 0.0024 | -0.0364 | -0.0408 | 0.1555 | -0.0495 | -0.0421 | 0.0034 | - |
| 0.0079 | -0.0159 | -0.3105 | -0.0791 | 0.0056 | 0.0000 | -0.1038 | -0.0629 | -0.0370 |
| -0.0623 | -0.0730 | -0.1181 | 0.0142 | -0.1112 | -0.0019 | 0.1171 | -0.0288 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1811 | 0.2579 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0517 | -0.0233 | -0.0182 | -0.0307 | -0.0384 | -0.0202 | -0.0292 | -0.0636 | - |
| 0.0514 | -0.0210 | -0.1325 | 0.0743 | -0.0345 | 0.0000 | -0.0106 | 0.0074 | -0.0266 |
| -0.0273 | 0.0523 | -0.0118 | -0.0237 | 0.0497 | 0.0042 | -0.0232 | 0.0120 | 0.0000 |
| -0.0656 | 0.0000 | 0.0000 | -0.1006 | -0.1091 | -0.0407 | 0.0000 | 0.0000 | |
| 0.0248 | -0.0148 | 0.0088 | -0.0187 | -0.0068 | -0.0360 | -0.0376 | 0.0185 | |
| 0.0030 | -0.0489 | 0.0695 | -0.0645 | 0.0237 | 0.0000 | 0.0643 | 0.0279 | -0.0016 |
| -0.0461 | -0.2145 | 0.0194 | -0.0153 | -0.0014 | 0.0084 | -0.1104 | -0.0376 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0534 | 0.0819 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0052 | -0.0515 | -0.0183 | -0.0341 | -0.0180 | -0.0445 | -0.0674 | -0.0473 | |
| 0.0055 | -0.0910 | -0.0743 | -0.0312 | 0.0055 | 0.0000 | -0.0281 | -0.0033 | -0.0454 |

-0.0720 -0.1026 -0.0142 -0.0609 -0.1015 0.0030 0.0045 -0.0464 0.0000
 0.0000 0.0000 0.0000 -0.0199 0.0985 0.1095 0.0000 0.0000
 -0.0402 0.0485 0.0006 -0.0063 0.0130 0.0620 -0.0150 0.2146 -
 0.0715 0.0207 0.0000 0.2059 0.0429 0.0000 0.2644 -0.0925 -0.0431
 0.2245 0.0000 0.1390 0.0408 -0.0903 0.0000 0.0000 -0.0176 0.0000
 0.0000 0.0000 0.0000 0.0000 0.4909 0.0000 0.0000 0.0000
 0.1147 0.0934 0.0381 0.0053 0.2239 0.0434 -0.0816 0.1889
 0.2351 -0.0314 0.0000 -0.1209 0.0390 0.0000 0.0000 0.2103 -0.0193
 -0.0432 0.0000 -0.1423 0.1180 -0.1344 0.0000 0.0000 -0.0713 0.0000
 0.0000 0.0000 0.0000 -0.0586 0.5069 0.0000 0.0000 0.0000
 0.0119 -0.0799 0.0448 0.0932 0.1930 0.0086 -0.2959 -0.1244
 0.0179 -0.1664 0.0000 -0.1002 0.2237 0.0000 0.0214 -0.1051 -0.1043
 -0.0532 0.0000 0.0015 -0.1008 0.1944 0.0000 0.0000 0.0332 0.0000
 0.0000 0.0000 0.0000 0.0000 0.5749 0.0000 0.0000 0.0000
 0.0093 -0.0126 0.0004 -0.0351 -0.0059 0.0426 0.0165 -0.0589 -
 0.0825 -0.0428 0.1012 -0.0443 0.0078 0.0000 0.0054 0.0076 -0.0388
 -0.0668 -0.0030 -0.0154 -0.0383 -0.0116 -0.0823 0.0000 -0.0282 0.0000
 0.0000 0.0000 0.0000 -0.0246 0.0871 0.0000 0.0000 0.0000
 0.0165 0.0184 0.0222 0.0170 -0.0236 -0.0141 -0.0297 0.0283 -
 0.0385 0.0304 -0.0731 -0.0281 -0.0008 0.0000 0.0419 -0.0171 -0.0430
 0.0111 -0.0138 -0.0030 0.0129 -0.0140 -0.0224 0.1144 -0.0160 0.0000
 -0.0316 0.0000 0.0000 -0.0080 -0.0689 0.0459 0.0000 -0.2867
 -0.0269 -0.0087 -0.0121 -0.0256 0.0071 0.0198 -0.0041 -0.0048 -
 0.0248 -0.0496 -0.0255 0.0251 -0.0453 0.0828 -0.0366 -0.0324 -0.0411
 -0.0274 -0.0296 -0.0385 -0.0179 0.0443 -0.0808 -0.0388 -0.0026 0.0000
 -0.0402 0.0000 0.0000 -0.0548 0.0721 -0.0156 0.0000 0.0970
 0.0173 0.0166 0.0121 -0.0273 0.0360 -0.0131 0.0293 0.0230 -
 0.0850 0.0460 -0.0340 0.0388 -0.0010 0.0000 0.0726 0.0046 0.0046
 0.0245 0.1188 -0.0054 -0.0225 0.0456 0.0025 -0.0782 -0.0665 0.0000
 0.0183 0.0000 0.0000 0.0581 0.0247 -0.0521 0.0000 -0.0377
 -0.0333 -0.0225 -0.0034 0.0341 0.1036 -0.0337 -0.0067 0.0169 -
 0.0388 -0.0433 0.0969 -0.0616 0.1259 0.0000 -0.1319 0.0259 -0.0415
 0.0324 -0.1370 -0.0039 -0.0282 0.0394 -0.0071 0.1937 -0.0080 0.0000
 0.0000 0.0000 0.0000 0.0652 0.2390 0.0000 0.0000 0.0000
 0.0182 0.0089 -0.0293 -0.0576 0.1073 -0.0632 -0.0139 -0.0935 -
 0.3134 -0.0770 -0.0705 0.0283 -0.0275 0.0000 -0.1044 -0.0226 -0.0877
 -0.0495 0.0628 -0.0936 -0.0331 -0.1875 -0.0375 -0.1334 -0.0834 0.0000
 0.0000 0.0000 0.0000 0.2103 0.2947 0.0000 0.0000 0.0000
 0.0241 -0.0434 -0.0042 -0.0106 0.0487 0.0061 -0.0280 0.1661
 0.0559 -0.1065 -0.1110 0.0260 0.1194 0.0000 -0.0138 -0.0717 0.0060
 -0.0471 0.0662 -0.0021 -0.0540 0.0276 0.1244 -0.1762 -0.0946 0.0000
 0.0000 0.0000 0.0000 0.2812 0.5032 0.0000 0.0000 0.0000
 -0.0164 -0.0686 -0.0148 0.0159 0.0255 -0.0311 0.0034 0.1267
 0.0903 -0.0273 0.0671 -0.0568 0.0262 0.0000 -0.0086 -0.0300 0.0096
 -0.0040 0.0293 0.0512 -0.0561 0.0022 0.0529 -0.1850 0.0051 0.0000
 0.0000 0.0000 0.0000 0.1116 0.2378 0.0000 0.0000 0.0000
 -0.0301 -0.0195 -0.0148 -0.0405 0.0212 0.0015 -0.0387 -0.0244 -
 0.1162 -0.0493 -0.0521 -0.0210 -0.0015 0.0000 -0.0203 -0.0108 -0.0170
 -0.0130 -0.0130 0.0166 -0.0323 -0.0452 -0.0767 0.1055 -0.0310 0.0000
 -0.0712 0.0000 0.0000 -0.0966 0.0674 0.0133 0.0000 0.0000
 0.0327 -0.2887 0.2286 0.1718 0.0000 0.0000 0.5133 0.2570 -
 0.2000 -0.0479 0.0000 0.0000 0.0621 0.0000 0.0000 0.0097 0.2977
 0.1604 0.0000 0.4504 -0.0618 0.9136 0.0000 0.0000 -0.1790 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0187 0.0066 -0.0371 -0.0190 0.0886 -0.0087 -0.0477 0.0305 -
 0.0218 0.0204 -0.1270 -0.1058 -0.0039 0.0000 0.0080 -0.0221 -0.0570

-0.0246 -0.0834 -0.1048 0.0607 -0.1467 -0.0489 -0.0385 -0.0370 0.0000
 0.0000 0.0000 0.0000 0.1368 0.2786 0.0000 0.0000 0.0000 0.0000
 -0.0555 -0.0100 -0.0333 -0.0325 -0.0696 0.0087 -0.0421 -0.0753 -
 0.0490 -0.0448 -0.1333 0.0072 -0.0427 0.0000 0.0090 -0.0035 -0.0199
 -0.0858 0.0379 -0.0092 0.0047 -0.0040 0.0107 -0.0207 0.0001 0.0000
 0.0211 0.0000 0.0000 -0.1155 -0.0353 0.0069 0.0000 0.0000 0.0000
 0.0171 -0.0227 -0.0116 -0.0340 -0.0192 0.0419 0.0310 -0.0357 -
 0.0299 -0.0573 0.0710 0.0406 0.0259 0.0000 0.0312 0.0494 -0.0175
 0.0082 -0.2865 -0.0022 -0.0133 -0.0569 0.1595 0.0255 0.0217 0.0000
 0.0000 0.0000 0.0000 -0.0867 -0.1211 0.0000 0.0000 0.0000 0.0000
 0.0200 -0.0188 0.0069 -0.0233 -0.0360 -0.0140 -0.0405 -0.0437 -
 0.0288 -0.0252 -0.0416 0.0316 0.0195 0.0000 -0.0198 0.0018 -0.0329
 -0.0363 -0.0194 0.0011 -0.0227 -0.1051 -0.0241 -0.0255 0.0103 0.0000
 0.0000 0.0000 0.0000 0.0319 0.0644 0.0269 0.0000 0.0000 0.0000
 -0.0923 0.0645 -0.0087 -0.0268 -0.0741 0.1451 -0.0448 0.0975 -
 0.0120 0.1904 0.0000 0.0371 -0.0455 0.0000 0.1110 -0.1115 -0.0757
 0.0084 0.0000 0.1033 0.0144 -0.0311 0.0000 0.0000 -0.1487 0.0000
 0.0000 0.0000 0.0000 0.3721 0.0000 0.0000 0.0000 0.0000 0.0000
 0.1028 0.0781 0.0853 0.0655 0.3624 -0.0623 -0.0937 0.1269
 0.0001 -0.0116 0.0000 0.1072 0.0943 0.0000 0.0000 0.1133 -0.0208
 -0.0109 0.0000 -0.0637 0.1712 -0.2071 0.0000 0.0000 0.1903 0.0000
 0.0000 0.0000 0.0000 0.0932 0.4603 0.0000 0.0000 0.0000 0.0000
 0.1218 -0.0970 0.1626 0.1568 0.1664 0.0252 -0.2992 -0.0235 -
 0.0191 -0.0412 0.0000 -0.1122 0.2073 0.0000 -0.0081 -0.1256 -0.0256
 -0.0896 0.0000 0.0732 -0.0981 0.0934 0.0000 0.0000 -0.0658 0.0000
 0.0000 0.0000 0.0000 0.0000 0.7073 0.0000 0.0000 0.0000 0.0000
 -0.0042 -0.0272 -0.0171 -0.0027 0.0577 -0.0064 -0.0191 -0.0041 -
 0.0630 -0.0665 -0.0024 0.0089 -0.0029 0.0000 -0.0684 0.0187 -0.0472
 -0.0365 0.0358 0.0109 -0.0047 -0.0150 -0.0628 0.0000 -0.0238 0.0000
 0.0000 0.0000 0.0000 0.0270 0.0192 0.0000 0.0000 0.0000 0.0000
 -0.0006 0.0113 0.0362 0.0093 -0.0695 -0.0126 -0.0340 -0.0280 -
 0.0371 0.0528 -0.0613 -0.0297 -0.0050 0.0000 -0.0049 -0.0109 -0.0335
 -0.0049 -0.0620 0.0017 0.0074 -0.0457 0.0470 0.1271 -0.0242 0.0000
 -0.0861 0.0000 0.0000 0.0079 -0.0280 -0.0232 0.0000 -0.1408
 -0.0417 -0.0208 -0.0254 -0.0247 -0.0382 -0.0015 -0.0420 -0.0244 -
 0.0610 -0.0357 -0.0194 0.0010 -0.0388 -0.0602 0.0063 -0.0398 -0.0491
 -0.0392 -0.0275 -0.0327 -0.0213 0.0378 -0.0748 0.0179 -0.0334 0.0000
 -0.1084 0.0000 0.0000 -0.0392 0.0829 -0.1250 0.0000 -0.0595
 0.0245 0.0071 0.0343 -0.0017 0.0566 0.0208 0.0248 -0.0150 -
 0.0494 0.0188 -0.0099 -0.0052 -0.0090 0.0000 0.0597 0.0224 0.0369
 0.0225 0.1636 -0.0064 -0.0018 -0.0073 0.0562 -0.1784 -0.0503 0.0000
 -0.0197 0.0000 0.0000 -0.0261 0.0434 -0.0006 0.0000 -0.2364
 0.0126 -0.0085 0.0154 0.0568 0.0967 0.0244 0.0419 0.0047 -
 0.0020 -0.0455 0.0224 -0.0217 0.1165 0.0000 -0.0027 0.0417 -0.0448
 0.0131 0.0959 0.0220 0.0118 0.0508 0.0256 -0.0308 -0.0575 0.0000
 0.0000 0.0000 0.0000 0.0807 0.2299 0.0000 0.0000 0.0000 0.0000
 -0.0802 0.0254 -0.0176 -0.0379 -0.0423 -0.1241 -0.0592 -0.0139 -
 0.1280 -0.1089 -0.0041 -0.0984 -0.0109 0.0000 0.0512 -0.0617 -0.1309
 -0.0421 -0.0171 -0.1011 -0.0082 -0.1123 0.0841 0.1656 -0.0429 0.0000
 0.0000 0.0000 0.0000 0.2874 0.5316 0.0000 0.0000 0.0000 0.0000
 0.0271 -0.0239 0.0071 -0.0264 0.0859 -0.0521 -0.0480 0.0303
 0.0608 -0.0647 0.2078 0.0648 0.0839 0.0000 0.0040 -0.0298 0.0235
 -0.0444 0.0968 -0.0311 -0.0471 0.0730 0.1571 -0.1644 -0.0354 0.0000
 0.0000 0.0000 0.0000 0.0357 0.1668 0.0000 0.0000 0.0000 0.0000
 0.0214 -0.0015 0.0039 0.0243 -0.0244 -0.0540 0.0288 0.0946
 0.1745 -0.0608 0.0467 -0.0967 0.0519 0.0000 0.1477 0.0111 0.0321

-0.0089 0.2463 0.0597 -0.0357 0.0161 -0.0391 0.0656 -0.0583 0.0000
 0.0000 0.0000 0.0000 0.0201 0.1586 0.0000 0.0000 0.0000 0.0000
 -0.0330 -0.0143 -0.0190 -0.0451 0.0066 -0.0042 -0.0662 -0.0117 -
 0.0370 -0.0394 -0.1102 0.0086 -0.0036 0.0000 -0.0656 -0.0135 -0.0249
 -0.0074 -0.0211 0.0159 -0.0269 -0.0515 -0.0822 0.0126 -0.0130 0.0000
 -0.0834 0.0000 0.0000 -0.0641 0.0600 0.1050 0.0000 0.0000 0.0000
 0.1073 -0.2737 0.0281 0.0849 0.0000 0.0000 0.5917 0.0373 -
 0.0752 -0.0351 0.0000 0.0000 0.0937 0.0000 0.0000 0.1607 0.0649
 0.3104 0.0000 0.5732 0.0557 1.2051 0.0000 0.0000 0.0623 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0008 0.0117 0.0066 0.0213 0.1071 -0.0658 0.0466 0.0789 -
 0.1686 0.0636 0.0067 -0.0366 0.0110 0.0000 0.0417 0.0168 -0.0158
 0.0143 -0.0917 -0.0813 0.0750 -0.0729 0.1811 0.0932 0.0020 0.0000
 0.0000 0.0000 0.0000 0.2413 0.0167 0.0000 0.0000 0.0000 0.0000
 -0.0445 -0.0290 -0.0452 -0.0315 -0.0612 -0.0175 -0.0488 -0.0717 -
 0.0719 -0.0330 -0.0640 -0.0031 -0.0341 0.0000 0.0005 -0.0289 -0.0271
 -0.0761 -0.0551 -0.0124 -0.0076 -0.0092 -0.0098 -0.1329 -0.0187 0.0000
 -0.0979 0.0000 0.0000 -0.1223 0.0433 -0.0079 0.0000 0.0000 0.0000
 0.0493 -0.0211 0.0141 -0.0612 0.0598 -0.0444 0.0256 -0.0473 -
 0.0717 -0.0417 -0.1337 -0.0686 -0.0004 0.0000 -0.0518 0.0451 -0.0824
 0.0462 -0.2612 0.0011 -0.0301 -0.0483 0.1134 0.0165 -0.0370 0.0000
 0.0000 0.0000 0.0000 0.0769 0.0340 0.0000 0.0000 0.0000 0.0000
 0.0179 -0.0272 0.0000 -0.0039 -0.0067 0.0017 -0.0464 -0.0626 -
 0.0018 -0.0078 0.0559 0.0255 0.0087 0.0000 -0.0140 -0.0109 -0.0183
 -0.0214 0.0160 -0.0038 -0.0041 -0.0937 -0.0061 0.1294 0.0059 0.0000
 0.0000 0.0000 0.0000 -0.0095 0.0227 -0.1203 0.0000 0.0000 0.0000
 0.0127 0.0384 -0.0188 0.0229 -0.1885 -0.0602 -0.1832 -0.1001
 0.0871 0.0201 0.0000 -0.0177 0.0000 0.0000 0.0381 -0.0768 -0.0401
 0.1255 0.0000 -0.0214 -0.0044 -0.1004 0.0000 0.0000 -0.1722 0.0000
 0.0000 0.0000 0.0000 0.0652 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0623 0.0309 0.0955 0.0701 -0.2310 -0.0514 -0.1672 0.2452
 0.0221 0.0558 0.0000 0.1024 0.1029 0.0000 0.0000 -0.1694 0.0736
 0.0027 0.0000 -0.1476 0.0943 -0.1010 0.0000 0.0000 0.1859 0.0000
 0.0000 0.0000 0.0000 0.2409 0.2950 0.0000 0.0000 0.0000 0.0000
 0.1176 -0.0127 0.2164 0.1347 0.1995 -0.0577 -0.2337 -0.1452
 0.0843 -0.0210 0.0000 -0.0132 0.2273 0.0000 0.0325 -0.1358 0.0076
 -0.0984 0.0000 0.0919 -0.0794 0.1565 0.0000 0.0000 -0.0396 0.0000
 0.0000 0.0000 0.0000 0.0000 0.6028 0.0000 0.0000 0.0000 0.0000
 -0.0071 -0.0161 -0.0165 -0.0278 0.0378 0.0048 0.0024 -0.0222 -
 0.0059 0.0061 0.0515 -0.0079 -0.0260 0.0000 -0.0594 -0.0030 -0.0183
 -0.0217 -0.0299 0.0290 -0.0023 0.0175 -0.0197 0.0000 -0.0121 0.0000
 0.0000 0.0000 0.0000 0.0619 -0.1225 0.0000 0.0000 0.0000 0.0000
 -0.0036 0.0034 0.0433 0.0083 -0.0840 -0.0101 -0.0225 -0.0022 -
 0.0077 0.0333 -0.0346 -0.0167 0.0113 0.0000 0.0100 -0.0059 -0.0213
 -0.0203 -0.0554 -0.0006 -0.0012 -0.0321 0.0078 0.0401 -0.0140 0.0000
 0.2046 0.0000 0.0000 0.0524 0.0445 -0.0237 0.0000 -0.1668
 -0.0369 -0.0297 -0.0294 -0.0360 -0.0625 -0.0194 -0.0527 -0.0430 -
 0.0262 -0.0374 -0.0564 -0.0276 -0.0388 0.0256 -0.0316 -0.0559 -0.0434
 -0.0534 -0.0584 -0.0224 -0.0304 0.0352 -0.0596 -0.0526 -0.0409 0.0000
 0.0544 0.0000 0.0000 -0.0837 0.0460 -0.0281 0.0000 -0.3894
 0.0449 0.0259 0.0274 0.0011 0.0592 0.0398 0.0719 0.0080 -
 0.0467 0.0123 -0.0382 -0.0014 0.0271 0.0000 -0.0156 0.0354 0.0306
 0.0505 0.1890 0.0094 0.0058 0.0004 0.0813 -0.1331 -0.0309 0.0000
 0.0809 0.0000 0.0000 0.0912 -0.0274 0.0513 0.0000 -0.2460
 0.0269 0.0071 0.0271 0.0817 0.1485 0.0045 0.0088 0.0113
 0.0123 0.0053 0.0153 0.0709 0.1167 0.0000 0.0142 0.0363 0.0007

