



	3	4	5	6	7
--	---	---	---	---	---

0,25                      0,25                      0,25                      0,25                      0,25  
1                              1                              1                              1                              1  
1                              1                              1                              1                              1  
10                             10                             10                             10                             10

=COS(E6\*E5)            =COS(F6\*F5)            =COS(G6\*G5)            =COS(H6\*H5)            =COS(I6\*I5)  
=SIN(E6\*E5)            =SIN(F6\*F5)            =SIN(G6\*G5)            =SIN(H6\*H5)            =SIN(I6\*I5)

=E10\*D13+E11\*D14=F10\*E13+F11\*E14=G10\*F13+G11\*F14=H10\*G13+H11\*G14=I10\*H13+I11\*H14  
=E10\*D14-E11\*D13=F10\*E14-F11\*E13=G10\*F14-G11\*F13=H10\*G14-H11\*G13=I10\*H14-I11\*H13

=1-(+(E5^1))\*(+1-(+1-(+(F5^1))\*(+1-(+1-(+(G5^1))\*(+1-(+1-(+(H5^1))\*(+1-(+1-(+(I5^1))\*(+1-(+1-(+(E5^1))\*(+1-(+1-(+(F5^1))\*(+1-(+1-(+(G5^1))\*(+1-(+1-(+(H5^1))\*(+1-(+1-(+(I5^1))\*(+1-(+1-(+(2,7^E5))            =-(+(2,7^F5))            =-(+(2,7^G5))            =-(+(2,7^H5))            =-(+(2,7^I5))

=E16\*E13+E17\*D13=F16\*F13+F17\*E13=G16\*G13+G17\*F13=H16\*H13+H17\*G13=I16\*I13+I17\*H13-I17  
=E16\*E14+E17\*D14=F16\*F14+F17\*E14=G16\*G14+G17\*F14=H16\*H14+H17\*G14=I16\*I14+I17\*H14-I17

=(+(E20^2))++(E21^2)))+((+(F20^2))++(F21^2)))+((+(G20^2))++(G21^2)))+((+(H20^2))++(H21^2)))+((+(I20^2))++(I21^2))

0,25                      0,25                      0,25                      0,25                      0,25  
=1-(+(E25^1))\*(+1-(+1-(+(F25^1))\*(+1-(+1-(+(G25^1))\*(+1-(+1-(+(H25^1))\*(+1-(+1-(+(I25^1))\*(+1-(+1-(+(E25^1))\*(+1-(+1-(+(F25^1))\*(+1-(+1-(+(G25^1))\*(+1-(+1-(+(H25^1))\*(+1-(+1-(+(I25^1))\*(+1-(+1-(+(2,7^E25))            =-(+(2,7^F25))            =-(+(2,7^G25))            =-(+(2,7^H25))            =-(+(2,7^I25))

3                              4                              5                              6                              7  
=\$E\$26\*\$E\$23+\$E\$24=\$F\$26\*\$F\$23+\$F\$24=\$G\$26\*\$G\$23+\$G\$24=\$H\$26\*\$H\$23+\$H\$24=\$I\$26\*\$I\$23+\$I\$27

13                             19                             25                             31                             37  
=\$O\$26\*\$O\$23+\$O\$24=\$U\$26\*\$U\$23+\$U\$24=\$AA\$26\*\$AA\$23+\$AA\$24=\$AG\$26\*\$AG\$23+\$AG\$24=\$AM\$26\*\$AM\$23+\$AM\$24









