00, ,$,glpp

glpp,0,<,glpp glpp,1,<,glpp glpp,2,<,glpp glpp,3,<,glpp glpp,$,<,glpp

glpp, ,+,gl

gl,0,<,gl gl,1,<,gl gl,2,<,gl gl,3,<,gl gl,A,<,gl gl,B,<,gl gl,C,<,gl gl,D,<,gl gl,$,<,gl

gl,+,<,gl gl,p,<,gl gl, ,>,cop

cop,0,A,pas0 cop,1,B,pas1 cop,2,C,pas2 cop,3,D,pas3 cop,+,p,pas+

cop,A,>,cop cop,B,>,cop cop,C,>,cop cop,D,>,cop cop,p,>,cop

cop,$,=,gr

pas0,0,>,pas0 pas0,1,>,pas0 pas0,2,>,pas0 pas0,3,>,pas0 pas0,$,>,pas0 pas0,+,>,pas0

pas0,A,>,pas0 pas0,B,>,pas0 pas0,C,>,pas0 pas0,D,>,pas0 pas0,p,>,pas0

pas0, ,0,gl

pas1,0,>,pas1 pas1,1,>,pas1 pas1,2,>,pas1 pas1,3,>,pas1 pas1,$,>,pas1 pas1,+,>,pas1

pas1,A,>,pas1 pas1,B,>,pas1 pas1,C,>,pas1 pas1,D,>,pas1 pas1,p,>,pas1

pas1, ,1,gl

pas2,0,>,pas2 pas2,1,>,pas2 pas2,2,>,pas2 pas2,3,>,pas2 pas2,$,>,pas2 pas2,+,>,pas2

pas2,A,>,pas2 pas2,B,>,pas2 pas2,C,>,pas2 pas2,D,>,pas2 pas2,p,>,pas2

pas2, ,2,gl

pas3,0,>,pas3 pas3,1,>,pas3 pas3,2,>,pas3 pas3,3,>,pas3 pas3,$,>,pas3 pas3,+,>,pas3

pas3,A,>,pas3 pas3,B,>,pas3 pas3,C,>,pas3 pas3,D,>,pas3 pas3,p,>,pas3

pas3, ,3,gl

pas+,0,>,pas+ pas+,1,>,pas+ pas+,2,>,pas+ pas+,3,>,pas+ pas+,$,>,pas+ pas+,+,>,pas+

pas+,A,>,pas+ pas+,B,>,pas+ pas+,C,>,pas+ pas+,D,>,pas+ pas+,p,>,pas+

pas+, ,+,gl

gr,0,>,gr gr,1,>,gr gr,2,>,gr gr,3,>,gr

gr,A,0,gr gr,B,1,gr gr,C,2,gr gr,D,3,gr

gr,$,>,gr gr,+,>,gr gr,p,+,gr gr, ,<,gtp

gtp,0,<,gtp gtp,1,<,gtp gtp,2,<,gtp gtp,3,<,gtp gtp,A,<,gtp gtp,B,<,gtp gtp,C,<,gtp gtp,D,<,gtp gtp,$,<,gtp

gtp,+,=,fs

fs,0,<,z fs,1,<,x fs,+,<,fs fs,A,<,fs fs,B,<,fs fs,C,<,fs fs,D,<,fs fs,^,<,fs fs,$,=,gra

z,1,C,cl z,0,A,cl z,$,A,rkA

x,1,D,cl x,0,B,cl x,$,B,rkB

rkA,A,$,rkA rkA,$,>,rkA rkA,0,A,gra

rkB,B,$,rkB rkB,$,>,rkB rkB,1,B,gra

cl,1,^,cl cl,0,^,cl cl,^,=,fs cl,+,<,fs cl,A,>,cl cl,B,>,cl cl,C,>,cl cl,D,>,cl

gra,0,>,gra gra,1,>,gra gra,2,>,gra gra,3,>,gra

gra,A,0,gra gra,B,1,gra gra,C,2,gra gra,D,3,gra

gra,^,>,gra

gra,$,>,gra gra,+,>,gra gra,p,+,gra gra, ,<,gtpa

gtpa,0,<,gtpa gtpa,1,<,gtpa gtpa,2,<,gtpa gtpa,3,<,gtpa gtpa,A,<,gtpa gtpa,B,<,gtpa gtpa,C,<,gtpa gtpa,D,<,gtpa gtpa,$,<,gtpa