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -0.0085 | 0.1260 | 0.0082 | -0.0069 | -0.0125 | 0.1152 | -0.1033 | -0.0558 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0962 | 0.1936 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0183 | 0.0140 | 0.0142 | 0.0178 | 0.0513 | -0.0473 | -0.0976 | 0.0420 | - |
| 0.0704 | -0.0358 | 0.0299 | -0.0909 | -0.0830 | 0.0000 | -0.1576 | -0.0474 | -0.0045 |
| 0.0131 | -0.0675 | -0.1183 | 0.0227 | -0.0736 | 0.0042 | 0.0833 | -0.0802 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2216 | 0.1786 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0169 | -0.0030 | -0.0345 | -0.0063 | 0.0434 | 0.0020 | 0.0438 | -0.0523 | |
| 0.0853 | -0.0652 | -0.1384 | -0.0623 | -0.0034 | 0.0000 | -0.0329 | 0.0065 | 0.1015 |
| -0.0039 | -0.0168 | 0.0475 | -0.0438 | 0.0917 | -0.0638 | -0.1204 | -0.0049 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0956 | -0.0517 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0451 | 0.0199 | 0.0198 | 0.0354 | 0.0077 | 0.0256 | 0.0352 | 0.0616 | |
| 0.1610 | 0.0113 | 0.3399 | 0.0448 | 0.0449 | 0.0000 | 0.0486 | 0.0625 | 0.0272 |
| -0.0011 | -0.0009 | 0.0626 | -0.0164 | -0.0204 | 0.0521 | 0.0804 | -0.0029 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1074 | -0.0776 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0415 | -0.0162 | -0.0208 | -0.0387 | 0.0044 | 0.0039 | -0.0239 | -0.0340 | - |
| 0.0295 | -0.0605 | -0.1300 | -0.0095 | -0.0480 | 0.0000 | -0.0473 | -0.0080 | -0.0268 |
| -0.0328 | -0.1113 | -0.0089 | -0.0234 | -0.0490 | -0.0675 | -0.1124 | -0.0135 | 0.0000 |
| -0.1668 | 0.0000 | 0.0000 | -0.0678 | -0.0301 | -0.0177 | 0.0000 | 0.0000 | |
| -0.0108 | 0.1210 | 0.3024 | -0.0452 | 0.0000 | 0.0000 | 0.8618 | 0.1150 | |
| 0.1744 | 0.1592 | 0.0000 | 0.0000 | -0.0249 | 0.0000 | 0.0000 | 0.6625 | -0.0357 |
| 0.0020 | 0.0000 | 0.5794 | 0.2135 | 0.8960 | 0.0000 | 0.0000 | 0.1838 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0511 | 0.0258 | -0.0208 | 0.0162 | 0.0950 | -0.0405 | -0.0129 | 0.0729 | - |
| 0.0123 | 0.0246 | 0.0929 | -0.0146 | 0.0121 | 0.0000 | 0.0043 | 0.0075 | 0.0060 |
| 0.0315 | 0.1040 | -0.0468 | 0.0669 | -0.0376 | -0.0945 | 0.2797 | -0.0010 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1172 | -0.0595 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0334 | -0.0350 | -0.0529 | -0.0210 | -0.0619 | -0.0338 | -0.0402 | -0.0446 | - |
| 0.0712 | -0.0001 | -0.0444 | 0.0196 | -0.0474 | 0.0000 | 0.0036 | -0.0365 | -0.0230 |
| -0.0534 | -0.1501 | -0.0025 | -0.0189 | -0.0097 | 0.0006 | -0.0091 | -0.0117 | 0.0000 |
| -0.2546 | 0.0000 | 0.0000 | -0.0862 | 0.0936 | -0.0058 | 0.0000 | 0.0000 | |
| 0.0326 | -0.0233 | 0.0219 | -0.0300 | 0.0587 | 0.0084 | -0.0371 | -0.0638 | - |
| 0.0702 | 0.0303 | 0.1077 | -0.0146 | -0.0042 | 0.0000 | 0.0159 | 0.0590 | -0.0165 |
| 0.0032 | -0.0419 | 0.0019 | -0.0311 | -0.0210 | 0.2321 | 0.1464 | -0.0057 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0584 | 0.0728 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0053 | -0.0052 | 0.0064 | 0.0010 | 0.0783 | 0.0196 | 0.0028 | -0.0033 | - |
| 0.0229 | 0.0232 | 0.0243 | 0.0021 | -0.0049 | 0.0000 | -0.0666 | 0.0124 | 0.0093 |
| 0.0157 | -0.0234 | 0.0044 | 0.0026 | -0.0460 | 0.0429 | 0.0650 | 0.0208 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0311 | 0.0085 | 0.0079 | 0.0000 | 0.0000 | |
| 0.0105 | 0.0381 | 0.0429 | 0.0213 | -0.1293 | 0.0689 | -0.0448 | 0.1471 | - |
| 0.0492 | -0.0190 | 0.0000 | 0.1940 | -0.0911 | 0.0000 | 0.0317 | -0.1202 | 0.0427 |
| 0.0191 | 0.0000 | 0.0192 | -0.1215 | -0.0999 | 0.0000 | 0.0000 | 0.0944 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.1677 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0612 | -0.0377 | 0.0545 | 0.0260 | 0.3078 | 0.0176 | -0.1363 | 0.1466 | - |
| 0.5089 | 0.1741 | 0.0000 | -0.2562 | 0.0125 | 0.0000 | 0.0000 | -0.1900 | -0.0838 |
| 0.0337 | 0.0000 | -0.0022 | 0.1129 | -0.0706 | 0.0000 | 0.0000 | 0.4819 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.7162 | 1.1350 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1189 | -0.0402 | 0.2395 | 0.2252 | 0.0321 | 0.1419 | -0.3114 | -0.0832 | |
| 0.0354 | 0.1912 | 0.0000 | 0.1384 | 0.2715 | 0.0000 | 0.0830 | -0.2031 | -0.0423 |
| -0.0495 | 0.0000 | -0.0019 | -0.0820 | 0.1274 | 0.0000 | 0.0000 | 0.1560 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.3185 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0114 | -0.0175 | -0.0116 | -0.0049 | -0.0127 | -0.0203 | 0.0236 | -0.0080 | |
| 0.0203 | -0.0488 | -0.0768 | 0.0011 | -0.0342 | 0.0000 | 0.0118 | 0.0380 | -0.0341 |
| -0.0164 | -0.0426 | 0.0328 | -0.0093 | 0.0631 | -0.0930 | 0.0000 | -0.0070 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1125 | -0.0604 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0078 | -0.0016 | 0.0296 | -0.0018 | -0.0805 | -0.0044 | -0.0097 | -0.0116 | - |
| 0.0316 | 0.0010 | -0.0103 | 0.0036 | 0.0205 | 0.0000 | 0.0233 | 0.0042 | -0.0175 |

-0.0161 -0.0109 -0.0152 0.0062 -0.0565 0.0225 0.1001 -0.0009 0.0000
 0.0615 0.0000 0.0000 -0.0519 0.0609 0.0242 0.0000 -0.0097
 -0.0430 -0.0360 -0.0270 -0.0525 -0.0564 -0.0260 -0.0626 -0.0492 -
 0.0491 -0.0165 -0.0677 -0.0386 -0.0457 -0.0278 -0.0307 -0.0523 -0.0284
 -0.0502 -0.0988 -0.0083 -0.0341 0.0187 -0.0768 -0.0816 -0.0378 0.0000
 -0.0661 0.0000 0.0000 -0.0689 0.0317 -0.0474 0.0000 -0.1374
 0.0518 0.0390 0.0579 0.0234 0.0288 0.0410 0.0984 0.0174
 0.0051 0.0417 0.1045 0.0504 0.0020 0.0000 -0.0597 0.0418 0.0201
 0.0648 0.1124 0.0073 0.0181 -0.0115 -0.0415 -0.0315 0.0312 0.0000
 0.0205 0.0000 0.0000 0.0054 -0.0051 -0.0936 0.0000 -0.2907
 0.0405 0.0359 0.0138 0.0926 0.1091 0.0423 -0.0527 -0.0263
 0.0731 -0.0087 0.1903 0.0402 0.1244 0.0000 0.0763 0.0133 -0.0119
 0.0160 -0.0075 0.0491 -0.0278 -0.0331 0.1687 0.0022 -0.0442 0.0000
 0.0000 0.0000 0.0000 0.0653 0.2682 0.0000 0.0000 0.0000
 -0.0210 0.0295 0.0634 0.0418 0.1388 0.0367 -0.0782 0.0544
 0.1019 0.1016 -0.0551 -0.0573 0.0341 0.0000 -0.0451 -0.0293 0.0550
 0.0158 -0.3736 -0.0706 0.0527 -0.0565 0.1618 0.2474 -0.0416 0.0000
 0.0000 0.0000 0.0000 -0.1253 0.0078 0.0000 0.0000 0.0000
 0.0016 0.0084 -0.0146 -0.0085 -0.0406 -0.0521 0.1080 0.0868
 0.0861 -0.0141 0.1054 -0.0642 0.0135 0.0000 -0.0368 0.0567 0.0902
 0.0248 -0.0030 0.0546 -0.0293 0.1016 0.1239 -0.1973 0.0173 0.0000
 0.0000 0.0000 0.0000 0.3352 0.1643 0.0000 0.0000 0.0000
 0.0565 0.0526 -0.0023 0.0023 0.0737 -0.0075 0.0626 0.0549
 0.0837 -0.0270 0.1273 -0.0194 0.0542 0.0000 0.0826 0.0798 0.0409
 0.0756 -0.0315 0.0930 0.0185 -0.0212 0.1156 0.2796 0.0697 0.0000
 0.0000 0.0000 0.0000 0.1093 -0.0621 0.0000 0.0000 0.0000
 -0.0573 -0.0304 -0.0480 -0.0459 -0.0509 0.0023 -0.0197 -0.0453 -
 0.0005 -0.0690 -0.0482 -0.0170 -0.0334 0.0000 0.0167 -0.0180 -0.0274
 -0.0183 -0.1431 -0.0290 -0.0353 -0.0486 -0.0380 -0.1301 -0.0522 0.0000
 -0.0218 0.0000 0.0000 0.0024 -0.0664 0.1581 0.0000 0.0000
 0.0555 0.2139 0.2243 0.1178 0.0000 0.0000 0.6528 0.1700
 0.2041 0.5748 0.0000 0.0000 0.0932 0.0000 0.0000 0.5228 0.4444
 -0.1186 0.0000 0.7972 0.3231 1.2652 0.0000 0.0000 -0.0575 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0273 0.0158 -0.0084 0.0437 0.1010 -0.0139 -0.0215 0.0465
 0.0259 -0.0273 0.0659 -0.0832 0.0316 0.0000 -0.0756 0.0215 -0.0016
 -0.0084 -0.0917 -0.0310 0.0248 -0.0099 -0.1956 0.1880 0.0331 0.0000
 0.0000 0.0000 0.0000 0.0702 0.2915 0.0000 0.0000 0.0000
 -0.0341 -0.0230 -0.0517 -0.0258 -0.0619 -0.0297 -0.0424 -0.0225 -
 0.0261 0.0000 -0.0572 0.0069 -0.0159 0.0000 -0.0122 -0.0354 -0.0210
 -0.0439 -0.0301 0.0176 -0.0228 0.0032 -0.0485 0.0705 -0.0113 0.0000
 -0.1679 0.0000 0.0000 -0.0211 0.0165 -0.0031 0.0000 0.0000
 0.0311 -0.0014 0.0406 -0.0173 0.1385 0.0566 0.0385 -0.0152 -
 0.0371 0.0657 0.0545 0.0133 0.0075 0.0000 -0.0554 0.0481 -0.0020
 0.0026 0.2022 0.0180 -0.0057 0.0066 0.2046 0.0619 0.0770 0.0000
 0.0000 0.0000 0.0000 -0.0788 0.0811 0.0000 0.0000 0.0000
 0.0424 0.0113 0.0223 -0.0045 0.1242 0.0534 0.0329 -0.0079 -
 0.0455 -0.0217 0.0274 0.0342 -0.0252 0.0000 -0.0093 0.0067 0.0238
 0.0134 0.0615 0.0102 0.0041 0.0305 -0.0183 0.0910 0.0286 0.0000
 0.0000 0.0000 0.0000 0.0002 -0.0680 0.1019 0.0000 0.0000
 0.0474 0.0235 0.0088 0.0333 0.0407 0.0182 -0.0115 0.0539 -
 0.1870 0.0803 0.0000 -0.1474 -0.0102 0.0000 -0.0947 -0.1574 0.0052
 0.0907 0.0000 -0.0061 -0.1231 0.0208 0.0000 0.0000 -0.0357 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.1644 0.0000 0.0000 0.0000
 -0.0692 -0.0069 0.1882 0.0838 -0.2091 0.1187 -0.2803 -0.0335 -
 0.4825 -0.0080 0.0000 -0.1451 -0.0077 0.0000 0.0000 -0.1003 0.0634

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| 0.2092 | 0.0000 | -0.0443 | 0.1786 | -0.1902 | 0.0000 | 0.0000 | 0.0702 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.3410 | 0.9144 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.1739 | 0.0354 | 0.2989 | 0.2959 | 0.2973 | 0.0624 | -0.2432 | 0.0527 - |
| 0.0480 | 0.2307 | 0.0000 | 0.0135 | 0.2343 | 0.0000 | 0.2004 | -0.1347 | 0.0414 |
| -0.0543 | 0.0000 | 0.0679 | -0.0480 | 0.0619 | 0.0000 | 0.0000 | 0.1502 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.3693 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0183 | -0.0138 | 0.0096 | -0.0117 | -0.0362 | -0.0328 | 0.0062 | -0.0056 - |
| 0.0482 | -0.0530 | -0.0359 | -0.0131 | 0.0183 | 0.0000 | -0.0097 | 0.0397 | -0.0341 |
| 0.0531 | 0.0172 | 0.0235 | 0.0022 | 0.0409 | -0.0541 | 0.0000 | -0.0015 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0695 | -0.0791 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0183 | -0.0023 | 0.0168 | -0.0087 | -0.0574 | -0.0132 | -0.0240 | -0.0169 - |
| 0.0108 | 0.0068 | 0.0085 | -0.0091 | 0.0238 | 0.0000 | 0.0186 | -0.0104 | -0.0067 |
| -0.0042 | 0.0121 | -0.0203 | 0.0013 | -0.0491 | 0.0184 | 0.0129 | -0.0386 | 0.0000 |
| 0.1021 | 0.0000 | 0.0000 | 0.0606 | 0.0262 | -0.0545 | 0.0000 | 0.2021 | |
| | -0.0571 | -0.0372 | -0.0341 | -0.0468 | -0.0415 | -0.0373 | -0.0613 | -0.0160 - |
| 0.0602 | -0.0026 | -0.0494 | -0.0430 | -0.0403 | -0.0730 | -0.0501 | -0.0379 | -0.0201 |
| -0.0553 | -0.1097 | -0.0058 | -0.0301 | -0.0150 | -0.0394 | -0.0159 | -0.0159 | 0.0000 |
| -0.1777 | 0.0000 | 0.0000 | -0.0414 | -0.0058 | -0.0386 | 0.0000 | -0.0063 | |
| | 0.0611 | 0.0502 | 0.0572 | 0.0300 | -0.0206 | 0.0293 | 0.1117 | 0.0307 - |
| 0.0051 | 0.0167 | 0.1256 | 0.0284 | 0.0119 | 0.0000 | 0.0073 | 0.0498 | 0.0290 |
| 0.0353 | 0.0570 | 0.0051 | 0.0473 | 0.0287 | 0.0158 | 0.0128 | 0.0342 | 0.0000 |
| 0.0494 | 0.0000 | 0.0000 | 0.0215 | -0.0275 | -0.0493 | 0.0000 | -0.0945 | |
| | 0.0178 | 0.0400 | 0.0588 | 0.0947 | 0.1455 | 0.0563 | -0.0770 | -0.0066 |
| 0.0832 | 0.0408 | 0.0441 | -0.0040 | 0.1330 | 0.0000 | 0.0348 | 0.0081 | 0.0292 |
| 0.0359 | 0.0407 | 0.0420 | -0.0052 | 0.0057 | -0.0302 | 0.0094 | -0.0300 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0554 | 0.2132 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0330 | -0.0365 | 0.0008 | 0.0250 | 0.0474 | -0.0856 | -0.0921 | 0.0562 |
| 0.0489 | 0.0254 | 0.0591 | -0.0994 | 0.0781 | 0.0000 | 0.0691 | -0.0468 | -0.0483 |
| 0.0311 | -0.0924 | -0.0725 | 0.0684 | 0.0177 | 0.0418 | 0.4030 | -0.0486 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0820 | 0.0798 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0153 | 0.0499 | 0.0572 | 0.0011 | 0.0274 | -0.0089 | 0.0899 | 0.1254 |
| 0.0451 | -0.0085 | 0.1546 | 0.0000 | 0.0381 | 0.0000 | -0.0084 | 0.0421 | 0.0564 |
| 0.1174 | -0.1133 | 0.0783 | 0.0186 | 0.0382 | 0.0099 | -0.2768 | 0.0455 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2445 | 0.0475 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0245 | 0.0699 | 0.0005 | -0.0039 | 0.0730 | 0.0299 | 0.1647 | 0.0692 |
| 0.0475 | -0.0526 | 0.0453 | -0.0048 | 0.0251 | 0.0000 | 0.1634 | 0.1449 | 0.0663 |
| 0.0408 | 0.0561 | 0.0882 | 0.0209 | 0.0741 | 0.1549 | 0.1594 | 0.0516 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0218 | 0.0292 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0570 | -0.0371 | -0.0610 | -0.0370 | -0.0464 | -0.0428 | -0.0299 | -0.0275 |
| 0.0136 | -0.0474 | -0.0063 | -0.0415 | -0.0361 | 0.0000 | -0.0386 | -0.0314 | -0.0213 |
| -0.0069 | -0.0784 | -0.0293 | -0.0375 | -0.0402 | -0.0667 | -0.0749 | -0.0495 | 0.0000 |
| -0.1301 | 0.0000 | 0.0000 | -0.0704 | -0.1444 | 0.0345 | 0.0000 | 0.0000 | |
| | 0.0841 | 0.2243 | 0.1898 | -0.0854 | 0.0000 | 0.0000 | 0.2480 | 0.1037 |
| 0.9425 | 0.2411 | 0.0000 | 0.0000 | 0.3320 | 0.0000 | 0.0000 | 0.3455 | 0.4192 |
| -0.6000 | 0.0000 | 0.9430 | 0.3003 | 1.3629 | 0.0000 | 0.0000 | -0.1793 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0163 | 0.0191 | -0.0048 | 0.0348 | 0.0941 | 0.0517 | -0.0118 | -0.0272 |
| 0.0335 | 0.0376 | 0.2419 | -0.1011 | 0.0414 | 0.0000 | -0.0277 | -0.0348 | -0.0111 |
| 0.0156 | -0.0585 | -0.0420 | 0.0320 | -0.0625 | 0.0366 | 0.1010 | 0.0714 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0981 | 0.0918 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0325 | -0.0360 | -0.0351 | -0.0416 | -0.0696 | -0.0117 | -0.0425 | -0.0063 - |
| 0.0142 | -0.0396 | -0.0931 | 0.0119 | -0.0091 | 0.0000 | -0.0370 | -0.0218 | -0.0165 |
| -0.0408 | 0.0188 | 0.0121 | -0.0192 | -0.0019 | -0.0550 | -0.0195 | -0.0157 | 0.0000 |
| -0.1024 | 0.0000 | 0.0000 | -0.0729 | -0.0560 | -0.0792 | 0.0000 | 0.0000 | |
| | 0.0282 | 0.0182 | 0.0244 | 0.0079 | 0.0714 | 0.0065 | 0.0553 | -0.0203 - |
| 0.0386 | 0.0819 | 0.0392 | 0.0176 | -0.0100 | 0.0000 | -0.0687 | 0.0524 | 0.0153 |