28	29	30	31	32
0,25	0,25	0,25	0,25	0,25
1	1	1	1	1
1	1	1	1	1
10	10	10	10	10
=COS(AD6*AD5)	=COS(AE6*AE5)	=COS(AF6*AF5)	=COS(AG6*AG5)	=COS(AH6*AH5)
=SIN(AD6*AD5)	=SIN(AE6*AE5)	=SIN(AF6*AF5)	=SIN(AG6*AG5)	=SIN(AH6*AH5)
=AD10*AC13+AD11	=AE10*AD13+AE11	=AF10*AE13+AF11	=AG10*AF13+AG11	=AH10*AG13+AH11
=AD10*AC14-AD11	=AE10*AD14-AE11	=AF10*AE14-AF11	=AG10*AF14-AG11	=AH10*AG14-AH11
=1-(+(AD5^1-1))*(+1-	=1-(+(AE5^1-1))*(+1-	=1-(+(AF5^1-1))*(+1-	=1-(+(AG5^1-1))*(+1-	=1-(+(AH5^1-1))*(+1-
=(+(AD5^1-1))*(+1-	=(+(AE5^1-1))*(+1-	=(+(AF5^1-1))*(+1-	=(+(AG5^1-1))*(+1-	=(+(AH5^1-1))*(+1-
=(+(2,7^AD5))	=(+(2,7^AE5))	=(+(2,7^AF5))	=(+(2,7^AG5))	=(+(2,7^AH5))
=AD16*AD13+AD17	=AE16*AE13+AE17	=AF16*AF13+AF17	=AG16*AG13+AG17	=AH16*AH13+AH17
=AD16*AD14+AD17	=AE16*AE14+AE17	=AF16*AF14+AF17	=AG16*AG14+AG17	=AH16*AH14+AH17
=(+(AD20^2))+(+1-	=(+(AE20^2))+(+1-	=(+(AF20^2))+(+1-	=(+(AG20^2))+(+1-	=(+(AH20^2))+(+1-
0,25	0,25	0,25	0,25	0,25
=1-(+(AD25^1-1))*(+1-	=1-(+(AE25^1-1))*(+1-	=1-(+(AF25^1-1))*(+1-	=1-(+(AG25^1-1))*(+1-	=1-(+(AH25^1-1))*(+1-
=(+(AD25^1-1))*(+1-	=(+(AE25^1-1))*(+1-	=(+(AF25^1-1))*(+1-	=(+(AG25^1-1))*(+1-	=(+(AH25^1-1))*(+1-
=(+(2,7^AD25))	=(+(2,7^AE25))	=(+(2,7^AF25))	=(+(2,7^AG25))	=(+(2,7^AH25))
28	29	30	31	32
=\$AD\$26*\$AD\$23+!	=\$AE\$26*\$AE\$23+!	=\$AF\$26*\$AF\$23+!	=\$AG\$26*\$AG\$23+!	=\$AH\$26*\$AH\$23+!

33	34	35	36	37
0,25	0,25	0,25	0,25	0,25
1	1	1	1	1
1	1	1	1	1
10	10	10	10	10
=COS(AI6*AI5)	=COS(AJ6*AJ5)	=COS(AK6*AK5)	=COS(AL6*AL5)	=COS(AM6*AM5)
=SIN(AI6*AI5)	=SIN(AJ6*AJ5)	=SIN(AK6*AK5)	=SIN(AL6*AL5)	=SIN(AM6*AM5)
=AI10*AH13+AI11*/	=AJ10*AI13+AJ11*/	=AK10*AJ13+AK11*/	=AL10*AK13+AL11*/	=AM10*AL13+AM11*/
=AI10*AH14-AI11*A	=AJ10*AI14-AJ11*A	=AK10*AJ14-AK11*	=AL10*AK14-AL11*	=AM10*AL14-AM11*
=1-(+(AI5^-1))*(+1-(	=1-(+(AJ5^-1))*(+1-(	=1-(+(AK5^-1))*(+1-(	=1-(+(AL5^-1))*(+1-(	=1-(+(AM5^-1))*(+1-(
=(+(AI5^-1))*(+1-(	=(+(AJ5^-1))*(+1-(	=(+(AK5^-1))*(+1-(	=(+(AL5^-1))*(+1-(	=(+(AM5^-1))*(+1-(
=(+(2,7^-AI5))	=(+(2,7^-AJ5))	=(+(2,7^-AK5))	=(+(2,7^-AL5))	=(+(2,7^-AM5))
=AI16*AI13+AI17*A	=AJ16*AJ13+AJ17*	=AK16*AK13+AK17	=AL16*AL13+AL17*	=AM16*AM13+AM17
=AI16*AI14+AI17*A	=AJ16*AJ14+AJ17*	=AK16*AK14+AK17	=AL16*AL14+AL17*	=AM16*AM14+AM17
=(+(AI20^+2))+(+A	=(+(AJ20^+2))+(+A	=(+(AK20^+2))+(+A	=(+(AL20^+2))+(+A	=(+(AM20^+2))+(+A
0,25	0,25	0,25	0,25	0,25
=1-(+(AI25^-1))*(+1-	=1-(+(AJ25^-1))*(+1-	=1-(+(AK25^-1))*(+1-	=1-(+(AL25^-1))*(+1-	=1-(+(AM25^-1))*(+1-
=(+(AI25^-1))*(+1-	=(+(AJ25^-1))*(+1-	=(+(AK25^-1))*(+1-	=(+(AL25^-1))*(+1-	=(+(AM25^-1))*(+1-
=(+(2,7^-AI25))	=(+(2,7^-AJ25))	=(+(2,7^-AK25))	=(+(2,7^-AL25))	=(+(2,7^-AM25))
33	34	35	36	37
=\$AI\$26*\$AI\$23+\$A	=\$AJ\$26*\$AJ\$23+\$	=\$AK\$26*\$AK\$23+\$	=\$AL\$26*\$AL\$23+\$	=\$AM\$26*\$AM\$23+\$



