tgx*tgz=3
tgy*tgz=6
x+y+z=P

tgx/tgy=½
sinxcosy/cosxsiny=½

tgz(tgx+tgy)=9
3tgztgx=9
tgx*tgz=3

tg(x+y)=sin(x+y)/cos(x+y)=(sinxcosy+cosxsiny)/(cosx*cosy-sinxsiny)=
(sinx/cosx+siny/cosy)/(1-sinxsiny/cosxcosy)=(tgx+tgy)/(1-tgx*tgy)
z=P-y-x
tgx*tg(P-(x+y))=3
tgx*tg(x+y)=-3
tgx(tgx+tgy)/(1-tgx*tgy)=-3
3tg^2x/(1-2tg^2x)=-3
3tg^2x=-3(1-2tg^2x)
3tg^2x=-3+6tg^2x
tg^2x=-1+2tg^2x
tg^2x=1
tgx=1
x=P/4+Pk
tgx=-1
x=-P/4+Ph

1/tgy=½
tgy=2
y=arctg2+Pk
tgy=-2
y=-arctg2+Ph

tgz=6/2=3
z=arctg3+Pk
tgz=-3
z=-arctg3+Pk

Ответ (P/4+Pk;arctg2+Pn;arctg3+Ph) (-P/4+Pk;-arctg2+Pn-;arctg3+Ph)