-0.0129 -0.0265 0.0479 0.0071 -0.0030 0.1069 0.1678 0.0713 0.0000
 0.0000 0.0000 0.0000 -0.1419 0.0323 0.0000 0.0000 0.0000
 0.0365 0.0221 0.0068 -0.0027 0.0307 0.0477 0.0334 0.0594
 0.0755 0.0292 0.0454 0.0355 -0.0330 0.0000 0.0150 0.0205 0.0260
 0.0233 0.0315 0.0269 0.0194 0.0281 -0.0357 0.1019 0.0587 0.0000
 0.0000 0.0000 0.0000 0.0431 -0.0882 -0.0050 0.0000 0.0000
 -0.0302 -0.0014 0.0505 0.0407 -0.0390 -0.0286 -0.0755 -0.2434
 0.0238 0.0513 0.0000 0.1530 0.0584 0.0000 -0.0087 -0.1402 0.0377
 0.0943 0.0000 -0.0442 -0.0644 0.1520 0.0000 0.0000 0.0227 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.1300 0.0000 0.0000 0.0000
 0.0743 0.0862 0.2259 0.0802 -0.0452 0.0770 -0.2905 0.0128
 0.2214 0.0303 0.0000 -0.1307 0.0060 0.0000 0.0000 -0.0967 0.1189
 0.1382 0.0000 0.0289 0.0877 -0.0962 0.0000 0.0000 0.3977 0.0000
 0.0000 0.0000 0.0000 0.5608 0.5220 0.0000 0.0000 0.0000
 0.1747 0.0463 0.2188 0.3389 0.5577 0.1776 0.0791 0.1275 -
 0.1077 0.1981 0.0000 0.0219 0.3217 0.0000 0.0831 -0.1945 0.0166
 -0.0487 0.0000 0.0363 0.0156 0.0411 0.0000 0.0000 0.0490 0.0000
 0.0000 0.0000 0.0000 0.0000 0.4523 0.0000 0.0000 0.0000
 0.0041 -0.0170 0.0165 0.0159 0.0027 -0.0058 0.0497 -0.0269 -
 0.0063 -0.0537 -0.0794 -0.0109 -0.0136 0.0000 -0.0350 0.0216 -0.0412
 -0.0094 -0.0418 0.0242 0.0097 0.0558 0.0156 0.0000 0.0125 0.0000
 0.0000 0.0000 0.0000 -0.0197 -0.0918 0.0000 0.0000 0.0000
 -0.0153 -0.0077 0.0177 0.0019 -0.0345 -0.0034 -0.0180 -0.0333 -
 0.0274 0.0103 0.0251 -0.0023 0.0114 0.0000 0.0295 -0.0088 -0.0028
 -0.0152 -0.0677 -0.0216 -0.0016 -0.0525 0.0165 0.0609 -0.0218 0.0000
 0.2059 0.0000 0.0000 0.0371 0.0111 0.0534 0.0000 0.2811
 -0.0577 -0.0400 -0.0288 -0.0453 -0.0559 -0.0435 -0.0556 -0.0323 -
 0.0321 -0.0098 -0.0714 -0.0252 -0.0377 -0.0440 -0.0641 -0.0373 -0.0340
 -0.0483 -0.1219 -0.0094 -0.0421 -0.0440 -0.0777 -0.0099 -0.0264 0.0000
 -0.1025 0.0000 0.0000 -0.0199 -0.0491 -0.0966 0.0000 0.0810
 0.0461 0.0483 0.0592 0.0454 0.0202 0.0310 0.0890 0.0440
 0.0142 0.0349 0.1269 0.0377 0.0076 0.0000 0.0477 0.0613 0.0480
 0.0534 0.0686 0.0080 0.0422 0.0332 0.1413 -0.0094 0.0041 0.0000
 0.0371 0.0000 0.0000 0.0829 -0.1086 -0.0690 0.0000 0.3285
 0.0174 0.0405 0.0815 0.0817 0.1810 0.0554 -0.0517 0.0279
 0.0248 0.0185 0.0004 0.0601 0.1140 0.0000 0.1077 0.0260 0.0252
 -0.0107 -0.0773 0.0330 0.0387 0.0066 -0.0713 0.1370 -0.0213 0.0000
 0.0000 0.0000 0.0000 0.1430 0.2464 0.0000 0.0000 0.0000
 0.0229 0.0099 0.0010 0.0033 0.1896 -0.0040 0.0464 0.0279
 0.0331 0.0342 -0.0391 -0.0332 0.0660 0.0000 -0.0440 0.0171 -0.0278
 0.0013 0.1737 -0.0379 0.0889 -0.0125 -0.1841 0.1456 0.0873 0.0000
 0.0000 0.0000 0.0000 0.0127 -0.0006 0.0000 0.0000 0.0000
 0.0266 0.0712 0.0555 0.0053 0.1622 -0.0114 0.1352 0.0904
 0.0457 -0.0027 -0.1699 -0.0149 -0.0002 0.0000 0.1676 0.1100 0.0499
 0.0632 -0.1449 0.1067 0.0645 0.0878 -0.0412 0.0249 0.0886 0.0000
 0.0000 0.0000 0.0000 -0.0304 0.0833 0.0000 0.0000 0.0000
 0.0337 0.0914 0.0155 0.0086 -0.0225 0.0333 0.2063 0.0940
 0.1192 -0.0218 0.1068 0.0637 0.0314 0.0000 0.0460 0.1420 0.0565
 0.0076 0.0726 0.0982 0.0417 0.1781 0.0101 -0.0104 0.0732 0.0000
 0.0000 0.0000 0.0000 0.1975 0.0327 0.0000 0.0000 0.0000
 -0.0606 -0.0266 -0.0638 -0.0190 -0.0486 -0.0156 -0.0332 -0.0314 -
 0.0238 -0.0452 0.0536 -0.0478 -0.0437 0.0000 -0.0221 -0.0547 -0.0276
 -0.0253 -0.0358 -0.0192 -0.0240 -0.0116 -0.0574 -0.0184 -0.0719 0.0000
 -0.2222 0.0000 0.0000 -0.0425 -0.0606 -0.1331 0.0000 0.0000
 0.0693 0.3069 0.2484 -0.0419 0.0000 0.0000 0.0771 0.1769
 0.4700 0.1569 0.0000 0.0000 0.1735 0.0000 0.0000 0.4669 0.4471

-0.5884 0.0000 0.8532 0.1965 1.1040 0.0000 0.0000 -0.0746 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0175 0.0176 -0.0329 0.0479 0.0843 0.0212 0.0010 0.0572
 0.0374 0.0800 0.0228 -0.0122 0.1003 0.0000 0.0530 -0.0223 0.0454
 0.0330 -0.0141 -0.0226 0.0600 0.0162 0.0276 0.0118 -0.0040 0.0000
 0.0000 0.0000 0.0000 0.0652 0.1793 0.0000 0.0000 0.0000
 -0.0397 -0.0426 -0.0384 -0.0577 -0.0654 -0.0204 -0.0349 -0.0069
 0.0089 -0.0395 -0.0776 -0.0345 -0.0221 0.0000 -0.0606 -0.0471 -0.0224
 -0.0311 0.0490 -0.0064 -0.0108 -0.0137 -0.1256 -0.0569 -0.0016 0.0000
 -0.0484 0.0000 0.0000 -0.0681 -0.0433 -0.0050 0.0000 0.0000
 0.0227 -0.0051 0.0142 0.0582 0.0774 0.0854 0.0763 0.0052
 0.0058 0.0942 0.1184 -0.0134 -0.0111 0.0000 0.0273 0.0158 -0.0105
 0.0102 -0.0509 0.0367 0.0083 0.0319 0.0601 0.0728 0.0546 0.0000
 0.0000 0.0000 0.0000 0.1290 0.1519 0.0000 0.0000 0.0000
 0.0182 0.0258 -0.0152 -0.0038 0.0818 0.0237 0.0356 0.0429
 0.0321 0.0330 0.0582 -0.0094 -0.0216 0.0000 -0.0130 0.0274 0.0238
 0.0075 0.0217 0.0173 0.0169 0.0681 -0.0628 0.0236 0.0294 0.0000
 0.0000 0.0000 0.0000 -0.0097 -0.1455 -0.1506 0.0000 0.0000
 0.0643 -0.0177 0.0855 -0.0233 -0.2108 -0.0249 -0.1639 -0.1520 -
 0.0791 -0.0653 0.0000 -0.0859 -0.0938 0.0000 0.0663 -0.0820 -0.0514
 0.0273 0.0000 -0.0280 -0.0046 0.0363 0.0000 0.0000 -0.0361 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.6341 0.0000 0.0000 0.0000
 0.0484 0.1146 0.1364 0.0314 -0.3480 -0.0784 -0.1237 -0.3424 -
 0.0027 -0.0507 0.0000 -0.1560 0.1157 0.0000 0.0000 -0.1687 0.0226
 0.2053 0.0000 -0.0157 0.0514 -0.0435 0.0000 0.0000 0.2770 0.0000
 0.0000 0.0000 0.0000 0.3051 0.4961 0.0000 0.0000 0.0000
 0.2173 0.0001 0.2589 0.2737 0.4312 0.1074 0.2898 0.0602 -
 0.0303 0.0308 0.0000 0.1938 0.3898 0.0000 -0.0703 -0.2117 0.0216
 -0.0139 0.0000 0.1224 0.0044 0.0583 0.0000 0.0000 0.1003 0.0000
 0.0000 0.0000 0.0000 0.0000 0.3274 0.0000 0.0000 0.0000
 -0.0069 -0.0036 0.0168 0.0085 -0.0074 -0.0137 0.0414 -0.0272
 0.0350 0.0025 0.0913 0.0030 0.0089 0.0000 -0.0199 0.0089 0.0000
 0.0174 -0.0095 0.0269 0.0123 0.0841 -0.0084 0.0000 0.0106 0.0000
 0.0000 0.0000 0.0000 0.1246 0.0275 0.0000 0.0000 0.0000
 -0.0148 -0.0093 0.0241 -0.0086 -0.0151 -0.0095 0.0107 -0.0206 -
 0.0327 0.0122 0.0025 -0.0192 0.0051 0.0000 0.0178 -0.0073 0.0048
 -0.0191 -0.0419 -0.0251 0.0010 -0.0368 -0.0085 0.0962 0.0057 0.0000
 -0.0232 0.0000 0.0000 -0.0143 0.0693 -0.0937 0.0000 -0.0725
 -0.0543 -0.0441 -0.0382 -0.0421 -0.0599 -0.0484 -0.0607 -0.0362 -
 0.0395 -0.0172 -0.0936 -0.0582 -0.0294 -0.0013 -0.0894 -0.0326 -0.0293
 -0.0298 -0.0580 -0.0006 -0.0409 -0.0546 -0.0842 -0.0232 -0.0265 0.0000
 -0.2901 0.0000 0.0000 0.0032 -0.0819 -0.0384 0.0000 0.0258
 0.0609 0.0511 0.0347 0.0454 0.0294 0.0317 0.0581 0.0313
 0.0072 0.0669 0.1535 0.0216 0.0206 0.0000 0.0910 0.0674 0.0444
 0.0581 0.0330 -0.0001 0.0521 0.0344 0.1793 0.0429 -0.0016 0.0000
 0.3662 0.0000 0.0000 -0.0065 -0.0860 0.0302 0.0000 0.0319
 0.0729 0.0378 0.1091 0.1064 0.1371 0.0688 0.0286 0.0833
 0.0521 0.0301 0.0382 0.0835 0.1315 0.0000 0.1487 -0.0058 0.0318
 -0.0049 -0.0799 0.0443 0.0364 0.0443 0.2299 0.1761 0.0167 0.0000
 0.0000 0.0000 0.0000 0.0266 0.0526 0.0000 0.0000 0.0000
 0.0189 0.0417 0.0051 0.0307 0.0196 -0.0036 0.0054 0.0693
 0.0128 0.1164 0.2523 -0.0345 0.1005 0.0000 0.1721 -0.0307 -0.0279
 -0.0092 0.1682 -0.0166 0.0475 -0.0234 -0.0128 0.2530 0.1258 0.0000
 0.0000 0.0000 0.0000 0.0069 0.1402 0.0000 0.0000 0.0000
 0.0131 0.0831 0.0153 0.0323 0.1355 0.0436 0.1796 0.0813
 0.0702 0.0540 -0.4752 -0.0123 0.0053 0.0000 0.1099 0.1741 0.0390

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0678 | -0.0841 | 0.1259 | 0.1035 | 0.1198 | -0.1929 | 0.0640 | -0.0013 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1856 | 0.2245 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0283 | 0.0878 | 0.0511 | 0.0215 | 0.0681 | 0.0896 | 0.2517 | 0.0898 | |
| 0.0410 | -0.0292 | -0.0652 | 0.0797 | -0.0014 | 0.0000 | -0.0520 | 0.1501 | 0.0617 |
| 0.0408 | -0.1835 | 0.1266 | 0.0514 | 0.2082 | -0.0332 | -0.1516 | 0.0588 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.2019 | -0.0334 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0747 | -0.0298 | -0.0484 | -0.0200 | -0.0482 | -0.0286 | -0.0301 | -0.0065 | - |
| 0.0415 | -0.0413 | -0.0451 | -0.0198 | -0.0644 | 0.0000 | -0.0563 | -0.0479 | -0.0459 |
| -0.0369 | -0.0729 | -0.0149 | -0.0244 | 0.0253 | -0.0824 | -0.0526 | -0.0281 | 0.0000 |
| 0.0358 | 0.0000 | 0.0000 | -0.0054 | -0.0302 | -0.0973 | 0.0000 | 0.0000 | |
| 0.0898 | 0.3150 | 0.2377 | 0.0427 | 0.0000 | 0.0000 | 0.3026 | 0.2795 | |
| 0.4562 | 0.2955 | 0.0000 | 0.0000 | 0.0993 | 0.0000 | 0.0000 | 0.3663 | 0.4492 |
| -0.0822 | 0.0000 | 1.0500 | 0.1256 | 1.2296 | 0.0000 | 0.0000 | 0.0254 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0222 | 0.0415 | 0.0095 | 0.0649 | 0.0458 | 0.0385 | -0.0116 | 0.0666 | |
| 0.1275 | 0.1058 | 0.0635 | 0.0183 | 0.0970 | 0.0000 | 0.0520 | 0.0025 | 0.0028 |
| 0.0410 | 0.0810 | -0.0023 | 0.0734 | 0.0200 | 0.0969 | 0.1553 | -0.0073 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0873 | 0.1985 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0352 | -0.0532 | -0.0339 | -0.0487 | -0.0344 | -0.0227 | -0.0296 | -0.0250 | - |
| 0.0159 | -0.0264 | -0.1141 | -0.0214 | -0.0122 | 0.0000 | -0.0519 | -0.0355 | -0.0205 |
| -0.0432 | -0.0706 | -0.0138 | -0.0260 | 0.0122 | -0.1240 | -0.0621 | -0.0292 | 0.0000 |
| -0.2980 | 0.0000 | 0.0000 | -0.0756 | -0.0086 | 0.0099 | 0.0000 | 0.0000 | |
| 0.0573 | 0.0140 | -0.0012 | 0.0175 | 0.0419 | 0.0988 | 0.1171 | 0.0168 | |
| 0.0404 | 0.0877 | 0.2436 | -0.0197 | -0.0915 | 0.0000 | 0.1214 | 0.0350 | 0.0370 |
| -0.0069 | 0.1452 | 0.0191 | 0.0221 | 0.0915 | 0.0346 | -0.0018 | 0.0566 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0274 | 0.2374 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0488 | 0.0357 | 0.0017 | 0.0076 | 0.1124 | 0.0739 | 0.0555 | 0.0482 | |
| 0.0736 | 0.0527 | 0.0307 | 0.0429 | 0.0001 | 0.0000 | -0.0049 | 0.0297 | 0.0344 |
| 0.0324 | 0.0682 | 0.0308 | 0.0322 | 0.0911 | -0.0915 | 0.0129 | 0.0561 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0593 | -0.1106 | 0.1057 | 0.0000 | 0.0000 | |
| 0.0527 | 0.0045 | 0.0321 | 0.0564 | 0.0928 | 0.0267 | -0.1477 | -0.1546 | - |
| 0.1611 | 0.0385 | 0.0000 | -0.0256 | -0.0686 | 0.0000 | 0.0167 | 0.0003 | 0.0989 |
| -0.0297 | 0.0000 | 0.0106 | 0.0715 | 0.0886 | 0.0000 | 0.0000 | 0.1344 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.1508 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0729 | 0.0708 | 0.2038 | 0.1037 | 0.0889 | -0.0511 | 0.1731 | -0.2799 | - |
| 0.0687 | -0.0889 | 0.0000 | -0.0399 | 0.0628 | 0.0000 | 0.0000 | -0.1501 | -0.0093 |
| 0.2021 | 0.0000 | -0.0159 | 0.0238 | -0.1184 | 0.0000 | 0.0000 | 0.1343 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1213 | 0.5759 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2930 | 0.0305 | 0.2560 | 0.2658 | 0.5241 | 0.0938 | 0.3146 | 0.0176 | |
| 0.1052 | -0.0199 | 0.0000 | 0.2274 | 0.4109 | 0.0000 | 0.1861 | -0.1287 | -0.0098 |
| -0.0535 | 0.0000 | 0.1646 | 0.1169 | 0.0432 | 0.0000 | 0.0000 | 0.1130 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.6797 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0075 | 0.0065 | -0.0063 | 0.0204 | 0.0280 | -0.0470 | 0.0016 | -0.0133 | - |
| 0.0349 | 0.0286 | 0.0455 | 0.0269 | -0.0116 | 0.0000 | 0.0495 | 0.0060 | 0.0343 |
| 0.0612 | 0.0169 | 0.0764 | 0.0223 | 0.0876 | -0.0111 | 0.0000 | 0.0068 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1115 | -0.0216 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0039 | -0.0183 | 0.0150 | -0.0074 | 0.0043 | -0.0142 | -0.0018 | 0.0039 | - |
| 0.0049 | -0.0114 | -0.0101 | -0.0170 | -0.0066 | 0.0000 | 0.0452 | -0.0040 | 0.0087 |
| -0.0246 | 0.0185 | -0.0298 | -0.0167 | -0.0192 | 0.0473 | 0.0556 | 0.0235 | 0.0000 |
| 0.1295 | 0.0000 | 0.0000 | 0.0154 | 0.0431 | -0.1452 | 0.0000 | -0.0433 | |
| -0.0566 | -0.0420 | -0.0462 | -0.0299 | -0.0424 | -0.0304 | -0.0608 | -0.0357 | - |
| 0.0424 | -0.0325 | -0.0662 | -0.0443 | -0.0198 | 0.0262 | -0.0385 | -0.0448 | -0.0199 |
| -0.0364 | -0.0866 | -0.0084 | -0.0339 | -0.0414 | -0.0450 | -0.0760 | -0.0186 | 0.0000 |
| -0.0580 | 0.0000 | 0.0000 | -0.0061 | -0.0583 | 0.0397 | 0.0000 | -0.3202 | |
| 0.0678 | 0.0452 | 0.0478 | 0.0333 | 0.0321 | 0.0251 | 0.0595 | -0.0018 | |
| 0.0052 | 0.0524 | 0.1529 | 0.0172 | 0.0253 | 0.0000 | 0.0417 | 0.0812 | 0.0488 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0685 | -0.0621 | -0.0238 | 0.0295 | -0.0044 | 0.0905 | 0.0083 | -0.0071 | 0.0000 |
| 0.1768 | 0.0000 | 0.0000 | 0.1017 | -0.0205 | 0.0654 | 0.0000 | -0.1599 | |
| 0.0946 | 0.0615 | 0.1443 | 0.1258 | 0.1715 | 0.0778 | 0.0484 | 0.0508 | |
| 0.0916 | 0.0493 | -0.0852 | 0.0830 | 0.0990 | 0.0000 | 0.1321 | 0.0172 | 0.0189 |
| 0.0252 | 0.0195 | 0.0166 | 0.0362 | 0.0780 | 0.2071 | 0.0539 | 0.0166 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1407 | 0.2976 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0657 | 0.0364 | -0.0264 | 0.0617 | -0.0142 | 0.0870 | -0.0148 | 0.1088 |
| 0.0419 | 0.1007 | 0.2222 | 0.0024 | 0.0523 | 0.0000 | 0.1823 | -0.0336 | 0.0499 |
| 0.0178 | -0.2070 | 0.0023 | 0.0327 | 0.0109 | -0.0625 | 0.4445 | 0.1496 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0364 | 0.1597 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0324 | 0.1534 | 0.0161 | 0.0666 | 0.1931 | -0.0134 | 0.2111 | 0.0740 |
| 0.1088 | 0.0396 | -0.0669 | 0.0146 | 0.0496 | 0.0000 | 0.1428 | 0.2290 | 0.0794 |
| 0.0544 | 0.1869 | 0.1854 | 0.1082 | 0.1399 | 0.2900 | 0.2602 | 0.0757 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1472 | 0.0365 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0540 | 0.1077 | 0.0227 | 0.0434 | 0.0559 | 0.1077 | 0.2288 | 0.0516 |
| 0.0438 | 0.0391 | -0.1740 | 0.1019 | 0.0320 | 0.0000 | 0.1368 | 0.2044 | 0.1479 |
| 0.0280 | -0.0211 | 0.1627 | 0.0908 | 0.2338 | 0.0894 | 0.0297 | 0.0458 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0750 | 0.0432 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0589 | -0.0368 | -0.0353 | -0.0249 | -0.0546 | -0.0342 | -0.0248 | -0.0448 |
| 0.0190 | -0.0282 | -0.1175 | -0.0363 | -0.0534 | 0.0000 | -0.0249 | -0.0446 | -0.0339 |
| -0.0467 | -0.0619 | -0.0010 | -0.0288 | 0.0419 | -0.0790 | 0.0072 | -0.0080 | 0.0000 |
| -0.0683 | 0.0000 | 0.0000 | 0.0049 | 0.0366 | -0.0708 | 0.0000 | 0.0000 | |
| | 0.2204 | 0.2659 | 0.5077 | -0.1746 | 0.0000 | 0.0000 | 0.2219 | 0.0324 |
| 0.2055 | 0.0827 | 0.0000 | 0.0000 | -0.1875 | 0.0000 | 0.0000 | 0.3931 | 0.4067 |
| -0.0004 | 0.0000 | 0.7498 | 0.0285 | 0.5568 | 0.0000 | 0.0000 | 0.1006 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0039 | 0.0395 | 0.0113 | 0.0729 | -0.0072 | 0.0357 | -0.0072 | 0.0721 |
| 0.0596 | 0.0784 | 0.4251 | 0.0398 | 0.0866 | 0.0000 | 0.1467 | -0.0018 | 0.0079 |
| 0.0387 | 0.0094 | -0.0026 | 0.0844 | 0.0323 | -0.0420 | 0.1179 | 0.0491 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0245 | 0.1109 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0342 | -0.0545 | -0.0488 | -0.0380 | -0.0105 | -0.0452 | -0.0433 | -0.0230 |
| 0.0013 | -0.0388 | -0.0374 | -0.0208 | -0.0058 | 0.0000 | -0.0592 | -0.0417 | -0.0319 |
| -0.0445 | -0.0228 | -0.0245 | -0.0437 | 0.0113 | -0.0900 | -0.0117 | -0.0078 | 0.0000 |
| 0.1066 | 0.0000 | 0.0000 | 0.0312 | 0.0154 | -0.0363 | 0.0000 | 0.0000 | |
| | 0.0602 | 0.0401 | 0.0179 | 0.0275 | 0.0434 | 0.0634 | 0.0883 | 0.0496 |
| 0.0093 | 0.0199 | 0.0199 | -0.0346 | -0.0138 | 0.0000 | 0.1234 | -0.0010 | 0.0586 |
| 0.0742 | -0.0843 | 0.0146 | 0.0367 | 0.0844 | -0.1286 | 0.0733 | 0.0091 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0396 | 0.1493 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0503 | 0.0465 | 0.0115 | 0.0286 | 0.0610 | 0.0650 | 0.0634 | 0.1096 |
| 0.0836 | 0.0606 | -0.0102 | 0.0788 | -0.0020 | 0.0000 | 0.0203 | 0.0496 | 0.0526 |
| 0.0739 | 0.0642 | 0.0566 | 0.0603 | 0.1350 | -0.0012 | -0.0437 | 0.0595 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0432 | -0.0861 | 0.1625 | 0.0000 | 0.0000 | |
| | -0.0198 | -0.0184 | -0.0207 | 0.0108 | 0.1860 | 0.1370 | -0.1841 | -0.0290 |
| 0.0291 | 0.0840 | 0.0000 | -0.0929 | 0.0816 | 0.0000 | -0.1405 | 0.0319 | 0.0458 |
| -0.0352 | 0.0000 | -0.0147 | -0.0302 | 0.0140 | 0.0000 | 0.0000 | -0.0150 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0589 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0212 | -0.0570 | 0.1300 | 0.0751 | -0.3047 | 0.1817 | 0.1805 | 0.0390 |
| 0.0337 | 0.1216 | 0.0000 | 0.1666 | 0.1513 | 0.0000 | 0.0000 | -0.1115 | 0.0869 |
| 0.1218 | 0.0000 | -0.0027 | -0.0104 | 0.0455 | 0.0000 | 0.0000 | 0.1489 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0913 | 0.7392 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.3026 | 0.0894 | 0.3240 | 0.2664 | 0.5979 | 0.0561 | 0.4313 | 0.1366 |
| 0.0693 | 0.0779 | 0.0000 | 0.0343 | 0.3178 | 0.0000 | 0.3859 | -0.0934 | 0.1194 |
| -0.0971 | 0.0000 | 0.1429 | 0.1959 | 0.0535 | 0.0000 | 0.0000 | -0.0132 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4666 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0040 | 0.0283 | -0.0047 | -0.0066 | 0.0213 | 0.0287 | -0.0208 | 0.0553 |
| 0.0222 | 0.0195 | 0.1272 | -0.0041 | 0.0169 | 0.0000 | 0.0435 | 0.0110 | 0.0178 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0430 | 0.0374 | 0.0391 | 0.0026 | -0.0036 | -0.0535 | 0.0000 | 0.0109 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0723 | 0.0669 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0113 | -0.0247 | -0.0012 | -0.0020 | 0.0234 | 0.0064 | 0.0030 | -0.0201 | |
| 0.0008 | -0.0152 | -0.0236 | -0.0076 | 0.0065 | 0.0000 | -0.0102 | -0.0043 | 0.0081 |
| -0.0270 | -0.0392 | -0.0287 | -0.0209 | -0.0090 | -0.0169 | -0.0320 | 0.0097 | 0.0000 |
| 0.0313 | 0.0000 | 0.0000 | 0.0155 | 0.0281 | -0.0048 | 0.0000 | 0.0566 | |
| -0.0539 | -0.0384 | -0.0444 | -0.0283 | -0.0727 | -0.0336 | -0.0486 | -0.0461 | - |
| 0.0019 | -0.0394 | -0.0128 | -0.0462 | -0.0178 | 0.0252 | -0.0326 | -0.0407 | -0.0152 |
| -0.0406 | -0.1063 | -0.0122 | -0.0283 | -0.0244 | 0.0012 | -0.0633 | -0.0196 | 0.0000 |
| -0.0819 | 0.0000 | 0.0000 | -0.0161 | -0.0703 | -0.0005 | 0.0000 | -0.0761 | |
| 0.0636 | 0.0615 | 0.0553 | 0.0330 | 0.0562 | 0.0181 | 0.0170 | 0.0544 | |
| 0.0386 | 0.0372 | 0.1339 | 0.0586 | 0.0431 | 0.0000 | 0.0228 | 0.0456 | 0.0454 |
| 0.0331 | -0.0128 | -0.0297 | 0.0472 | -0.0313 | 0.1480 | 0.0487 | 0.0409 | 0.0000 |
| 0.2038 | 0.0000 | 0.0000 | 0.0645 | 0.0189 | 0.2274 | 0.0000 | 0.2082 | |
| 0.1111 | 0.0627 | 0.1629 | 0.1733 | 0.2189 | 0.1157 | 0.0296 | 0.0619 | |
| 0.0392 | 0.1266 | 0.0007 | 0.0947 | 0.0986 | 0.0000 | 0.0955 | -0.0257 | 0.0118 |
| 0.0448 | 0.0629 | 0.0381 | 0.0641 | 0.0421 | 0.1452 | -0.0092 | 0.0313 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1307 | 0.2567 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0236 | 0.0345 | -0.0114 | 0.0810 | -0.0334 | 0.0412 | 0.0294 | 0.1333 | |
| 0.0314 | 0.0811 | 0.1965 | -0.0416 | 0.0640 | 0.0000 | 0.1821 | 0.0245 | 0.0805 |
| 0.0449 | -0.2343 | 0.0449 | 0.0572 | -0.0040 | 0.1281 | 0.1767 | 0.0756 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0588 | 0.0407 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0440 | 0.1212 | 0.0302 | 0.0347 | 0.1703 | 0.0643 | 0.1347 | 0.0163 | |
| 0.0458 | -0.0172 | -0.1034 | 0.0301 | 0.0154 | 0.0000 | 0.0275 | 0.2461 | 0.1373 |
| 0.0559 | 0.3307 | 0.1476 | 0.0676 | 0.2073 | 0.2600 | 0.0692 | 0.0984 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1128 | -0.0479 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0911 | 0.1193 | 0.0272 | 0.0291 | 0.0523 | 0.1297 | 0.2201 | 0.0779 | |
| 0.1051 | 0.1027 | -0.0847 | 0.1361 | 0.0270 | 0.0000 | 0.0715 | 0.2273 | 0.1128 |
| 0.0331 | 0.0291 | 0.1740 | 0.1281 | 0.1828 | -0.1734 | 0.0301 | 0.0546 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1214 | 0.0074 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0599 | -0.0428 | -0.0336 | -0.0293 | -0.0635 | -0.0655 | -0.0529 | -0.0395 | - |
| 0.0290 | -0.0241 | -0.0790 | -0.0264 | -0.0552 | 0.0000 | -0.0408 | -0.0361 | -0.0272 |
| -0.0308 | -0.0789 | -0.0027 | -0.0292 | 0.0359 | 0.0042 | -0.0952 | -0.0086 | 0.0000 |
| -0.1024 | 0.0000 | 0.0000 | -0.0524 | -0.0139 | -0.1197 | 0.0000 | 0.0000 | |
| 0.2231 | 0.2627 | 0.3062 | 0.0127 | 0.0000 | 0.0000 | 0.3799 | -0.0896 | |
| 0.3693 | -0.4253 | 0.0000 | 0.0000 | -0.2300 | 0.0000 | 0.0000 | 0.4531 | 0.5814 |
| 0.3048 | 0.0000 | 0.9253 | -0.1458 | 0.3776 | 0.0000 | 0.0000 | 0.2377 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0000 | 0.0517 | 0.0144 | 0.0645 | 0.0164 | 0.0861 | 0.0339 | 0.0984 | |
| 0.1288 | 0.0589 | 0.1082 | 0.0228 | 0.1102 | 0.0000 | 0.0957 | 0.0352 | 0.0903 |
| 0.0460 | 0.0695 | 0.0298 | 0.0857 | 0.0676 | 0.0877 | 0.0111 | 0.0324 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0804 | 0.1488 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0328 | -0.0490 | -0.0579 | -0.0342 | -0.0332 | -0.0365 | -0.0653 | -0.0087 | |
| 0.0009 | -0.0199 | -0.1096 | -0.0384 | -0.0164 | 0.0000 | -0.0739 | -0.0410 | -0.0011 |
| -0.0390 | -0.0661 | -0.0222 | -0.0345 | 0.0081 | -0.0044 | -0.0460 | -0.0016 | 0.0000 |
| -0.1552 | 0.0000 | 0.0000 | -0.0271 | -0.0167 | 0.0565 | 0.0000 | 0.0000 | |
| 0.0534 | 0.0487 | 0.0228 | 0.0334 | 0.0458 | 0.0612 | 0.0722 | 0.0387 | |
| 0.0858 | 0.0468 | 0.0248 | 0.0491 | 0.0394 | 0.0000 | 0.0787 | 0.0114 | 0.1142 |
| 0.0356 | 0.0781 | 0.0191 | 0.0244 | 0.0810 | -0.0822 | 0.0354 | 0.0425 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0246 | 0.0038 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0552 | 0.0514 | 0.0326 | 0.0297 | 0.0732 | 0.0717 | 0.0416 | 0.0440 | |
| 0.1337 | 0.1011 | 0.0718 | 0.0894 | 0.0117 | 0.0000 | 0.0458 | 0.0665 | 0.0403 |
| 0.0794 | 0.0818 | 0.0797 | 0.0704 | 0.0954 | -0.0357 | -0.0553 | 0.0580 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0089 | -0.0051 | 0.1294 | 0.0000 | 0.0000 | |
| -0.0144 | -0.0509 | -0.0479 | 0.0082 | 0.2504 | 0.0593 | -0.0475 | 0.1021 | - |
| 0.0428 | -0.0422 | 0.0000 | -0.0054 | 0.0972 | 0.0000 | 0.2159 | 0.0052 | 0.0194 |