gtpa,+,<,pl

pl,0,^,plA pl,1,^,plB pl,2,^,plC pl,3,^,plD pl,^,<,pl pl,$,=,fin1

plA,0,>,plA plA,1,>,plA plA,2,>,plA plA,3,>,plA plA,$,>,plA plA,+,>,plA

plA,A,<,ifA plA,B,<,ifA plA,C,<,ifA plA,D,<,ifA plA,^,>,plA

plA, ,<,ifA

plB,0,>,plB plB,1,>,plB plB,2,>,plB plB,3,>,plB plB,$,>,plB plB,+,>,plB

plB,A,<,ifB plB,B,<,ifB plB,C,<,ifB plB,D,<,ifB plB,^,>,plB

plB, ,<,ifB

plC,0,>,plC plC,1,>,plC plC,2,>,plC plC,3,>,plC plC,$,>,plC plC,+,>,plC

plC,A,<,ifC plC,B,<,ifC plC,C,<,ifC plC,D,<,ifC plC,^,>,plC

plC, ,<,ifC

plD,0,>,plD plD,1,>,plD plD,2,>,plD plD,3,>,plD plD,$,>,plD plD,+,>,plD

plD,A,<,ifD plD,B,<,ifD plD,C,<,ifD plD,D,<,ifD plD,^,>,plD

plD, ,<,ifD

ifA,0,A,gtpa ifA,1,B,gtpa ifA,2,C,gtpa ifA,3,D,gtpa ifA,+,A,gtp+

ifB,0,B,gtpa ifB,1,C,gtpa ifB,2,D,gtpa ifB,3,A,gobackA ifB,+,B,gtp+

ifC,0,C,gtpa ifC,1,D,gtpa ifC,2,A,gobackB ifC,3,B,gobackB ifC,+,C,gtp+

ifD,0,D,gtpa ifD,1,A,gobackC ifD,2,B,gobackC ifD,3,C,gobackC ifD,+,D,gtp+

gtp+,A,<,gtp+ gtp+,B,<,gtp+ gtp+,C,<,gtp+ gtp+,D,<,gtp+ gtp+,^,+,gtpa

gtp+,0,<,gtp+ gtp+,1,<,gtp+ gtp+,2,<,gtp+ gtp+,3,<,gtp+

gobackA,A,<,goback

gobackAag,0,<,goback

gobackB,A,<,goback gobackB,B,<,goback

gobackC,A,<,goback gobackC,B,<,goback gobackC,C,<,goback

goback,0,1,gtpa goback,1,2,gtpa goback,2,3,gtpa goback,3,0,gobackAag goback,+,1,gtp+

delete+^,+, ,delete+^ delete+^,^, ,delete+^ delete+^, ,>,fin

notdeletep,p,+,notdeletep notdeletep,+,>,fin

fin1,0,<,fin1 fin1,1,<,fin1 fin1,2,<,fin1 fin1,3,<,fin1 fin1,A,<,fin1 fin1,B,<,fin1 fin1,C,<,fin1 fin1,D,<,fin1 fin1,$,<,fin1 fin1,^,<,fin1

fin1,+,^,fin1 fin1,p,<,fin1 fin1, ,>,fin

fin,$,>,fin

fin,0,>,fin fin,1,>,fin fin,2,>,fin fin,3,>,fin

fin,A,0,fin fin,B,1,fin fin,C,2,fin fin,D,3,fin

fin,+,=,delete+^ fin,^,=,delete+^ fin,p,=,notdeletep fin, ,=,$$$

$$$, ,$,glf

glf,0,<,glf glf,1,<,glf

glf,2,<,glf glf,3,<,glf

glf, ,>,fc

glf,$,<,glf

grf, ,>,grf

grf,$, ,end1

grf,0,=,fc grf,1,=,fc

grf,2,=,fc grf,3,=,fc

fc,0, ,fc0 fc,1, ,fc1

fc,2, ,fc2 fc,3, ,fc3

fc, ,=,fin

fc0, ,<,fc0 fc0,$,>,post0

fc0,A,>,post0 fc0,C,>,post0

fc0,B,>,post0 fc0,D,>,post0

post0, ,A,post0 post0,A,>,grf

fc1, ,<,fc1 fc1,$,>,post1

fc1,A,>,post1 fc1,C,>,post1

fc1,B,>,post1 fc1,D,>,post1

post1, ,B,post1 post1,B,>,grf

fc2, ,<,fc2 fc2,$,>,post2

fc2,A,>,post2 fc2,C,>,post2

fc2,B,>,post2 fc2,D,>,post2

post2, ,C,post2 post2,C,>,grf

fc3, ,<,fc3 fc3,$,>,post3

fc3,A,>,post3 fc3,C,>,post3

fc3,B,>,post3 fc3,D,>,post3

post3, ,D,post3 post3,D,>,grf

end1,0,<,end1 end1,1,<,end1 end1,2,<,end1 end1,3,<,end1 end1,A,<,end1 end1,B,<,end1 end1,C,<,end1 end1,D,<,end1 end1,$,<,end1 end1, ,<,end1

end1,+,<,end2

end2,$,=,delete$

end2,0,>,end2 end2,1,>,end2 end2,2,>,end2 end2,3,>,end2

end2,A,0,end2 end2,B,1,end2 end2,C,2,end2 end2,D,3,end2

end2,+, ,end0 end2, ,#,end2

end0, ,>,end2

delete$,$, ,delete$ delete$, ,>,end2