38	39	40	41	42
0,25	0,25	0,25	0,25	0,25
1	1	1	1	1
1	1	1	1	1
10	10	10	10	10
=COS(AN6*AN5)	=COS(AO6*AO5)	=COS(AP6*AP5)	=COS(AQ6*AQ5)	=COS(AR6*AR5)
=SIN(AN6*AN5)	=SIN(AO6*AO5)	=SIN(AP6*AP5)	=SIN(AQ6*AQ5)	=SIN(AR6*AR5)
=AN10*AM13+AN11	=AO10*AN13+AO11	=AP10*AO13+AP11	=AQ10*AP13+AQ11	=AR10*AQ13+AR11
=AN10*AM14-AN11	=AO10*AN14-AO11	=AP10*AO14-AP11	=AQ10*AP14-AQ11	=AR10*AQ14-AR11
=1-(+(AN5^1))*(+1-	=1-(+(AO5^1))*(+1-	=1-(+(AP5^1))*(+1-	=1-(+(AQ5^1))*(+1-	=1-(+(AR5^1))*(+1-
=(+(AN5^1))*(+1-	=(+(AO5^1))*(+1-	=(+(AP5^1))*(+1-	=(+(AQ5^1))*(+1-	=(+(AR5^1))*(+1-
=(+(2,7^AN5))	=(+(2,7^AO5))	=(+(2,7^AP5))	=(+(2,7^AQ5))	=(+(2,7^AR5))
=AN16*AN13+AN17	=AO16*AO13+AO17	=AP16*AP13+AP17	=AQ16*AQ13+AQ17	=AR16*AR13+AR17
=AN16*AN14+AN17	=AO16*AO14+AO17	=AP16*AP14+AP17	=AQ16*AQ14+AQ17	=AR16*AR14+AR17
=((+(AN20^2))+(+1-	=((+(AO20^2))+(+1-	=((+(AP20^2))+(+1-	=((+(AQ20^2))+(+1-	=((+(AR20^2))+(+1-
0,25	0,25	0,25	0,25	0,25
=1-(+(AN25^1))*(+1-	=1-(+(AO25^1))*(+1-	=1-(+(AP25^1))*(+1-	=1-(+(AQ25^1))*(+1-	=1-(+(AR25^1))*(+1-
=(+(AN25^1))*(+1-	=(+(AO25^1))*(+1-	=(+(AP25^1))*(+1-	=(+(AQ25^1))*(+1-	=(+(AR25^1))*(+1-
=(+(2,7^AN25))	=(+(2,7^AO25))	=(+(2,7^AP25))	=(+(2,7^AQ25))	=(+(2,7^AR25))
38	39	40	41	42
=\$AN\$26*\$AN\$23+!	=\$AO\$26*\$AO\$23+	=\$AP\$26*\$AP\$23+!	=\$AQ\$26*\$AQ\$23+	=\$AR\$26*\$AR\$23+!