-0.0832 0.0000 -0.0293 -0.0309 -0.0188 0.0000 0.0000 0.1074 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.1548 0.0000 0.0000 0.0000 0.0000
 -0.0421 -0.0188 0.1737 0.0809 0.3200 0.1280 0.1475 -0.0834
 0.0838 -0.2062 0.0000 0.1449 0.1636 0.0000 0.0000 -0.1070 -0.0076
 0.2259 0.0000 -0.0348 -0.0013 0.0408 0.0000 0.0000 0.0362 0.0000
 0.0000 0.0000 0.0000 -0.0392 0.3559 0.0000 0.0000 0.0000 0.0000
 0.3256 0.1199 0.3475 0.3057 0.6644 0.1770 0.3566 0.1921 -
 0.0103 0.3138 0.0000 0.0477 0.2838 0.0000 0.3135 0.1442 0.1444
 0.0859 0.0000 0.1012 0.2003 -0.0005 0.0000 0.0000 0.1612 0.0000
 0.0000 0.0000 0.0000 0.0000 0.3544 0.0000 0.0000 0.0000 0.0000
 -0.0037 0.0091 0.0027 -0.0067 0.0253 0.0351 0.0345 0.0288
 0.0256 0.0420 0.0536 0.0255 -0.0034 0.0000 -0.0352 0.0335 -0.0091
 0.0494 0.1132 0.0412 0.0016 0.0778 -0.0136 0.0000 0.0132 0.0000
 0.0000 0.0000 0.0000 0.0088 0.1058 0.0000 0.0000 0.0000 0.0000
 0.0040 -0.0274 -0.0013 0.0030 0.0254 0.0000 -0.0069 0.0049 -
 0.0140 0.0010 -0.0197 -0.0125 0.0205 0.0000 -0.0230 -0.0091 0.0117
 -0.0103 -0.0014 -0.0244 -0.0296 -0.0093 -0.0309 -0.0755 -0.0001 0.0000
 0.0654 0.0000 0.0000 -0.0115 0.0802 -0.0443 0.0000 0.0543
 -0.0533 -0.0383 -0.0479 -0.0311 -0.0621 -0.0491 -0.0479 -0.0571 -
 0.0276 -0.0269 -0.0549 -0.0450 -0.0128 0.1084 -0.0378 -0.0307 -0.0126
 -0.0418 -0.0240 -0.0117 -0.0288 -0.0040 -0.0540 -0.0436 -0.0177 0.0000
 -0.1255 0.0000 0.0000 0.0374 -0.0345 -0.0150 0.0000 -0.1061
 0.0618 0.0777 0.0493 0.0385 0.0571 0.0185 0.0412 0.0358
 0.0650 0.0547 0.0703 0.0683 0.0454 0.0000 0.0530 0.0617 0.0339
 0.0467 0.0462 -0.0241 0.0582 -0.0362 0.0867 0.1386 0.0713 0.0000
 0.0884 0.0000 0.0000 0.0878 0.0627 0.2206 0.0000 0.0657
 0.1359 0.0637 0.1743 0.1795 0.2721 0.0957 0.0909 0.0660
 0.0268 0.0453 0.0978 0.0794 0.0961 0.0000 0.1153 0.0104 0.0770
 0.0748 -0.0100 0.0202 0.0922 0.0356 0.0786 0.0766 0.0931 0.0000
 0.0000 0.0000 0.0000 0.0942 0.1357 0.0000 0.0000 0.0000 0.0000
 0.0107 0.0659 -0.0404 0.0832 -0.0342 0.1008 0.0701 0.1140
 0.1010 0.0881 0.0274 0.0703 0.1070 0.0000 0.0610 -0.0096 0.0632
 0.0315 0.1852 0.0331 0.0988 -0.0397 0.0929 0.1257 0.0793 0.0000
 0.0000 0.0000 0.0000 0.1387 0.0408 0.0000 0.0000 0.0000 0.0000
 0.0827 0.1223 -0.0051 0.0088 -0.0210 0.1372 0.2442 0.0548
 0.0901 0.0670 -0.0547 0.0839 -0.0194 0.0000 -0.0117 0.2320 0.1354
 0.0983 0.2024 0.1415 0.0652 0.1639 0.0516 0.1664 0.0378 0.0000
 0.0000 0.0000 0.0000 0.1211 -0.0010 0.0000 0.0000 0.0000 0.0000
 0.1197 0.1473 0.0293 0.0243 0.0536 0.1117 0.1940 0.0102
 0.0964 0.1418 0.1022 0.1347 -0.0318 0.0000 0.0229 0.2376 0.0768
 0.0777 0.0797 0.1933 0.1349 0.2292 0.0020 0.1006 0.1161 0.0000
 0.0000 0.0000 0.0000 -0.0163 -0.0091 0.0000 0.0000 0.0000 0.0000
 -0.0586 -0.0374 -0.0226 -0.0449 -0.0412 -0.0527 -0.0727 -0.0276 -
 0.0160 -0.0129 -0.0791 -0.0444 -0.0318 0.0000 -0.0723 -0.0247 -0.0183
 -0.0330 -0.0466 -0.0080 -0.0190 0.0014 0.0573 -0.1144 -0.0192 0.0000
 -0.0160 0.0000 0.0000 -0.0199 -0.0303 -0.1176 0.0000 0.0000
 0.2486 0.3593 0.3869 0.2127 0.0000 0.0000 0.5429 -0.0905
 0.3355 -0.5411 0.0000 0.0000 -0.1050 0.0000 0.0000 0.1334 0.6067
 0.6257 0.0000 0.9038 -0.0478 0.5764 0.0000 0.0000 0.0731 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0003 0.0630 0.0175 0.0623 0.0525 0.0918 0.0373 0.1333
 0.1108 0.0840 0.1399 0.1130 0.1325 0.0000 0.0813 0.0287 0.0720
 0.1041 0.1003 0.0714 0.0986 0.0138 0.0932 -0.0227 0.0973 0.0000
 0.0000 0.0000 0.0000 0.0642 0.0097 0.0000 0.0000 0.0000 0.0000
 -0.0355 -0.0493 -0.0521 -0.0396 -0.0350 -0.0289 -0.0541 -0.0163 -
 0.0047 -0.0194 -0.0954 -0.0536 -0.0256 0.0000 -0.0610 -0.0528 -0.0047

-0.0464 -0.0453 -0.0143 -0.0329 0.0064 0.0158 0.0089 -0.0149 0.0000
 -0.0030 0.0000 0.0000 -0.0403 -0.0517 -0.0777 0.0000 0.0000
 0.0512 0.0405 0.0561 0.0173 0.0060 -0.0105 0.0155 0.0778
 0.0834 0.0556 -0.0087 0.0305 0.0489 0.0000 -0.0255 0.0276 0.0768
 0.0708 0.1029 0.0608 0.0168 0.0806 -0.0328 0.0356 0.0556 0.0000
 0.0000 0.0000 0.0000 0.1568 0.0907 0.0000 0.0000 0.0000 0.0000
 0.0387 0.0649 0.0550 0.0494 0.0652 0.0544 0.0692 0.0485
 0.1248 0.0835 0.0986 0.0850 0.0116 0.0000 0.0438 0.0740 0.0650
 0.0816 0.1124 0.1098 0.0778 0.1144 -0.0038 -0.0893 0.0520 0.0000
 0.0000 0.0000 0.0000 -0.0098 0.0284 0.0285 0.0000 0.0000 0.0000
 0.0169 -0.0603 0.0564 0.0841 0.1828 0.0292 0.1193 -0.0590
 0.1198 -0.1379 0.0000 0.0472 0.0368 0.0000 0.0266 -0.0618 -0.0098
 -0.0414 0.0000 -0.0338 -0.0136 -0.0870 0.0000 0.0000 0.0824 0.0000
 0.0000 0.0000 0.0000 0.0000 0.1683 0.0000 0.0000 0.0000 0.0000
 0.0098 0.0150 0.1143 0.0843 0.2455 -0.1121 0.1390 -0.0131
 0.1232 -0.2310 0.0000 0.0459 0.1248 0.0000 0.0000 0.0163 0.0784
 0.2234 0.0000 -0.0585 0.1081 0.0970 0.0000 0.0000 0.0806 0.0000
 0.0000 0.0000 0.0000 0.3055 0.6640 0.0000 0.0000 0.0000 0.0000
 0.2507 0.1429 0.2981 0.3484 0.6041 0.2134 0.4066 0.2508
 0.1675 0.1647 0.0000 0.0686 0.3328 0.0000 0.3498 0.2192 0.1622
 0.1203 0.0000 0.0625 0.1803 0.1818 0.0000 0.0000 0.1075 0.0000
 0.0000 0.0000 0.0000 0.0000 0.2160 0.0000 0.0000 0.0000 0.0000
 0.0100 0.0263 0.0205 0.0243 -0.0171 0.0317 0.1001 -0.0003
 0.0275 0.0051 0.0310 0.0275 0.0319 0.0000 0.0819 0.0295 -0.0106
 0.0289 0.0314 0.0334 -0.0072 0.0349 -0.0599 0.0000 0.0251 0.0000
 0.0000 0.0000 0.0000 -0.0255 -0.0118 0.0000 0.0000 0.0000 0.0000
 0.0112 -0.0238 -0.0031 0.0140 0.0318 0.0090 -0.0008 -0.0034
 0.0120 -0.0103 -0.0436 -0.0055 0.0225 0.0000 -0.0101 0.0072 0.0207
 -0.0035 0.0205 -0.0241 -0.0180 -0.0070 0.0358 -0.0283 0.0184 0.0000
 0.1081 0.0000 0.0000 -0.0111 0.0534 0.0182 0.0000 0.0810
 -0.0419 -0.0392 -0.0543 -0.0272 -0.0431 -0.0371 -0.0281 -0.0464 -
 0.0335 -0.0232 -0.0114 -0.0456 0.0003 0.1645 -0.0356 -0.0313 -0.0161
 -0.0148 -0.0492 -0.0020 -0.0208 0.0079 -0.0224 -0.0117 -0.0112 0.0000
 -0.0509 0.0000 0.0000 0.0144 -0.0641 -0.0254 0.0000 0.0874
 0.0686 0.0759 0.0536 0.0463 0.0512 0.0322 0.0918 0.0430
 0.0689 0.0489 0.1395 0.0825 0.0503 0.0000 0.0355 0.0457 0.0486
 0.0416 0.0015 -0.0290 0.0707 -0.0159 0.0423 0.1269 0.0761 0.0000
 0.2316 0.0000 0.0000 0.0277 -0.1072 0.0833 0.0000 -0.0522
 0.1484 0.0586 0.1491 0.1748 0.2346 0.0697 0.1344 0.0594
 0.0381 0.0716 0.2047 0.0580 0.0950 0.0000 0.2090 0.0424 0.0977
 0.0646 0.0364 0.0335 0.1015 0.0309 0.0717 0.1970 0.1057 0.0000
 0.0000 0.0000 0.0000 -0.0513 0.0486 0.0000 0.0000 0.0000 0.0000
 -0.0174 0.0737 -0.0959 0.0608 0.0286 0.1074 0.0822 0.0902
 0.1662 0.0933 0.0880 0.0867 0.1362 0.0000 -0.0010 0.0301 0.0561
 0.0687 0.1432 0.0227 0.1012 -0.0552 0.0542 -0.1533 0.0367 0.0000
 0.0000 0.0000 0.0000 -0.1027 0.1556 0.0000 0.0000 0.0000 0.0000
 0.1107 0.1081 0.0593 0.0065 -0.0002 0.1180 0.1917 0.0212
 0.0436 0.0499 -0.0546 0.0225 -0.0290 0.0000 0.0625 0.2477 0.0767
 0.1255 -0.0506 0.1539 0.1200 0.1855 -0.0336 0.1072 0.0505 0.0000
 0.0000 0.0000 0.0000 0.0419 -0.0100 0.0000 0.0000 0.0000 0.0000
 0.1014 0.1428 0.0725 0.0345 0.0515 0.0743 0.2129 0.0230
 0.0186 0.1092 -0.2094 0.1152 -0.0004 0.0000 0.0589 0.2664 0.1016
 0.1001 0.3259 0.1839 0.1474 0.2096 -0.0447 -0.1254 0.0467 0.0000
 0.0000 0.0000 0.0000 -0.1224 -0.0687 0.0000 0.0000 0.0000 0.0000
 -0.0379 -0.0288 -0.0231 -0.0296 -0.0703 -0.0677 -0.0618 -0.0453 -
 0.0158 -0.0034 -0.1178 -0.0470 -0.0261 0.0000 -0.0340 -0.0094 -0.0152

-0.0208 -0.0546 -0.0091 -0.0099 -0.0079 0.0470 -0.0634 -0.0110 0.0000
 -0.1164 0.0000 0.0000 -0.0082 -0.0653 -0.1329 0.0000 0.0000 0.9462 -0.0907
 0.1358 0.4232 0.3054 0.2849 0.0000 0.0000 0.0000 0.9462 -0.0907
 0.0103 -0.0472 0.0000 0.0000 -0.3068 0.0000 0.0000 0.1879 0.5527
 0.6248 0.0000 1.0084 0.0744 1.3888 0.0000 0.0000 0.2481 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 -0.0041 0.0532 0.0192 0.0852 0.0729 0.1075 0.0170 0.1270
 0.0890 0.0993 0.2904 0.1149 0.1311 0.0000 0.0910 0.0073 0.0585
 0.1038 0.1126 0.0819 0.1054 0.0185 0.0718 -0.0179 0.0941 0.0000
 0.0000 0.0000 0.0000 -0.0611 0.0634 0.0000 0.0000 0.0000 0.0000
 -0.0434 -0.0363 -0.0423 -0.0419 -0.0329 -0.0210 -0.0364 -0.0086
 0.0216 -0.0205 -0.0670 -0.0624 -0.0218 0.0000 -0.0658 -0.0331 -0.0170
 -0.0272 -0.0107 0.0006 -0.0269 -0.0060 -0.0376 -0.0515 -0.0093 0.0000
 -0.0759 0.0000 0.0000 0.0386 -0.0499 -0.1485 0.0000 0.0000 0.0000
 0.0348 0.0396 0.0275 -0.0168 -0.0025 -0.0386 0.0297 0.1034
 0.0791 0.1028 0.0217 0.0363 0.0799 0.0000 0.0824 0.0433 0.0378
 0.0329 0.4153 0.0730 0.0160 0.0412 0.0678 0.0897 0.0826 0.0000
 0.0000 0.0000 0.0000 -0.0132 -0.0083 0.0000 0.0000 0.0000 0.0000
 0.0408 0.0677 0.0401 0.0410 0.0947 0.0748 0.0849 0.0731
 0.0787 0.0837 0.0509 0.0644 0.0430 0.0000 0.0752 0.0845 0.0658
 0.0847 0.1894 0.1073 0.0682 0.0984 0.0135 -0.0033 0.0508 0.0000
 0.0000 0.0000 0.0000 -0.0477 -0.0135 0.0763 0.0000 0.0000 0.0000
 -0.0428 -0.0801 0.0966 0.0699 0.2150 0.0446 0.0821 -0.1551 -
 0.0809 -0.0216 0.0000 0.0719 0.0675 0.0000 0.0510 -0.0334 0.0180
 -0.0172 0.0000 0.0017 -0.0700 -0.1674 0.0000 0.0000 0.1070 0.0000
 0.0000 0.0000 0.0000 0.0000 -0.0607 0.0000 0.0000 0.0000 0.0000
 -0.0700 -0.0535 0.1065 0.0359 0.3409 -0.0810 0.1636 0.1450
 0.0611 -0.1269 0.0000 0.2231 0.0665 0.0000 0.0000 0.0016 0.0383
 0.0993 0.0000 0.0786 0.0750 0.0412 0.0000 0.0000 0.1785 0.0000
 0.0000 0.0000 0.0000 0.8141 0.7360 0.0000 0.0000 0.0000 0.0000
 0.1996 0.1505 0.2617 0.3730 0.5381 0.2324 0.1982 0.2656
 0.1567 0.2063 0.0000 0.2759 0.2503 0.0000 0.4480 0.3283 0.2035
 0.0731 0.0000 0.0912 0.2136 0.2826 0.0000 0.0000 0.1702 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0788 0.0000 0.0000 0.0000 0.0000
 0.0189 0.0305 0.0192 0.0181 0.0070 -0.0207 -0.0089 -0.0069
 0.0510 0.0031 -0.0349 0.0230 0.0588 0.0000 0.0140 0.0308 0.0128
 0.0016 -0.0304 0.0602 0.0289 0.0721 -0.0243 0.0000 0.0255 0.0000
 0.0000 0.0000 0.0000 0.1007 0.0568 0.0000 0.0000 0.0000 0.0000
 0.0004 -0.0228 -0.0208 0.0171 0.0441 -0.0068 0.0013 -0.0058 -
 0.0094 -0.0075 0.0214 0.0043 0.0187 0.0000 -0.0218 0.0102 0.0200
 -0.0032 -0.0329 -0.0333 -0.0147 -0.0285 0.0461 0.0060 0.0126 0.0000
 0.0248 0.0000 0.0000 -0.0239 0.0240 -0.0340 0.0000 0.1218
 -0.0293 -0.0366 -0.0394 -0.0210 -0.0379 -0.0541 -0.0433 -0.0301 -
 0.0140 -0.0178 -0.0401 -0.0308 -0.0170 0.0115 -0.0591 -0.0248 -0.0131
 -0.0100 -0.0439 -0.0076 -0.0172 0.0055 -0.0185 0.0099 -0.0074 0.0000
 -0.0632 0.0000 0.0000 0.0177 0.0306 -0.0403 0.0000 0.1509
 0.0589 0.0685 0.0645 0.0663 0.0681 0.0340 0.0945 0.0575
 0.0691 0.0497 0.1279 0.0756 0.0512 0.0000 0.0302 0.0423 0.0441
 0.0704 0.0277 -0.0319 0.0653 -0.0153 0.0289 0.1530 0.0604 0.0000
 0.0543 0.0000 0.0000 0.1328 0.0391 -0.0002 0.0000 0.1700
 0.1455 0.0725 0.1499 0.1592 0.2161 0.1006 0.1518 0.0623
 0.0589 0.0770 0.0880 0.1290 0.1364 0.0000 0.2373 0.0642 0.0785
 0.0876 0.2058 0.0358 0.0882 0.0542 0.1949 0.2103 0.0806 0.0000
 0.0000 0.0000 0.0000 -0.0140 0.1868 0.0000 0.0000 0.0000 0.0000
 -0.0282 0.0566 -0.0253 0.0450 0.0457 0.0169 -0.0113 0.0873
 0.2132 0.0949 0.1117 0.1425 0.1329 0.0000 0.0479 0.0607 0.0590

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0427 | -0.0509 | 0.0442 | 0.1147 | 0.0569 | 0.0867 | -0.1473 | 0.0536 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0935 | 0.1358 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0419 | 0.1242 | 0.0739 | 0.0412 | -0.0547 | 0.1050 | 0.2614 | 0.0777 | |
| 0.0844 | 0.0701 | 0.1007 | 0.1442 | -0.0480 | 0.0000 | -0.0290 | 0.2371 | 0.1174 |
| 0.1374 | -0.1668 | 0.1629 | 0.1450 | 0.2145 | -0.1820 | -0.0815 | 0.0941 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1222 | 0.0263 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0943 | 0.1440 | 0.0839 | 0.0772 | 0.0353 | 0.1311 | 0.2392 | 0.0729 | - |
| 0.0043 | 0.1563 | -0.1211 | 0.1991 | 0.0051 | 0.0000 | 0.1286 | 0.2361 | 0.0693 |
| 0.1388 | 0.0458 | 0.2133 | 0.1530 | 0.2224 | -0.0619 | -0.0309 | 0.0555 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0986 | -0.0140 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0327 | -0.0168 | -0.0123 | -0.0254 | -0.0601 | -0.0474 | -0.0258 | -0.0120 | |
| 0.0223 | 0.0033 | -0.0512 | -0.0232 | 0.0025 | 0.0000 | -0.0258 | -0.0345 | -0.0018 |
| -0.0185 | -0.0663 | -0.0049 | -0.0078 | -0.0015 | -0.0026 | -0.0921 | 0.0000 | 0.0000 |
| -0.1092 | 0.0000 | 0.0000 | -0.0132 | -0.0602 | 0.0116 | 0.0000 | 0.0000 | |
| 0.0539 | 0.6168 | 0.3957 | 0.3510 | 0.0000 | 0.0000 | 0.6574 | 0.1663 | - |
| 0.0246 | -0.1383 | 0.0000 | 0.0000 | 0.0042 | 0.0000 | 0.0000 | 0.2328 | 0.6846 |
| 0.6245 | 0.0000 | 0.7682 | 0.2573 | 0.8965 | 0.0000 | 0.0000 | 0.1840 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0283 | 0.0828 | -0.0035 | 0.0822 | 0.0259 | 0.0697 | 0.0514 | 0.1413 | |
| 0.1365 | 0.1016 | 0.1877 | 0.0437 | 0.1178 | 0.0000 | 0.1296 | 0.0817 | 0.0755 |
| 0.1001 | -0.0046 | 0.1028 | 0.0958 | 0.0376 | 0.1367 | -0.0054 | 0.1306 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0055 | 0.0540 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0372 | -0.0313 | -0.0397 | -0.0413 | -0.0291 | -0.0296 | -0.0326 | -0.0206 | - |
| 0.0437 | -0.0347 | -0.0578 | -0.0588 | -0.0305 | 0.0000 | -0.0088 | -0.0337 | -0.0164 |
| -0.0014 | -0.0490 | -0.0123 | -0.0284 | -0.0061 | 0.0129 | -0.1191 | -0.0165 | 0.0000 |
| -0.1771 | 0.0000 | 0.0000 | 0.0123 | -0.0759 | 0.0479 | 0.0000 | 0.0000 | |
| 0.0261 | 0.0427 | 0.0017 | 0.0215 | -0.0103 | -0.0076 | 0.0591 | 0.0921 | |
| 0.0391 | 0.1294 | -0.0875 | 0.0103 | 0.0419 | 0.0000 | 0.0315 | 0.0503 | 0.0757 |
| 0.0373 | 0.0756 | 0.0710 | 0.0397 | 0.0635 | 0.0639 | 0.0602 | 0.0212 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0977 | 0.1031 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0400 | 0.0928 | 0.0335 | 0.0332 | 0.0020 | 0.0598 | 0.0854 | 0.0153 | |
| 0.1304 | 0.0884 | -0.0012 | 0.0690 | 0.0527 | 0.0000 | 0.0949 | 0.1014 | 0.0767 |
| 0.0766 | 0.0335 | 0.1229 | 0.0824 | 0.1459 | -0.0241 | 0.0233 | 0.0783 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0593 | -0.0129 | 0.1004 | 0.0000 | 0.0000 | |
| 0.0275 | -0.0270 | 0.1197 | 0.0061 | 0.0561 | 0.0508 | -0.0162 | -0.1629 | - |
| 0.2673 | -0.1268 | 0.0000 | 0.2207 | 0.1117 | 0.0000 | 0.0749 | -0.1272 | 0.0745 |
| 0.0197 | 0.0000 | -0.0830 | -0.0865 | -0.0592 | 0.0000 | 0.0000 | 0.1451 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.2443 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0969 | -0.0009 | 0.1416 | 0.0525 | 0.4554 | 0.0336 | 0.0934 | 0.0665 | |
| 0.1172 | -0.0108 | 0.0000 | 0.2873 | 0.0874 | 0.0000 | 0.0000 | 0.1244 | 0.0729 |
| -0.0065 | 0.0000 | 0.0792 | 0.1116 | 0.1597 | 0.0000 | 0.0000 | 0.3836 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.4852 | 0.5376 | 0.0000 | 0.0000 | 0.0000 | |
| 0.2804 | 0.1574 | 0.2950 | 0.3462 | 0.4980 | 0.2824 | 0.3350 | 0.2134 | - |
| 0.0135 | 0.0040 | 0.0000 | 0.4008 | 0.2087 | 0.0000 | 0.2550 | 0.4098 | 0.1766 |
| 0.1108 | 0.0000 | 0.1690 | 0.1375 | 0.2308 | 0.0000 | 0.0000 | 0.0760 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.1272 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0159 | 0.0262 | 0.0205 | 0.0428 | 0.0134 | -0.0265 | 0.0277 | -0.0016 | - |
| 0.0194 | 0.0068 | 0.1054 | 0.0217 | 0.0590 | 0.0000 | 0.0326 | 0.0278 | 0.0431 |
| 0.0372 | -0.0353 | 0.0507 | 0.0246 | 0.0907 | 0.1566 | 0.0000 | 0.0275 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1185 | 0.0205 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0062 | -0.0215 | -0.0109 | 0.0174 | 0.0461 | 0.0059 | -0.0064 | -0.0054 | |
| 0.0120 | 0.0071 | -0.0018 | 0.0071 | 0.0269 | 0.0000 | -0.0056 | 0.0144 | 0.0042 |
| -0.0100 | -0.0434 | -0.0242 | -0.0209 | -0.0298 | 0.0333 | -0.0213 | 0.0082 | 0.0000 |
| 0.0273 | 0.0000 | 0.0000 | 0.0226 | 0.0205 | 0.0645 | 0.0000 | 0.0177 | |
| -0.0339 | -0.0305 | -0.0304 | -0.0093 | -0.0291 | -0.0576 | -0.0497 | -0.0031 | - |
| 0.0074 | -0.0053 | -0.0358 | -0.0245 | -0.0168 | -0.1187 | -0.0453 | -0.0280 | -0.0033 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -0.0121 | -0.0839 | -0.0099 | -0.0212 | 0.0041 | 0.0052 | -0.0252 | -0.0088 | 0.0000 |
| 0.0272 | 0.0000 | 0.0000 | 0.0124 | 0.0229 | -0.0088 | 0.0000 | 0.1784 | |
| | 0.0729 | 0.0713 | 0.0777 | 0.0677 | 0.0713 | 0.0765 | 0.1010 | 0.0839 |
| 0.0814 | 0.0520 | 0.0902 | 0.0948 | 0.0448 | 0.0000 | 0.0429 | 0.0337 | 0.0657 |
| 0.0885 | 0.0558 | -0.0269 | 0.0709 | -0.0409 | 0.1716 | 0.2775 | 0.0777 | 0.0000 |
| 0.1447 | 0.0000 | 0.0000 | 0.0191 | 0.1064 | 0.1022 | 0.0000 | 0.2737 | |
| | 0.1417 | 0.0994 | 0.1634 | 0.1673 | 0.1842 | 0.1228 | 0.2391 | 0.0818 |
| 0.1008 | 0.0780 | 0.1812 | 0.1706 | 0.1535 | 0.0000 | 0.1889 | 0.0794 | 0.0707 |
| 0.0818 | 0.0502 | 0.0305 | 0.1254 | 0.0495 | 0.2633 | 0.1488 | 0.1336 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0419 | 0.1733 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0089 | 0.0741 | 0.0302 | 0.0176 | 0.0600 | 0.0709 | 0.0107 | 0.0694 |
| 0.1765 | 0.1646 | 0.1886 | 0.0851 | 0.1430 | 0.0000 | 0.0143 | 0.0353 | 0.0964 |
| 0.1230 | -0.0764 | 0.0763 | 0.1465 | 0.1285 | 0.1467 | -0.1115 | 0.0647 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1452 | 0.2589 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0691 | 0.1029 | 0.0498 | 0.0661 | 0.0711 | 0.1251 | 0.2624 | 0.0118 |
| 0.0610 | 0.1028 | -0.0734 | 0.1402 | -0.0124 | 0.0000 | 0.0795 | 0.2244 | 0.0837 |
| 0.0532 | -0.1255 | 0.1941 | 0.1398 | 0.2182 | -0.1192 | 0.1441 | 0.0629 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0418 | -0.0816 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.1012 | 0.1400 | 0.0789 | 0.0606 | 0.0382 | 0.1839 | 0.2547 | 0.0443 |
| 0.0122 | 0.0710 | -0.1210 | 0.1479 | -0.0047 | 0.0000 | 0.0993 | 0.2580 | 0.0756 |
| 0.1667 | 0.1522 | 0.2284 | 0.1245 | 0.2236 | -0.0814 | 0.0848 | 0.0582 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0902 | 0.0549 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0179 | -0.0042 | -0.0033 | -0.0152 | -0.0121 | -0.0311 | -0.0065 | -0.0005 |
| 0.0076 | 0.0089 | -0.0328 | 0.0330 | 0.0077 | 0.0000 | -0.0099 | -0.0193 | -0.0115 |
| -0.0176 | -0.0904 | 0.0099 | 0.0019 | 0.0039 | -0.0233 | -0.0455 | 0.0010 | 0.0000 |
| -0.2520 | 0.0000 | 0.0000 | 0.0832 | -0.0138 | 0.1719 | 0.0000 | 0.0000 | |
| | 0.3013 | 0.6667 | 0.3344 | 0.2496 | 0.0000 | 0.0000 | 0.6475 | 0.0622 |
| 0.0543 | 0.3349 | 0.0000 | 0.0000 | -0.0257 | 0.0000 | 0.0000 | 0.4401 | 0.3464 |
| 0.5406 | 0.0000 | 0.8039 | 0.1124 | 0.8964 | 0.0000 | 0.0000 | 0.4738 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0136 | 0.1046 | 0.0186 | 0.0643 | 0.0197 | 0.1017 | 0.0690 | 0.1562 |
| 0.1233 | 0.0960 | 0.3384 | 0.1162 | 0.1070 | 0.0000 | 0.0540 | 0.0775 | 0.0996 |
| 0.0475 | 0.0940 | 0.1142 | 0.0855 | 0.0776 | 0.0417 | -0.0146 | 0.1177 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1457 | -0.0175 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0301 | -0.0308 | -0.0490 | -0.0245 | -0.0330 | -0.0461 | -0.0459 | -0.0109 |
| 0.0074 | -0.0034 | -0.0040 | -0.0004 | -0.0457 | 0.0000 | -0.0545 | -0.0270 | -0.0163 |
| -0.0243 | 0.0336 | -0.0228 | -0.0146 | -0.0103 | -0.1258 | -0.1246 | -0.0033 | 0.0000 |
| -0.0560 | 0.0000 | 0.0000 | 0.0522 | -0.1005 | 0.0889 | 0.0000 | 0.0000 | |
| | 0.0375 | 0.0485 | 0.0240 | 0.0465 | 0.0346 | 0.0336 | 0.0301 | 0.0150 |
| 0.1034 | 0.0691 | 0.0951 | 0.0186 | 0.0442 | 0.0000 | 0.0178 | 0.0436 | 0.0853 |
| 0.0845 | 0.1754 | 0.0649 | 0.0410 | 0.0874 | 0.0959 | 0.1078 | 0.0435 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0432 | 0.0264 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0477 | 0.1030 | 0.0540 | 0.0498 | 0.0006 | 0.0678 | 0.1019 | 0.0325 |
| 0.0323 | 0.0843 | 0.0265 | 0.0926 | 0.0391 | 0.0000 | 0.0878 | 0.0951 | 0.0817 |
| 0.0968 | 0.0548 | 0.1442 | 0.0923 | 0.1335 | 0.0287 | 0.0446 | 0.0966 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0232 | 0.0538 | -0.0642 | 0.0000 | 0.0000 | |
| | 0.0648 | -0.0285 | 0.0705 | 0.0383 | 0.1199 | 0.1549 | -0.0240 | -0.0292 |
| 0.0304 | 0.0051 | 0.0000 | 0.0376 | -0.0565 | 0.0000 | -0.1390 | 0.0043 | 0.0509 |
| -0.0431 | 0.0000 | -0.0712 | 0.0531 | 0.0492 | 0.0000 | 0.0000 | 0.2533 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.1679 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0470 | 0.0014 | 0.0681 | 0.0677 | 0.3947 | -0.0754 | -0.0137 | 0.1363 |
| 0.2729 | 0.2787 | 0.0000 | 0.1747 | 0.0688 | 0.0000 | 0.0000 | 0.1267 | 0.1732 |
| 0.1678 | 0.0000 | 0.0555 | -0.0235 | 0.2026 | 0.0000 | 0.0000 | 0.2336 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0194 | 0.5460 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.3878 | 0.1548 | 0.3083 | 0.2896 | 0.5033 | 0.2156 | 0.3532 | 0.1652 |
| 0.0854 | 0.1808 | 0.0000 | 0.2444 | 0.2312 | 0.0000 | 0.5817 | 0.3814 | 0.1339 |

| | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0.1506 | 0.0000 | 0.1704 | 0.2078 | 0.0817 | 0.0000 | 0.0000 | 0.0000 | 0.0151 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0324 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0253 | 0.0248 | 0.0083 | 0.0440 | 0.0013 | 0.0108 | 0.0288 | 0.0340 | | |
| 0.0077 | 0.0461 | 0.0535 | 0.0692 | 0.0215 | 0.0000 | 0.0320 | 0.0637 | 0.0433 | |
| 0.0508 | -0.0345 | 0.0329 | 0.0337 | 0.0591 | 0.1690 | 0.0000 | 0.0408 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0322 | -0.0151 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0166 | -0.0216 | -0.0067 | 0.0164 | 0.0676 | 0.0138 | -0.0061 | 0.0200 | | |
| 0.0398 | 0.0147 | 0.0211 | 0.0286 | 0.0345 | 0.0000 | -0.0166 | 0.0093 | 0.0076 | |
| -0.0071 | -0.0280 | -0.0239 | -0.0188 | -0.0238 | -0.0142 | -0.0112 | 0.0201 | 0.0000 | |
| -0.0445 | 0.0000 | 0.0000 | 0.0477 | 0.0261 | 0.0371 | 0.0000 | -0.1752 | | |
| -0.0261 | -0.0248 | -0.0293 | -0.0077 | -0.0087 | -0.0468 | -0.0267 | 0.0000 | | |
| 0.0110 | -0.0109 | -0.0282 | -0.0327 | -0.0196 | -0.0690 | -0.0354 | -0.0231 | -0.0124 | |
| -0.0047 | -0.0481 | 0.0044 | -0.0171 | 0.0138 | -0.0195 | -0.0679 | -0.0006 | 0.0000 | |
| 0.0748 | 0.0000 | 0.0000 | 0.0278 | 0.0145 | 0.0615 | 0.0000 | 0.1514 | | |
| 0.0781 | 0.0669 | 0.0851 | 0.0657 | 0.0956 | 0.0702 | 0.0747 | 0.0672 | | |
| 0.0898 | 0.0972 | 0.0367 | 0.1062 | 0.0460 | 0.0000 | 0.0125 | 0.0377 | 0.0707 | |
| 0.0889 | 0.0588 | -0.0454 | 0.0626 | -0.0647 | 0.2229 | 0.2148 | 0.0860 | 0.0000 | |
| 0.2027 | 0.0000 | 0.0000 | 0.0991 | 0.1016 | 0.0743 | 0.0000 | 0.0111 | | |
| 0.1335 | 0.1032 | 0.1966 | 0.1639 | 0.2580 | 0.1253 | 0.2153 | 0.0768 | | |
| 0.0877 | 0.0923 | 0.1550 | 0.1328 | 0.1675 | 0.0000 | 0.1584 | 0.1144 | 0.0855 | |
| 0.0705 | -0.0097 | 0.0308 | 0.1163 | 0.0826 | 0.1150 | 0.2155 | 0.1524 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0678 | 0.1897 | 0.0000 | 0.0000 | 0.0000 | | |
| -0.0123 | 0.0810 | 0.0404 | 0.0249 | -0.0300 | 0.0990 | 0.0378 | 0.0520 | | |
| 0.1764 | 0.1037 | 0.3157 | 0.1482 | 0.1145 | 0.0000 | 0.0882 | 0.0265 | 0.0586 | |
| 0.0680 | 0.1103 | 0.0861 | 0.0960 | 0.1501 | -0.0122 | -0.0190 | 0.1043 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.2415 | -0.0956 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0058 | 0.1549 | 0.0450 | 0.0473 | 0.0095 | 0.0862 | 0.2588 | 0.0221 | | |
| 0.0824 | 0.1734 | -0.0074 | 0.0731 | 0.0258 | 0.0000 | 0.1339 | 0.2177 | 0.0843 | |
| 0.0954 | 0.2039 | 0.2104 | 0.1158 | 0.2283 | -0.1204 | -0.0196 | 0.0674 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0758 | -0.0471 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0388 | 0.1590 | 0.0722 | 0.0809 | -0.0110 | 0.1957 | 0.2970 | 0.0243 | - | |
| 0.0008 | 0.0897 | 0.1774 | 0.1124 | 0.0574 | 0.0000 | 0.1574 | 0.2718 | 0.0877 | |
| 0.1894 | 0.1080 | 0.2293 | 0.1240 | 0.2389 | 0.1468 | 0.0514 | 0.1305 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0023 | -0.0553 | 0.0000 | 0.0000 | 0.0000 | | |
| -0.0063 | -0.0043 | -0.0051 | 0.0070 | 0.0025 | -0.0255 | -0.0249 | 0.0079 | | |
| 0.0201 | 0.0062 | -0.0439 | 0.0106 | 0.0316 | 0.0000 | -0.0377 | -0.0195 | -0.0038 | |
| -0.0068 | -0.0414 | 0.0143 | -0.0028 | 0.0050 | 0.0312 | -0.0170 | 0.0119 | 0.0000 | |
| -0.0949 | 0.0000 | 0.0000 | 0.0089 | -0.0359 | -0.0360 | 0.0000 | 0.0000 | | |
| 0.4571 | 0.6889 | 0.3434 | 0.2414 | 0.0000 | 0.0000 | 0.4528 | 0.6039 | - | |
| 0.0320 | 0.4216 | 0.0000 | 0.0000 | 0.1684 | 0.0000 | 0.0000 | 0.4074 | 0.2402 | |
| 0.6035 | 0.0000 | 0.8786 | 0.3189 | 1.1462 | 0.0000 | 0.0000 | 0.4237 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0082 | 0.1132 | 0.0188 | 0.0797 | 0.0349 | 0.1230 | 0.1062 | 0.1241 | | |
| 0.1187 | 0.1108 | 0.3021 | 0.1844 | 0.0981 | 0.0000 | 0.0944 | 0.0929 | 0.0847 | |
| 0.0842 | 0.0707 | 0.0975 | 0.1056 | 0.1443 | 0.0956 | 0.0758 | 0.1071 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0789 | -0.0012 | 0.0000 | 0.0000 | 0.0000 | | |
| -0.0275 | -0.0234 | -0.0349 | -0.0153 | -0.0201 | -0.0385 | -0.0356 | -0.0280 | | |
| 0.0171 | -0.0277 | 0.0130 | -0.0107 | -0.0274 | 0.0000 | -0.0396 | -0.0471 | -0.0136 | |
| -0.0213 | -0.0215 | -0.0194 | -0.0231 | -0.0160 | -0.1117 | -0.0755 | -0.0143 | 0.0000 | |
| -0.1915 | 0.0000 | 0.0000 | -0.0134 | -0.0772 | -0.0729 | 0.0000 | 0.0000 | | |
| -0.0120 | 0.0242 | 0.0466 | 0.0737 | 0.0050 | 0.0016 | 0.0156 | 0.0730 | | |
| 0.1444 | 0.0799 | 0.2083 | 0.0362 | 0.0225 | 0.0000 | 0.0222 | 0.0850 | 0.0607 | |
| 0.0469 | 0.0196 | 0.0724 | 0.0459 | 0.0794 | 0.0073 | 0.1448 | 0.0678 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0186 | -0.1261 | 0.0000 | 0.0000 | 0.0000 | | |
| 0.0442 | 0.1127 | 0.0459 | 0.0710 | 0.0081 | 0.0944 | 0.0794 | 0.0749 | | |
| 0.0297 | 0.1003 | 0.1345 | 0.0786 | 0.0502 | 0.0000 | 0.0978 | 0.0897 | 0.0746 | |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.1047 | 0.0897 | 0.1559 | 0.1011 | 0.1144 | 0.0727 | 0.0889 | 0.0782 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1167 | -0.0587 | -0.0067 | 0.0000 | 0.0000 | |
| 0.0960 | -0.0048 | 0.0411 | 0.0452 | 0.0767 | -0.0620 | -0.0299 | 0.0177 | |
| 0.0752 | -0.0249 | 0.0000 | 0.1606 | -0.0121 | 0.0000 | -0.0905 | 0.0315 | 0.0297 |
| -0.0704 | 0.0000 | -0.0594 | 0.0011 | -0.1205 | 0.0000 | 0.0000 | 0.0390 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.1220 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.1419 | 0.0594 | -0.0770 | 0.1272 | 0.2807 | 0.0623 | -0.0107 | 0.0676 | |
| 0.1569 | 0.2277 | 0.0000 | 0.0921 | 0.0910 | 0.0000 | 0.0000 | 0.0660 | 0.1700 |
| 0.0825 | 0.0000 | 0.0169 | -0.0395 | 0.0697 | 0.0000 | 0.0000 | 0.1722 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.6274 | 0.7603 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3687 | 0.1705 | 0.3429 | 0.3225 | 0.3986 | 0.2479 | 0.3536 | 0.1363 | |
| 0.0892 | 0.1315 | 0.0000 | 0.1200 | 0.1736 | 0.0000 | 0.4574 | 0.4204 | 0.2044 |
| 0.2161 | 0.0000 | 0.1143 | 0.1698 | 0.1512 | 0.0000 | 0.0000 | 0.1418 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.1504 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 0.0080 | 0.0383 | 0.0010 | 0.0267 | 0.0424 | 0.0036 | 0.0487 | 0.0419 | |
| 0.0458 | 0.0887 | 0.0244 | 0.0582 | 0.0081 | 0.0000 | -0.0305 | 0.0710 | 0.0242 |
| 0.0588 | -0.0312 | 0.0696 | 0.0334 | 0.0372 | 0.1010 | 0.0000 | 0.0342 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0596 | -0.0075 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0201 | -0.0219 | 0.0080 | 0.0094 | 0.0508 | 0.0235 | -0.0107 | 0.0098 | |
| 0.0310 | 0.0132 | -0.0028 | 0.0337 | 0.0336 | 0.0000 | 0.0007 | -0.0018 | 0.0064 |
| -0.0048 | -0.0032 | -0.0301 | -0.0207 | -0.0290 | -0.0224 | -0.0091 | 0.0349 | 0.0000 |
| 0.1013 | 0.0000 | 0.0000 | 0.0487 | 0.0208 | 0.0619 | 0.0000 | -0.1196 | |
| -0.0176 | -0.0189 | -0.0275 | -0.0118 | -0.0225 | -0.0317 | -0.0137 | 0.0094 | |
| 0.0244 | -0.0114 | -0.0082 | -0.0267 | -0.0132 | -0.0183 | -0.0164 | -0.0249 | -0.0124 |
| -0.0158 | -0.0035 | 0.0043 | -0.0104 | 0.0120 | -0.0249 | -0.0880 | 0.0005 | 0.0000 |
| -0.0288 | 0.0000 | 0.0000 | 0.0147 | -0.0210 | 0.0136 | 0.0000 | 0.0464 | |
| 0.0774 | 0.0554 | 0.0771 | 0.0848 | 0.0930 | 0.0792 | 0.0661 | 0.0701 | |
| 0.0935 | 0.0660 | 0.1001 | 0.0893 | 0.0336 | 0.0000 | 0.0491 | 0.0365 | 0.0510 |
| 0.0704 | 0.1248 | -0.0542 | 0.0500 | -0.0849 | 0.1400 | 0.1505 | 0.1029 | 0.0000 |
| 0.1232 | 0.0000 | 0.0000 | 0.0324 | 0.0840 | 0.0759 | 0.0000 | 0.0205 | |
| 0.1436 | 0.1164 | 0.1865 | 0.1592 | 0.2619 | 0.1357 | 0.1881 | 0.0756 | |
| 0.1102 | 0.1275 | 0.1085 | 0.1134 | 0.1917 | 0.0000 | 0.2291 | 0.1316 | 0.1315 |
| 0.1136 | 0.1484 | 0.0523 | 0.1138 | 0.0343 | 0.1952 | 0.1690 | 0.1468 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0406 | 0.1785 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0016 | 0.0920 | 0.0069 | 0.0354 | -0.0196 | 0.0715 | 0.0234 | 0.1101 | |
| 0.1712 | 0.0390 | 0.2059 | -0.0165 | 0.1045 | 0.0000 | 0.1137 | 0.0802 | 0.0552 |
| 0.1395 | 0.0817 | 0.1052 | 0.0424 | 0.0933 | 0.0374 | 0.0166 | 0.0766 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1423 | -0.1306 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0542 | 0.1424 | 0.0446 | 0.0664 | -0.1042 | 0.1470 | 0.2278 | 0.0101 | |
| 0.0522 | 0.1619 | 0.3796 | 0.0709 | 0.0226 | 0.0000 | 0.0365 | 0.2215 | 0.0714 |
| 0.1198 | 0.2863 | 0.2274 | 0.1233 | 0.2245 | -0.1905 | 0.1667 | 0.0090 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0108 | -0.0864 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0661 | 0.1697 | 0.0605 | 0.0785 | 0.0171 | 0.1917 | 0.2656 | 0.0410 | |
| 0.0638 | 0.1174 | 0.0638 | 0.1062 | 0.0522 | 0.0000 | 0.0701 | 0.2902 | 0.1102 |
| 0.2023 | 0.2615 | 0.2575 | 0.1386 | 0.2568 | 0.0008 | 0.2377 | 0.1440 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0431 | 0.0282 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0038 | -0.0008 | -0.0154 | 0.0093 | -0.0127 | -0.0127 | -0.0246 | 0.0265 | |
| 0.0132 | -0.0017 | -0.0150 | -0.0168 | 0.0189 | 0.0000 | -0.0097 | -0.0119 | 0.0008 |
| 0.0149 | -0.0033 | 0.0136 | -0.0002 | 0.0250 | -0.0261 | -0.0081 | 0.0145 | 0.0000 |
| -0.0145 | 0.0000 | 0.0000 | 0.0013 | -0.0318 | 0.0942 | 0.0000 | 0.0000 | |
| 0.3760 | 0.4789 | 0.4130 | 0.1368 | 0.0000 | 0.0000 | 0.4102 | -0.0561 | |
| 0.0873 | 0.5694 | 0.0000 | 0.0000 | 0.1903 | 0.0000 | 0.0000 | 0.7529 | 0.4233 |
| 0.4609 | 0.0000 | 0.9995 | 0.7597 | 1.5433 | 0.0000 | 0.0000 | 0.5716 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0049 | 0.1085 | 0.0320 | 0.0433 | -0.0197 | 0.0854 | 0.0909 | 0.0935 | |
| 0.1235 | 0.0922 | 0.1582 | 0.1544 | 0.0871 | 0.0000 | 0.1803 | 0.0758 | 0.0653 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0358 | -0.0263 | 0.1047 | 0.1097 | 0.1427 | 0.0936 | -0.0052 | 0.0692 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0571 | -0.0118 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0278 | -0.0187 | -0.0350 | -0.0106 | -0.0221 | -0.0545 | -0.0425 | 0.0086 |
| 0.0035 | -0.0104 | 0.0573 | -0.0470 | -0.0308 | 0.0000 | -0.0309 | -0.0557 | -0.0150 |
| -0.0027 | -0.1005 | -0.0038 | -0.0253 | -0.0301 | -0.0663 | -0.0665 | -0.0452 | 0.0000 |
| -0.0835 | 0.0000 | 0.0000 | -0.0384 | -0.0470 | -0.0432 | 0.0000 | 0.0000 | |
| | 0.0102 | 0.0651 | 0.0422 | 0.0638 | 0.0129 | -0.0002 | 0.0714 | 0.1455 |
| 0.1555 | 0.0475 | 0.1077 | 0.0821 | 0.0385 | 0.0000 | 0.0668 | 0.0815 | 0.0304 |
| 0.0565 | 0.0879 | 0.0965 | 0.0510 | 0.0420 | 0.1169 | 0.3314 | 0.0943 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0960 | -0.2158 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0679 | 0.1118 | 0.0353 | 0.0734 | -0.0399 | 0.0791 | 0.0817 | 0.0685 |
| 0.0516 | 0.0915 | 0.1084 | 0.0535 | 0.0604 | 0.0000 | 0.0957 | 0.0896 | 0.0595 |
| 0.1174 | 0.0190 | 0.1442 | 0.1109 | 0.1506 | 0.0317 | 0.0150 | 0.0845 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0736 | -0.0792 | 0.0430 | 0.0000 | 0.0000 | |
| | 0.1408 | -0.0079 | 0.0271 | 0.0155 | 0.0378 | -0.1003 | -0.0158 | -0.0433 |
| 0.0004 | -0.0556 | 0.0000 | 0.1433 | 0.0074 | 0.0000 | -0.1747 | 0.0747 | 0.0409 |
| -0.0141 | 0.0000 | -0.0878 | -0.0437 | -0.0987 | 0.0000 | 0.0000 | 0.0242 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.2277 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.1283 | 0.0178 | -0.0172 | 0.1717 | 0.1695 | 0.1141 | -0.1366 | 0.1032 |
| 0.1057 | 0.1379 | 0.0000 | 0.0076 | 0.0689 | 0.0000 | 0.0000 | -0.0636 | 0.0919 |
| 0.0368 | 0.0000 | -0.0002 | -0.0106 | 0.0155 | 0.0000 | 0.0000 | 0.1080 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.4218 | 1.0686 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.3561 | 0.2409 | 0.3808 | 0.2707 | 0.5089 | 0.2852 | 0.3863 | 0.2626 |
| 0.1941 | 0.0659 | 0.0000 | 0.0892 | 0.2431 | 0.0000 | 0.3429 | 0.4081 | 0.2276 |
| 0.2847 | 0.0000 | 0.1830 | 0.1661 | 0.1838 | 0.0000 | 0.0000 | 0.1527 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.6152 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0304 | 0.0485 | 0.0336 | 0.0392 | -0.0006 | 0.0367 | 0.0443 | 0.0544 |
| 0.1035 | 0.0053 | 0.0573 | 0.0429 | 0.0192 | 0.0000 | 0.0047 | 0.0560 | 0.0496 |
| 0.0588 | 0.0536 | 0.0569 | 0.0558 | 0.0153 | -0.0466 | 0.0000 | 0.0477 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0038 | 0.1063 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0207 | -0.0224 | 0.0157 | 0.0144 | 0.0463 | 0.0162 | 0.0021 | 0.0105 |
| 0.0409 | -0.0184 | 0.0411 | 0.0135 | 0.0354 | 0.0000 | 0.0197 | -0.0132 | 0.0033 |
| 0.0095 | 0.0154 | -0.0243 | -0.0167 | -0.0269 | -0.0236 | -0.0373 | 0.0414 | 0.0000 |
| 0.0106 | 0.0000 | 0.0000 | 0.0393 | 0.0505 | 0.0263 | 0.0000 | -0.0143 | |
| | -0.0125 | -0.0108 | -0.0097 | -0.0061 | -0.0266 | -0.0211 | -0.0129 | 0.0406 |
| 0.0131 | -0.0012 | -0.0042 | -0.0165 | -0.0036 | 0.0390 | -0.0304 | -0.0255 | -0.0017 |
| -0.0100 | -0.0166 | 0.0142 | -0.0063 | 0.0209 | -0.0327 | -0.0678 | 0.0146 | 0.0000 |
| -0.0652 | 0.0000 | 0.0000 | 0.0259 | 0.0063 | 0.0113 | 0.0000 | 0.1593 | |
| | 0.0694 | 0.0602 | 0.0792 | 0.0649 | 0.1260 | 0.0930 | 0.0602 | 0.0725 |
| 0.0966 | 0.0764 | 0.1728 | 0.1135 | 0.0400 | 0.0000 | 0.0784 | 0.0568 | 0.0576 |
| 0.0724 | 0.0045 | -0.0434 | 0.0659 | -0.0455 | 0.1525 | 0.1840 | 0.1015 | 0.0000 |
| 0.1349 | 0.0000 | 0.0000 | -0.0403 | 0.0965 | 0.1557 | 0.0000 | 0.0771 | |
| | 0.1652 | 0.1271 | 0.1653 | 0.1500 | 0.2028 | 0.1292 | 0.1945 | 0.0973 |
| 0.0199 | 0.1339 | 0.1460 | 0.1876 | 0.1441 | 0.0000 | 0.2053 | 0.1606 | 0.1442 |
| 0.0850 | 0.2205 | 0.0562 | 0.1109 | 0.0238 | 0.2557 | 0.2394 | 0.1376 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0509 | 0.1877 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0304 | 0.1065 | 0.0173 | 0.0031 | 0.0293 | 0.1366 | 0.0342 | 0.2067 |
| 0.1616 | 0.0396 | 0.1218 | 0.0950 | 0.0159 | 0.0000 | 0.0128 | 0.1418 | 0.0895 |
| 0.1186 | 0.1248 | 0.1101 | 0.0940 | 0.1459 | 0.3154 | -0.0244 | 0.1378 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0509 | -0.2378 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0551 | 0.1496 | 0.0591 | 0.0937 | -0.0460 | 0.1248 | 0.2368 | -0.0674 |
| 0.0549 | 0.1019 | 0.1501 | 0.1646 | -0.0116 | 0.0000 | 0.1288 | 0.2504 | 0.1054 |
| 0.1271 | 0.1561 | 0.2408 | 0.1275 | 0.2340 | 0.0731 | 0.0431 | 0.0752 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0305 | -0.2291 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0568 | 0.1662 | 0.0554 | 0.0844 | 0.0290 | 0.2041 | 0.2297 | 0.0758 |
| 0.0803 | 0.1268 | 0.0366 | 0.1429 | 0.0765 | 0.0000 | 0.1163 | 0.2540 | 0.1379 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.2284 | 0.1226 | 0.2574 | 0.1501 | 0.2762 | -0.0437 | 0.1250 | 0.1394 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1039 | -0.0542 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0098 | 0.0107 | -0.0123 | 0.0060 | -0.0140 | -0.0081 | -0.0016 | 0.0229 | - |
| 0.0133 | 0.0106 | 0.0136 | -0.0074 | 0.0129 | 0.0000 | -0.0281 | -0.0031 | 0.0076 |
| 0.0156 | 0.0219 | 0.0307 | 0.0086 | 0.0243 | -0.0304 | 0.0165 | 0.0304 | 0.0000 |
| 0.0396 | 0.0000 | 0.0000 | 0.0441 | -0.0012 | 0.0883 | 0.0000 | 0.0000 | |
| 0.2812 | 0.5458 | 0.2456 | 0.0600 | 0.0000 | 0.0000 | 0.6007 | 0.1455 | |
| 0.2676 | 0.5933 | 0.0000 | 0.0000 | 0.6242 | 0.0000 | 0.0000 | 0.6764 | 0.3849 |
| 0.4392 | 0.0000 | 0.9906 | 0.7545 | 1.0431 | 0.0000 | 0.0000 | 0.4061 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0169 | 0.1141 | 0.0575 | 0.0297 | 0.0061 | 0.1144 | 0.1094 | 0.1130 | |
| 0.1735 | 0.1527 | 0.2869 | 0.1949 | 0.0573 | 0.0000 | 0.1299 | 0.0969 | 0.0829 |
| 0.1004 | 0.0341 | 0.1075 | 0.1116 | 0.1313 | 0.1419 | 0.0650 | 0.1544 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1133 | -0.0791 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0195 | -0.0167 | -0.0225 | -0.0093 | -0.0120 | -0.0573 | -0.0493 | 0.0208 | |
| 0.0021 | 0.0068 | 0.0192 | -0.0361 | -0.0132 | 0.0000 | -0.0254 | -0.0325 | -0.0259 |
| -0.0072 | -0.0635 | 0.0024 | -0.0255 | -0.0097 | -0.0452 | -0.0583 | -0.0302 | 0.0000 |
| 0.0647 | 0.0000 | 0.0000 | 0.0257 | 0.0105 | 0.0048 | 0.0000 | 0.0000 | |
| 0.0293 | 0.0773 | 0.0300 | 0.0587 | 0.0960 | 0.0294 | 0.0502 | 0.1244 | |
| 0.0851 | 0.0975 | 0.0403 | -0.0370 | 0.0220 | 0.0000 | -0.0066 | 0.0698 | 0.0342 |
| 0.0930 | 0.1559 | 0.0857 | 0.0401 | 0.0917 | 0.1082 | 0.0912 | 0.0933 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0192 | -0.1075 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0605 | 0.1232 | 0.0517 | 0.0727 | 0.0181 | 0.0633 | 0.0923 | 0.0717 | |
| 0.0319 | 0.1044 | 0.1554 | 0.0607 | 0.0624 | 0.0000 | 0.0530 | 0.0844 | 0.0645 |
| 0.1105 | 0.0980 | 0.1338 | 0.1153 | 0.1600 | 0.0585 | 0.0444 | 0.0841 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0429 | -0.0237 | -0.0292 | 0.0000 | 0.0000 | |
| 0.0728 | 0.0074 | 0.0081 | -0.0416 | 0.1131 | 0.0225 | 0.0098 | 0.0603 | |
| 0.0677 | -0.0430 | 0.0000 | 0.1680 | -0.0089 | 0.0000 | 0.0947 | 0.0599 | -0.0198 |
| -0.0434 | 0.0000 | -0.0903 | 0.0421 | -0.0886 | 0.0000 | 0.0000 | 0.0646 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0840 | 0.0000 | 0.0000 | 0.0000 | |
| 0.1179 | 0.0244 | 0.0500 | 0.1305 | 0.0033 | 0.1669 | -0.0584 | 0.1475 | |
| 0.1606 | 0.0543 | 0.0000 | 0.1319 | 0.0898 | 0.0000 | 0.0000 | 0.0377 | 0.1973 |
| -0.0695 | 0.0000 | 0.0597 | -0.0562 | 0.0829 | 0.0000 | 0.0000 | 0.1205 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.8783 | 1.0906 | 0.0000 | 0.0000 | 0.0000 | |
| 0.4085 | 0.2329 | 0.3798 | 0.2659 | 0.3693 | 0.2751 | 0.3888 | 0.1481 | |
| 0.2492 | 0.0760 | 0.0000 | 0.4118 | 0.3252 | 0.0000 | 0.3119 | 0.4040 | 0.2174 |
| 0.2487 | 0.0000 | 0.1950 | 0.2180 | 0.1960 | 0.0000 | 0.0000 | 0.2632 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.5984 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0478 | 0.0460 | 0.0310 | 0.0692 | 0.0036 | 0.0374 | 0.0234 | 0.0830 | |
| 0.0699 | 0.0425 | -0.0958 | 0.0692 | 0.0355 | 0.0000 | 0.1040 | 0.0820 | 0.0588 |
| 0.0515 | 0.0647 | 0.0729 | 0.0637 | 0.0311 | 0.0442 | 0.0000 | 0.0562 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0413 | -0.0270 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0263 | -0.0154 | 0.0206 | 0.0210 | 0.0525 | 0.0114 | 0.0135 | 0.0119 | |
| 0.0343 | -0.0067 | -0.0257 | 0.0251 | 0.0343 | 0.0000 | 0.0031 | -0.0174 | 0.0112 |
| 0.0046 | 0.0250 | -0.0358 | -0.0155 | -0.0254 | -0.0258 | -0.0742 | 0.0087 | 0.0000 |
| 0.0842 | 0.0000 | 0.0000 | 0.0639 | 0.0700 | 0.0261 | 0.0000 | 0.1143 | |
| -0.0029 | -0.0067 | -0.0096 | 0.0023 | -0.0293 | -0.0131 | -0.0112 | 0.0331 | |
| 0.0537 | 0.0227 | -0.0225 | 0.0023 | 0.0065 | 0.0000 | -0.0205 | -0.0112 | 0.0059 |
| 0.0068 | 0.0081 | 0.0180 | -0.0047 | 0.0276 | -0.0230 | -0.0613 | 0.0057 | 0.0000 |
| -0.1840 | 0.0000 | 0.0000 | 0.0139 | 0.0135 | -0.0567 | 0.0000 | 0.1696 | |
| 0.0805 | 0.0617 | 0.0787 | 0.0669 | 0.1344 | 0.0841 | 0.0616 | 0.0880 | |
| 0.0754 | 0.0577 | 0.1530 | 0.1115 | 0.0765 | 0.0000 | 0.0497 | 0.0538 | 0.0583 |
| 0.0681 | -0.0377 | -0.0530 | 0.0649 | -0.0574 | 0.1540 | 0.1377 | 0.0799 | 0.0000 |
| 0.3108 | 0.0000 | 0.0000 | 0.0341 | 0.1171 | 0.1279 | 0.0000 | -0.1823 | |
| 0.1397 | 0.1330 | 0.1909 | 0.1481 | 0.2078 | 0.1372 | 0.1877 | 0.1514 | |
| 0.1171 | 0.1085 | 0.1002 | 0.1569 | 0.1886 | 0.0000 | 0.2371 | 0.2088 | 0.1268 |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.1410 | 0.1798 | 0.0735 | 0.1393 | 0.0515 | 0.1797 | 0.2059 | 0.1564 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1218 | 0.0686 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0205 | 0.0953 | 0.0178 | 0.0184 | -0.1321 | 0.0978 | 0.1216 | 0.1461 |
| 0.1048 | 0.0272 | 0.2637 | 0.1439 | 0.0089 | 0.0000 | 0.0828 | 0.1044 | 0.0666 |
| 0.0930 | 0.1767 | 0.1071 | 0.1036 | 0.1108 | 0.0619 | 0.0981 | 0.0966 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1322 | -0.1715 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0557 | 0.1233 | 0.0368 | 0.0730 | -0.0345 | 0.1512 | 0.2192 | -0.0161 |
| 0.0278 | 0.0289 | 0.1576 | 0.1898 | 0.0521 | 0.0000 | 0.0079 | 0.2650 | 0.0484 |
| 0.1426 | -0.0195 | 0.2480 | 0.1651 | 0.2858 | 0.1455 | 0.1717 | 0.1273 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0553 | -0.0343 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0664 | 0.1802 | 0.0851 | 0.0862 | 0.0420 | 0.2060 | 0.2534 | 0.0104 |
| 0.0843 | 0.1410 | 0.1807 | 0.1628 | 0.0703 | 0.0000 | 0.0329 | 0.2620 | 0.1065 |
| 0.2287 | 0.1512 | 0.2618 | 0.1315 | 0.2586 | 0.0029 | 0.2108 | 0.2003 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0195 | 0.0192 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0085 | 0.0128 | -0.0094 | 0.0080 | 0.0072 | 0.0125 | 0.0179 | 0.0242 |
| 0.0149 | 0.0293 | 0.0368 | -0.0330 | 0.0272 | 0.0000 | 0.0011 | 0.0070 | 0.0155 |
| 0.0224 | -0.0029 | 0.0395 | 0.0178 | 0.0096 | 0.0331 | 0.0125 | 0.0360 | 0.0000 |
| 0.0425 | 0.0000 | 0.0000 | 0.0256 | 0.0210 | 0.1135 | 0.0000 | 0.0000 | |
| | 0.2077 | 0.5606 | 0.2616 | 0.1797 | 0.0000 | 0.0000 | 0.4388 | 0.5467 |
| 0.1977 | 0.5356 | 0.0000 | 0.0000 | 0.1864 | 0.0000 | 0.0000 | 0.5773 | 0.3623 |
| 0.3907 | 0.0000 | 1.0837 | 0.7661 | 1.4731 | 0.0000 | 0.0000 | 0.4693 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0325 | 0.1133 | 0.0398 | 0.0326 | -0.0638 | 0.1214 | 0.0976 | 0.1273 |
| 0.1682 | 0.1433 | 0.0833 | 0.1288 | 0.0326 | 0.0000 | 0.1693 | 0.1111 | 0.0941 |
| 0.1455 | 0.1986 | 0.1326 | 0.1311 | 0.2017 | 0.0657 | -0.0528 | 0.1454 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1341 | -0.0419 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0260 | -0.0086 | -0.0056 | -0.0094 | -0.0265 | -0.0441 | -0.0408 | 0.0186 |
| 0.0254 | 0.0131 | -0.0118 | -0.0349 | -0.0064 | 0.0000 | -0.0426 | -0.0286 | -0.0289 |
| -0.0120 | -0.0525 | 0.0008 | -0.0159 | 0.0022 | 0.0047 | -0.0571 | -0.0232 | 0.0000 |
| 0.0083 | 0.0000 | 0.0000 | 0.0496 | -0.0350 | 0.0300 | 0.0000 | 0.0000 | |
| | 0.0182 | 0.0729 | 0.0570 | 0.0509 | 0.0234 | 0.0632 | 0.0528 | 0.0827 |
| 0.0665 | 0.0635 | 0.0509 | 0.0658 | 0.0272 | 0.0000 | 0.0895 | 0.0383 | 0.0364 |
| 0.0886 | 0.0293 | 0.0880 | 0.0309 | 0.1149 | 0.0912 | 0.0526 | 0.0953 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0515 | -0.0674 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0487 | 0.1253 | 0.0337 | 0.0627 | -0.0448 | 0.0909 | 0.1040 | 0.0945 |
| 0.0395 | 0.1058 | 0.1304 | 0.0763 | 0.0507 | 0.0000 | 0.0747 | 0.1035 | 0.0753 |
| 0.1260 | 0.1058 | 0.1370 | 0.1220 | 0.1545 | 0.0948 | 0.0536 | 0.0994 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0135 | -0.0029 | 0.0514 | 0.0000 | 0.0000 | |
| | 0.0352 | -0.0291 | 0.0741 | 0.0289 | -0.0422 | 0.0707 | 0.0045 | 0.0756 |
| 0.1256 | 0.0103 | 0.0000 | -0.0766 | 0.0328 | 0.0000 | 0.0827 | -0.0084 | 0.0379 |
| -0.0172 | 0.0000 | -0.0990 | 0.0749 | -0.0750 | 0.0000 | 0.0000 | -0.1305 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | -0.1054 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.1477 | -0.0300 | 0.0808 | 0.1307 | -0.0116 | 0.0987 | -0.0397 | 0.1544 |
| 0.2352 | 0.1031 | 0.0000 | 0.4681 | 0.2034 | 0.0000 | 0.0000 | 0.0432 | 0.2010 |
| -0.1728 | 0.0000 | 0.0508 | -0.0546 | 0.0802 | 0.0000 | 0.0000 | 0.2549 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.6938 | 1.1497 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.3614 | 0.2668 | 0.3042 | 0.2134 | 0.4052 | 0.1907 | 0.4064 | 0.0602 |
| 0.2201 | 0.1824 | 0.0000 | 0.3144 | 0.3819 | 0.0000 | 0.2384 | 0.3906 | 0.2385 |
| 0.2813 | 0.0000 | 0.1636 | 0.2844 | 0.0728 | 0.0000 | 0.0000 | 0.2517 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4860 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0338 | 0.0714 | 0.0438 | 0.0464 | 0.0209 | 0.0217 | 0.0824 | 0.0292 |
| 0.0535 | 0.0714 | 0.0238 | 0.0599 | 0.0367 | 0.0000 | 0.0158 | 0.0528 | 0.0597 |
| 0.0782 | 0.0060 | 0.0541 | 0.0511 | 0.0409 | 0.1355 | 0.0000 | 0.0624 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0686 | -0.0011 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0222 | -0.0176 | 0.0149 | 0.0163 | 0.0417 | 0.0062 | 0.0145 | 0.0137 |
| 0.0083 | 0.0006 | 0.0016 | 0.0414 | 0.0249 | 0.0000 | -0.0188 | -0.0059 | 0.0072 |