43	44	45	46	47
0,25	0,25	0,25	0,25	0,25
1	1	1	1	1
1	1	1	1	1
10	10	10	10	10
=COS(AS6*AS5)	=COS(AT6*AT5)	=COS(AU6*AU5)	=COS(AV6*AV5)	=COS(AW6*AW5)
=SIN(AS6*AS5)	=SIN(AT6*AT5)	=SIN(AU6*AU5)	=SIN(AV6*AV5)	=SIN(AW6*AW5)
=AS10*AR13+AS11	=AT10*AS13+AT11	=AU10*AT13+AU11	=AV10*AU13+AV11	=AW10*AV13+AW11
=AS10*AR14-AS11	=AT10*AS14-AT11	=AU10*AT14-AU11	=AV10*AU14-AV11	=AW10*AV14-AW11
=1-(+(AS5^1-1))*(+1-	=1-(+(AT5^1-1))*(+1-	=1-(+(AU5^1-1))*(+1-	=1-(+(AV5^1-1))*(+1-	=1-(+(AW5^1-1))*(+1-
=(+(AS5^1-1))*(+1-	=(+(AT5^1-1))*(+1-	=(+(AU5^1-1))*(+1-	=(+(AV5^1-1))*(+1-	=(+(AW5^1-1))*(+1-
=(+(2,7^AS5))	=(+(2,7^AT5))	=(+(2,7^AU5))	=(+(2,7^AV5))	=(+(2,7^AW5))
=AS16*AS13+AS17	=AT16*AT13+AT17	=AU16*AU13+AU17	=AV16*AV13+AV17	=AW16*AW13+AW17
=AS16*AS14+AS17	=AT16*AT14+AT17	=AU16*AU14+AU17	=AV16*AV14+AV17	=AW16*AW14+AW17
=(+(AS20^2))+(+1-	=(+(AT20^2))+(+1-	=(+(AU20^2))+(+1-	=(+(AV20^2))+(+1-	=(+(AW20^2))+(+1-
0,25	0,25	0,25	0,25	0,25
=1-(+(AS25^1-1))*(+1-	=1-(+(AT25^1-1))*(+1-	=1-(+(AU25^1-1))*(+1-	=1-(+(AV25^1-1))*(+1-	=1-(+(AW25^1-1))*(+1-
=(+(AS25^1-1))*(+1-	=(+(AT25^1-1))*(+1-	=(+(AU25^1-1))*(+1-	=(+(AV25^1-1))*(+1-	=(+(AW25^1-1))*(+1-
=(+(2,7^AS25))	=(+(2,7^AT25))	=(+(2,7^AU25))	=(+(2,7^AV25))	=(+(2,7^AW25))
43	44	45	46	47
=\$AS\$26*\$AS\$23+!	=\$AT\$26*\$AT\$23+!	=\$AU\$26*\$AU\$23+!	=\$AV\$26*\$AV\$23+!	=\$AW\$26*\$AW\$23+!

48

49

0,25

0,25

1

1

1

1

1

1

10

10

=COS(AX6\*AX5)

=COS(AY6\*AY5)

=SIN(AX6\*AX5)

=SIN(AY6\*AY5)

=AX10\*AW13+AX11

=AY10\*AX13+AY11

=AX10\*AW14-AX11

=AY10\*AX14-AY11

=1-(+(AX5^1))\*(+1-

=1-(+(AY5^1))\*(+1-

=(+(AX5^1))\*(+1-

=(+(AY5^1))\*(+1-

=(+(2,7^AX5))

=(+(2,7^AY5))

=AX16\*AX13+AX17

=AY16\*AY13+AY17

=AX16\*AX14+AX17

=AY16\*AY14+AY17

=(+(AX20^2))+(+1-

=(+(AY20^2))+(+1-

0,25

0,25

0,25

0,25

=1-(+(AX25^1))\*(+1-

=1-(+(AY25^1))\*(+1-

=(+(AX25^1))\*(+1-

=(+(AY25^1))\*(+1-

=(+(2,7^AX25))

=(+(2,7^AY25))

48

49

=\$AX\$26\*\$AX\$23+

=\$AY\$26\*\$AY\$23+