| | | | | | | | | |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0006 | -0.0113 | -0.0356 | -0.0150 | -0.0298 | -0.0293 | -0.0580 | 0.0135 | 0.0000 |
| 0.0981 | 0.0000 | 0.0000 | 0.0464 | 0.0538 | 0.0138 | 0.0000 | -0.0288 | |
| | -0.0029 | -0.0003 | -0.0024 | 0.0014 | 0.0015 | -0.0126 | -0.0068 | 0.0407 |
| 0.0502 | 0.0274 | -0.0364 | -0.0184 | -0.0006 | 0.0113 | -0.0232 | -0.0015 | 0.0092 |
| 0.0059 | 0.0640 | 0.0262 | 0.0071 | 0.0237 | 0.0001 | -0.0442 | 0.0192 | 0.0000 |
| 0.0527 | 0.0000 | 0.0000 | 0.0489 | 0.0072 | 0.0137 | 0.0000 | 0.1797 | |
| | 0.0790 | 0.0622 | 0.0840 | 0.0738 | 0.1269 | 0.0757 | 0.0519 | 0.0681 |
| 0.0884 | 0.0398 | 0.1060 | 0.0868 | 0.0938 | 0.0000 | 0.0255 | 0.0489 | 0.0697 |
| 0.0589 | -0.0025 | -0.0402 | 0.0547 | -0.0663 | 0.1660 | 0.1257 | 0.0952 | 0.0000 |
| 0.0922 | 0.0000 | 0.0000 | 0.0758 | 0.1230 | 0.2921 | 0.0000 | -0.0179 | |
| | 0.1382 | 0.1431 | 0.1740 | 0.1740 | 0.1724 | 0.1560 | 0.2049 | 0.1669 |
| 0.1068 | 0.0761 | 0.2218 | 0.0920 | 0.1648 | 0.0000 | 0.2308 | 0.2373 | 0.1649 |
| 0.1301 | 0.2305 | 0.0688 | 0.1523 | 0.0289 | 0.2030 | 0.3071 | 0.1495 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0671 | 0.1616 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0091 | 0.1003 | 0.0038 | 0.0556 | -0.2144 | 0.1577 | 0.1792 | 0.1292 |
| 0.0002 | 0.0575 | 0.2209 | 0.1118 | -0.0017 | 0.0000 | 0.1397 | 0.0768 | 0.0676 |
| 0.0336 | 0.2762 | 0.1383 | 0.0943 | 0.1099 | 0.1402 | -0.0954 | 0.1617 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.2273 | -0.1612 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0275 | 0.1366 | 0.0488 | 0.0782 | -0.0056 | 0.1893 | 0.1753 | 0.0605 |
| 0.0658 | 0.1103 | 0.1148 | 0.2777 | 0.0838 | 0.0000 | 0.0601 | 0.2519 | 0.0086 |
| 0.1851 | -0.0654 | 0.2522 | 0.1312 | 0.2519 | 0.0676 | 0.0687 | 0.1641 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1113 | -0.0381 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0823 | 0.1861 | 0.1001 | 0.0984 | -0.0355 | 0.1970 | 0.2825 | 0.0678 |
| 0.0665 | 0.1999 | 0.2645 | 0.2007 | 0.0487 | 0.0000 | -0.0255 | 0.2827 | 0.1199 |
| 0.1941 | 0.1424 | 0.2574 | 0.1550 | 0.3248 | 0.0341 | 0.1724 | 0.1333 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0402 | 0.0178 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0153 | 0.0149 | 0.0069 | 0.0217 | 0.0151 | -0.0011 | 0.0113 | 0.0376 |
| 0.0429 | 0.0306 | 0.0362 | -0.0241 | 0.0258 | 0.0000 | 0.0149 | 0.0112 | 0.0230 |
| 0.0236 | 0.0830 | 0.0452 | 0.0180 | 0.0181 | -0.0144 | -0.0021 | 0.0439 | 0.0000 |
| 0.0543 | 0.0000 | 0.0000 | 0.0806 | 0.0651 | 0.0666 | 0.0000 | 0.0000 | |
| | 0.2339 | 0.4521 | 0.2151 | 0.3842 | 0.0000 | 0.0000 | 0.3520 | 0.3977 |
| 0.2184 | 0.9653 | 0.0000 | 0.0000 | 0.5138 | 0.0000 | 0.0000 | 0.5251 | 0.4905 |
| 0.7128 | 0.0000 | 1.1440 | 0.6919 | 1.4425 | 0.0000 | 0.0000 | 0.4685 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0217 | 0.1210 | 0.0553 | 0.0669 | -0.1013 | 0.1341 | 0.1435 | 0.1349 |
| 0.1684 | 0.0743 | 0.0568 | 0.0659 | 0.0432 | 0.0000 | 0.1365 | 0.0989 | 0.0781 |
| 0.0956 | 0.0845 | 0.1511 | 0.1131 | 0.2046 | 0.2171 | -0.0844 | 0.2036 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0330 | -0.0228 | 0.0000 | 0.0000 | 0.0000 | |
| | -0.0269 | -0.0080 | 0.0010 | -0.0023 | -0.0348 | -0.0408 | -0.0393 | 0.0279 |
| 0.0106 | -0.0050 | -0.0627 | -0.0475 | 0.0095 | 0.0000 | -0.0499 | -0.0218 | -0.0103 |
| | -0.0041 | -0.0028 | -0.0139 | -0.0098 | -0.0170 | 0.0403 | -0.0519 | -0.0074 |
| 0.3009 | 0.0000 | 0.0000 | 0.0205 | -0.0078 | 0.0631 | 0.0000 | 0.0000 | |
| | 0.0182 | 0.0817 | 0.0588 | 0.0567 | -0.0652 | 0.0666 | 0.0758 | 0.1037 |
| 0.0789 | 0.0656 | -0.0149 | 0.0290 | 0.0590 | 0.0000 | 0.1347 | 0.0577 | 0.0297 |
| 0.0832 | 0.0969 | 0.1126 | 0.0719 | 0.1092 | 0.2221 | 0.2040 | 0.0923 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0496 | -0.1484 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.0499 | 0.1332 | 0.0519 | 0.0621 | -0.0028 | 0.0852 | 0.1086 | 0.1517 |
| 0.1192 | 0.1106 | 0.0850 | 0.0860 | 0.0491 | 0.0000 | 0.0615 | 0.1058 | 0.0738 |
| 0.1481 | 0.1767 | 0.1566 | 0.1231 | 0.1766 | 0.0617 | -0.0163 | 0.1047 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0462 | -0.0139 | 0.0046 | 0.0000 | 0.0000 | |
| | 0.0602 | -0.0503 | 0.0702 | 0.0216 | -0.0906 | 0.0247 | 0.0307 | 0.0114 |
| 0.0328 | 0.0830 | 0.0000 | -0.0894 | 0.0709 | 0.0000 | -0.0389 | 0.0439 | -0.0583 |
| | -0.0444 | 0.0000 | -0.1684 | 0.0666 | -0.1272 | 0.0000 | 0.0000 | -0.1311 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0263 | 0.0000 | 0.0000 | 0.0000 | |
| | 0.1501 | -0.0427 | 0.1601 | 0.0595 | 0.0963 | 0.1058 | 0.1025 | 0.1214 |
| 0.2593 | 0.0826 | 0.0000 | 0.2612 | 0.1882 | 0.0000 | 0.0000 | 0.0054 | 0.2029 |

| | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| -0.1129 | 0.0000 | 0.0875 | -0.1205 | 0.0348 | 0.0000 | 0.0000 | 0.0000 | 0.1875 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.9200 | 1.0309 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3422 | 0.2335 | 0.2780 | 0.2910 | 0.3535 | 0.3169 | 0.3582 | 0.1552 | | |
| 0.2800 | 0.1750 | 0.0000 | 0.4359 | 0.3706 | 0.0000 | 0.3981 | 0.4009 | 0.2354 | |
| 0.2962 | 0.0000 | 0.1940 | 0.2129 | 0.0968 | 0.0000 | 0.0000 | 0.1946 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.2955 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0327 | 0.0740 | 0.0295 | 0.0612 | 0.0078 | 0.0427 | 0.0990 | 0.0399 | | |
| 0.0496 | 0.0574 | 0.1873 | 0.0733 | 0.0479 | 0.0000 | 0.0429 | 0.0463 | 0.0408 | |
| 0.0544 | 0.0447 | 0.0566 | 0.0664 | 0.0865 | 0.0808 | 0.0000 | 0.0685 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0150 | 0.0499 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0184 | -0.0116 | 0.0208 | 0.0182 | 0.0472 | -0.0012 | 0.0081 | 0.0372 | | |
| 0.0224 | -0.0031 | -0.0223 | 0.0292 | 0.0298 | 0.0000 | -0.0040 | 0.0007 | 0.0204 | |
| -0.0028 | 0.0679 | -0.0377 | -0.0116 | -0.0361 | -0.0230 | -0.0295 | 0.0157 | 0.0000 | |
| 0.1050 | 0.0000 | 0.0000 | 0.0412 | 0.0576 | 0.0698 | 0.0000 | -0.1437 | | |
| 0.0102 | 0.0085 | 0.0041 | 0.0063 | 0.0120 | -0.0113 | -0.0088 | 0.0589 | | |
| 0.0634 | 0.0281 | -0.0217 | -0.0140 | 0.0231 | -0.0472 | 0.0112 | -0.0085 | 0.0046 | |
| 0.0126 | 0.0633 | 0.0270 | 0.0129 | 0.0244 | 0.0255 | -0.0456 | 0.0321 | 0.0000 | |
| 0.0948 | 0.0000 | 0.0000 | 0.0670 | 0.0485 | 0.0979 | 0.0000 | 0.0517 | | |
| 0.0815 | 0.0543 | 0.1089 | 0.0786 | 0.1250 | 0.0881 | 0.0245 | 0.0872 | | |
| 0.0773 | 0.0597 | 0.0910 | 0.1398 | 0.1014 | 0.0000 | 0.0623 | 0.0373 | 0.0827 | |
| 0.0579 | 0.0374 | -0.0444 | 0.0504 | -0.0780 | 0.2283 | 0.1545 | 0.0847 | 0.0000 | |
| 0.2442 | 0.0000 | 0.0000 | 0.0548 | 0.1173 | 0.1114 | 0.0000 | 0.0446 | | |
| 0.1823 | 0.1334 | 0.1846 | 0.1689 | 0.2120 | 0.1848 | 0.2140 | 0.1264 | | |
| 0.0898 | 0.0927 | 0.2273 | 0.1706 | 0.1812 | 0.0000 | 0.2081 | 0.2380 | 0.1628 | |
| 0.1425 | 0.1590 | 0.0826 | 0.1550 | 0.0624 | 0.1874 | 0.1084 | 0.1418 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0450 | 0.2626 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0136 | 0.1113 | 0.0409 | 0.0382 | -0.0840 | 0.1502 | 0.1297 | 0.1375 | | |
| 0.1011 | 0.1096 | 0.1950 | 0.1437 | 0.0015 | 0.0000 | 0.0491 | 0.0544 | 0.0768 | |
| 0.0935 | 0.1970 | 0.1632 | 0.1233 | 0.2168 | 0.1030 | -0.1652 | 0.1135 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.1494 | 0.0071 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0172 | 0.1682 | 0.0405 | 0.0892 | -0.0307 | 0.1987 | 0.2240 | 0.0445 | - | |
| 0.0263 | 0.2222 | 0.0778 | 0.1650 | 0.0766 | 0.0000 | 0.2130 | 0.2478 | 0.0469 | |
| 0.1740 | 0.0769 | 0.2568 | 0.1647 | 0.2284 | 0.0359 | 0.2535 | 0.1969 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | -0.0604 | 0.0159 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0572 | 0.1633 | 0.0679 | 0.1096 | -0.0239 | 0.1741 | 0.2766 | 0.0422 | | |
| 0.0210 | 0.2178 | 0.1725 | 0.2638 | 0.0443 | 0.0000 | 0.0695 | 0.3018 | 0.0945 | |
| 0.1578 | 0.1700 | 0.2431 | 0.1733 | 0.2604 | 0.1463 | 0.1494 | 0.1642 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0552 | -0.0360 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0235 | 0.0232 | 0.0148 | 0.0322 | 0.0034 | 0.0162 | 0.0014 | 0.0579 | | |
| 0.0756 | 0.0446 | 0.0286 | -0.0104 | 0.0301 | 0.0000 | 0.0295 | 0.0099 | 0.0334 | |
| 0.0249 | 0.1319 | 0.0415 | 0.0263 | 0.0376 | 0.0247 | -0.0278 | 0.0312 | 0.0000 | |
| -0.0373 | 0.0000 | 0.0000 | 0.0362 | 0.1287 | -0.0348 | 0.0000 | 0.0000 | | |
| 0.5304 | 0.4852 | 0.6091 | 0.2737 | 0.0000 | 0.0000 | 0.4999 | 0.2076 | | |
| 0.0167 | 0.9856 | 0.0000 | 0.0000 | 0.0154 | 0.0000 | 0.0000 | 1.1287 | 0.4624 | |
| 1.0061 | 0.0000 | 1.2068 | 0.5229 | 1.5142 | 0.0000 | 0.0000 | 0.3244 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0009 | 0.1349 | 0.0611 | 0.0598 | -0.1425 | 0.1811 | 0.1072 | 0.1385 | | |
| 0.1075 | 0.0592 | 0.1098 | 0.0840 | 0.0295 | 0.0000 | 0.0908 | 0.0887 | 0.0771 | |
| 0.1066 | 0.0632 | 0.1577 | 0.1492 | 0.2138 | 0.1350 | -0.0693 | 0.1678 | 0.0000 | |
| 0.0000 | 0.0000 | 0.0000 | 0.0357 | -0.1390 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0183 | -0.0113 | 0.0038 | 0.0040 | -0.0524 | -0.0325 | -0.0256 | 0.0042 | | |
| 0.0057 | 0.0005 | -0.0178 | -0.0255 | 0.0167 | 0.0000 | -0.0186 | -0.0299 | -0.0037 | |
| 0.0007 | 0.0084 | -0.0086 | 0.0056 | -0.0272 | 0.0085 | -0.0645 | 0.0003 | 0.0000 | |
| -0.1089 | 0.0000 | 0.0000 | 0.0146 | -0.0031 | -0.0234 | 0.0000 | 0.0000 | | |
| 0.0070 | 0.0907 | 0.0496 | 0.0522 | 0.0070 | 0.0843 | 0.0467 | 0.0967 | | |
| 0.0933 | 0.0796 | 0.0617 | 0.1309 | 0.0605 | 0.0000 | 0.0612 | 0.0743 | 0.0405 | |

| | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0255 | 0.1075 | 0.1236 | 0.0851 | 0.1002 | 0.1092 | 0.1491 | 0.1094 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0526 | -0.0786 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0499 | 0.1447 | 0.0647 | 0.0588 | -0.0368 | 0.1046 | 0.1165 | 0.0962 | |
| 0.1270 | 0.1242 | 0.1480 | 0.0666 | 0.0552 | 0.0000 | 0.0808 | 0.1077 | 0.0922 |
| 0.1312 | 0.1483 | 0.1601 | 0.1367 | 0.2191 | 0.0962 | 0.0267 | 0.1165 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0007 | -0.0461 | -0.0706 | 0.0000 | 0.0000 | |
| 0.0442 | 0.0254 | 0.0751 | 0.0266 | 0.1763 | 0.0273 | 0.0700 | 0.0501 | - |
| 0.0606 | 0.0537 | 0.0000 | -0.1069 | 0.0700 | 0.0000 | 0.1346 | -0.0323 | -0.0299 |
| 0.1108 | 0.0000 | -0.0816 | 0.0910 | -0.1387 | 0.0000 | 0.0000 | -0.0245 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0673 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0063 | 0.0007 | 0.1914 | 0.2011 | 0.1807 | 0.2705 | 0.0901 | 0.1469 | |
| 0.1905 | 0.2363 | 0.0000 | 0.2816 | 0.1626 | 0.0000 | 0.0000 | 0.1190 | 0.0874 |
| -0.0981 | 0.0000 | 0.0603 | -0.1485 | 0.0346 | 0.0000 | 0.0000 | 0.1466 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.8932 | 0.7256 | 0.0000 | 0.0000 | 0.0000 | |
| 0.3662 | 0.2325 | 0.2939 | 0.3167 | 0.3747 | 0.3061 | 0.4219 | 0.1736 | |
| 0.2056 | 0.1359 | 0.0000 | 0.2447 | 0.3393 | 0.0000 | 0.3408 | 0.4316 | 0.3206 |
| 0.2685 | 0.0000 | 0.1376 | 0.2671 | 0.1122 | 0.0000 | 0.0000 | 0.2849 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4120 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0623 | 0.0662 | 0.0286 | 0.0419 | 0.0371 | 0.0568 | 0.1038 | 0.0345 | |
| 0.0533 | 0.0738 | 0.0271 | 0.1018 | 0.0495 | 0.0000 | 0.1338 | 0.0520 | 0.0512 |
| 0.0929 | 0.0506 | 0.0692 | 0.0617 | 0.0664 | 0.0009 | 0.0000 | 0.0694 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0136 | 0.0651 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0336 | -0.0025 | 0.0303 | 0.0209 | 0.0446 | 0.0207 | 0.0005 | 0.0310 | |
| 0.0462 | -0.0136 | -0.0303 | 0.0434 | 0.0365 | 0.0000 | 0.0019 | -0.0051 | 0.0071 |
| -0.0092 | 0.0138 | -0.0354 | -0.0053 | -0.0341 | -0.0289 | 0.0322 | 0.0363 | 0.0000 |
| 0.0865 | 0.0000 | 0.0000 | 0.0230 | 0.0413 | -0.0001 | 0.0000 | 0.0580 | |
| 0.0135 | 0.0185 | 0.0126 | 0.0118 | 0.0177 | -0.0095 | -0.0129 | 0.0449 | |
| 0.0535 | 0.0264 | -0.0171 | -0.0035 | 0.0412 | -0.0433 | -0.0091 | -0.0103 | 0.0173 |
| 0.0205 | 0.0400 | 0.0242 | 0.0084 | 0.0170 | 0.0356 | -0.0256 | 0.0321 | 0.0000 |
| 0.0322 | 0.0000 | 0.0000 | 0.0393 | -0.0015 | 0.0593 | 0.0000 | -0.0664 | |
| 0.0941 | 0.0388 | 0.1063 | 0.0776 | 0.1353 | 0.0789 | 0.0272 | 0.0822 | |
| 0.0878 | 0.0572 | 0.0611 | 0.1164 | 0.1172 | 0.0000 | 0.0643 | 0.0203 | 0.0676 |
| 0.0760 | 0.1069 | -0.0633 | 0.0377 | -0.0872 | 0.1868 | 0.1087 | 0.1037 | 0.0000 |
| 0.2323 | 0.0000 | 0.0000 | 0.0325 | 0.1813 | 0.1500 | 0.0000 | 0.3375 | |
| 0.1826 | 0.1332 | 0.2028 | 0.1597 | 0.2200 | 0.2035 | 0.1942 | 0.0939 | |
| 0.0913 | 0.0919 | 0.2050 | 0.2393 | 0.1641 | 0.0000 | 0.1627 | 0.2361 | 0.1877 |
| 0.1393 | 0.2474 | 0.0861 | 0.1358 | 0.0368 | 0.1551 | 0.3120 | 0.1320 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.0513 | 0.1715 | 0.0000 | 0.0000 | 0.0000 | |
| -0.0172 | 0.0952 | 0.0836 | 0.0609 | -0.0805 | 0.1053 | 0.1268 | 0.1042 | |
| 0.1691 | 0.0876 | 0.1720 | 0.1473 | 0.0240 | 0.0000 | 0.1733 | 0.0883 | 0.0812 |
| 0.1017 | 0.1232 | 0.1273 | 0.1192 | 0.1798 | -0.0004 | -0.1877 | 0.2040 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | -0.1344 | -0.0644 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0359 | 0.1581 | 0.0256 | 0.0808 | -0.0381 | 0.1581 | 0.2666 | 0.1084 | |
| 0.0427 | 0.2480 | 0.1924 | 0.1759 | 0.0596 | 0.0000 | 0.1453 | 0.2539 | 0.0860 |
| 0.1623 | 0.2763 | 0.2531 | 0.1427 | 0.2771 | 0.1264 | 0.3404 | 0.1376 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.0751 | -0.0902 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0639 | 0.1900 | 0.0576 | 0.1254 | 0.0196 | 0.1789 | 0.2789 | 0.0369 | |
| 0.0110 | 0.2324 | 0.0593 | 0.1989 | 0.0845 | 0.0000 | 0.1500 | 0.3193 | 0.1357 |
| 0.2398 | -0.1577 | 0.2742 | 0.1949 | 0.3469 | 0.2826 | 0.2535 | 0.1975 | 0.0000 |
| 0.0000 | 0.0000 | 0.0000 | 0.1548 | 0.0339 | 0.0000 | 0.0000 | 0.0000 | |
| 0.0367 | 0.0218 | 0.0226 | 0.0394 | 0.0390 | 0.0127 | 0.0274 | 0.0634 | |
| 0.0695 | 0.0695 | 0.0309 | 0.0172 | 0.0429 | 0.0000 | 0.0270 | 0.0214 | 0.0314 |
| 0.0362 | 0.0632 | 0.0349 | 0.0289 | 0.0724 | -0.0209 | -0.0254 | 0.0476 | 0.0000 |
| 0.1126 | 0.0000 | 0.0000 | 0.0877 | 0.0835 | 0.0101 | 0.0000 | 0.0000 | |
| 0.6458 | 0.5591 | 0.5345 | 0.5264 | 0.0000 | 0.0000 | 0.8013 | 0.2130 | |
| 0.3117 | 1.0056 | 0.0000 | 0.0000 | 0.2718 | 0.0000 | 0.0000 | 0.6384 | 0.4375 |

```

0.8740  0.0000  1.3764  0.6862  1.5904  0.0000  0.0000  0.4301  0.0000
0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000
   0.0278  0.1295  0.0581  0.0452 -0.0994  0.1335  0.1496  0.1573
0.1216  0.0615  0.2011  0.0821  0.0480  0.0000  0.0724  0.0770  0.1069
0.1353  0.2129  0.1757  0.1276  0.1885  0.1550 -0.0144  0.1777  0.0000
0.0000  0.0000  0.0000 -0.1931 -0.1989  0.0000  0.0000  0.0000
-0.0001 -0.0104  0.0018  0.0075 -0.0449 -0.0250 -0.0308  0.0181
0.0385 -0.0110 -0.0323 -0.0418  0.0183  0.0000  0.0118 -0.0235 -0.0003
-0.0003 -0.0520 -0.0001  0.0034 -0.0021 -0.0025 -0.0348  0.0353  0.0000
0.0256  0.0000  0.0000  0.0746  0.0246 -0.0069  0.0000  0.0000
   0.0158  0.0882  0.0651  0.0661 -0.0157  0.1069  0.0733  0.1079
0.1361  0.0576  0.1017  0.1808  0.0537  0.0000  0.1332  0.0491  0.0833
0.0754  0.1828  0.1238  0.0914  0.1521  0.1455  0.1650  0.1340  0.0000
0.0000  0.0000  0.0000  0.0621 -0.0305  0.0000  0.0000  0.0000
   0.0682  0.1476  0.0603  0.0623  0.0171  0.1090  0.1377  0.0981
0.1064  0.1261  0.1583  0.1162  0.0579  0.0000  0.1302  0.1152  0.0887
0.1517  0.1639  0.1771  0.1480  0.2073  0.0368  0.0467  0.1282  0.0000
0.0000  0.0000  0.0000 -0.0495 -0.0469  0.0693  0.0000  0.0000
   0.0154 -0.0283  0.0301  0.0211  0.1520 -0.0455  0.1443  0.0181
0.0202  0.0258  0.0000  0.0274  0.0298  0.0000  0.0827  0.0415  0.0442
0.0285  0.0000 -0.0775 -0.0291 -0.0498  0.0000  0.0000 -0.0436  0.0000
0.0000  0.0000  0.0000  0.1198  0.0000  0.0000  0.0000  0.0000
   0.0925 -0.0072  0.1226  0.1435  0.3672  0.0945  0.1208  0.1695
0.0992  0.1131  0.0000  0.2709  0.2228  0.0000  0.0000  0.0816  0.1769
-0.0943  0.0000  0.0699 -0.0031  0.0432  0.0000  0.0000  0.2726  0.0000
0.0000  0.0000  0.0000  0.3459  1.0265  0.0000  0.0000  0.0000
   0.3240  0.2649  0.3382  0.3331  0.4019  0.3798  0.5823  0.1976
0.0687  0.2461  0.0000  0.2811  0.2528  0.0000  0.4765  0.4623  0.3803
0.2011  0.0000  0.2343  0.2546  0.1877  0.0000  0.0000  0.3538  0.0000
0.0000  0.0000  0.0000  0.0000  0.2222  0.0000  0.0000  0.0000
   0.0613  0.0657  0.0472  0.0358  0.0669  0.1130  0.0885  0.0422
0.0551  0.1027  0.0031  0.0945  0.0410  0.0000  0.0560  0.0713  0.0568
0.0605 -0.0400  0.0679  0.0569  0.0684  0.0967  0.0000  0.0669  0.0000
0.0000  0.0000  0.0000 -0.0141  0.1978  0.0000  0.0000  0.0000

```

6. FORTRAN program to extract PMF04 potentials from PMF04 table file

```

program extract
C--- extracts all PMFs from a PMF Table file on stdin
C---
      parameter (maxargs = 20, nligtype=34, nprottype=17)
      character fname3*80,fname4*80,string*80,ligtype(nligtype)*2,
      &          prottype(nprottype)*2,pt*2,lt*2
      character*10 filename
      real      dens(200,20,50)
      integer   argptr(2,maxargs)
      integer   nargs

      data ligtype /'CF','CP','cF','cP','C3','CW','CO','CN','NC','NP',
      &           'NA','ND','NR','N0','NS','OC','OA','OE','SO','OS',
      &           'OD','P ','SA','SD','HL','Zn','CL','Mn','Mg','F ',
      &           'Fe','Br','V ','C0'/
      data prottype/'CF','CP','cF','cP','CO','CN','NC','ND','ME','OC',
      &           'OA','OD','OW','SA','SD','NA','HH'/

      read(5,1030) string,n_prot,n_het,n_segm,rad
1030  format(a44,3i6,f8.3)

```

```

do k=1,n_segm
  do j=1,n_prot
    i = 0
    do while (i.lt.n_het)
      read(5,'(a)') string
      call PARSE(string,nargs,argptr,maxargs)
      do l=1,nargs
        i = i
        read(string(argptr(1,l):argptr(2,l)),'(f7.3)')
        dens(k,j,i)
      end do
    end do
  end do
end do

xnseg_per_A = real(n_segm)/rad

do np=1,n_prot
  do nl=1,n_het
    if (lenstr(prottotype(np)).eq.1) prottotype(np)(2:2) = '_'
    if (lenstr(ligtype(nl)) .eq.1) ligtype(nl)(2:2) = '_'
    filename = prottotype(np)//ligtype(nl)//'.pmf'
    open(1,file=filename,status='unknown')
    write(1,'('' r(Angstrom) PMF'')')
    do k=1,n_segm
      write(1,'(f8.3,2x,f8.4)') real(k)/xnseg_per_A,
        dens(k,np,nl)
    end do
    close(1)
  end do
end do

stop
end

SUBROUTINE PARSE(string,nargs,argptr,maxargs)
=====
c Parse string into individual arguments, each separated by 1 or more
c spaces. Returns number of arguments 'nargs', and pointers to the
c first and last character of argument i in argptr(1,i) and
c argptr(2,i), respectively.
c-----
character*(*) string
integer         argptr(2,maxargs)
integer         nargs

lstring = lenstr(string)
nargs   = 0
iptr   = 0
do while(iptr.lt.lstring)
  iptr = iptr
  if (string(iptr:iptr).ne.' ') then
    jptr = index(string(iptr:lstring),' ')
    if (jptr.gt.0) then
      jptr = jptr-2
    else

```

```

        jptr = lstring
    end if
    nargs = nargs
    argptr(1,nargs) = iptr
    argptr(2,nargs) = jptr
    iptr = jptr
end if
end do
return
end

FUNCTION LENSTR( STRING )
C=====
C lenstr -- return length of string as defined by the last nonblank
C (Returns 0 if all blank.)
C-----
INTEGER LENSTR, LAST, I
CHARACTER*(*) STRING
LAST = LEN( STRING )
DO 10 I=LAST,1,-1
    IF (STRING(I:I).NE.' ') THEN
        LENSTR = I
        RETURN
    ENDIF
10    CONTINUE
LENSTR = 0
END

```