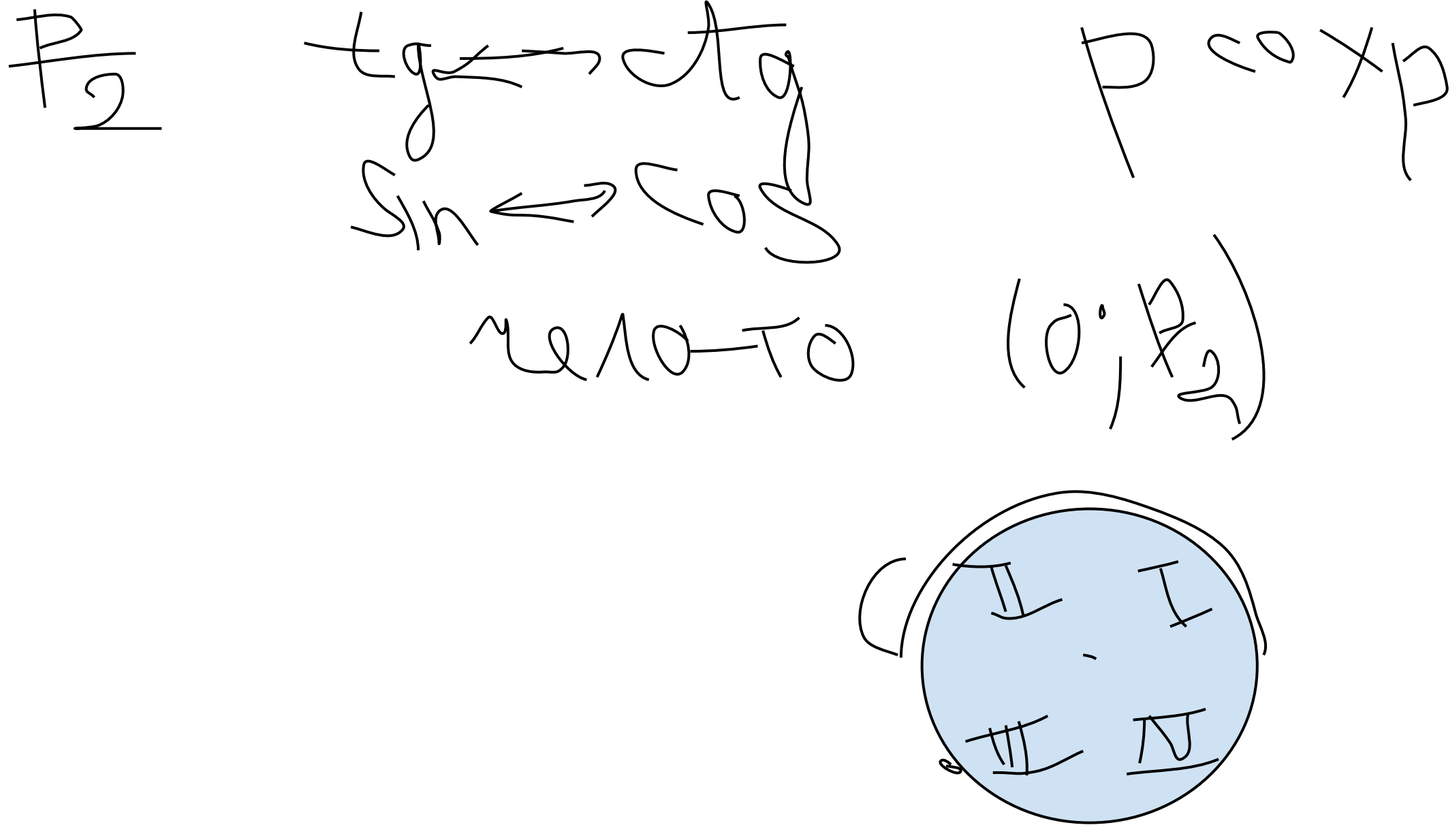
tgx*tgz=3
tgy*tgz=6
x+y+z=P



z=P-x-y
tgx*tg(P-x-y)=3
tg(y)*tg(P-x-y)=6

-tgx*tg(x+y)=3
-tgy*tg(x+y)=6

tgx/tgy=1/2
tgy=2tgx

-tgx(tgx+2tgx) / (1 - tgx*2tgx)=3

tgx=t

-t(t+2t)/(1-t*2t)=3
-t^2-2t^2 / 1-2t^2=3
-t^2-2t^2=3-6t^2
3t^2-3=0
t^2=1
t=+-1
tgx=+-1
x=P/4+pk
x=3P/4+pk
tgy=+-2
y=arctg(+-2)+pn
z=P-P/4+pk-arctg(+-2)+pn
Ответ:(P/4+pk;arctg(+2)+pn;P-P/4+pk-arctg(+2)+pn);(3P/4+pk;arctg(-2)+pn;P-P/4+pk-a
rctg(-2)+pn)

tg(x+y)=sin(x+y)/cos(x+y)=(sinx*cosy+siny*cosx)/(cosx*cosy-siny*sinx)=
(sinx*cosy+siny*cosx)/cosxcosy / (cosx*cosy-siny*sinx)/cosxcosy=
=sinx/cosx+siny/cosy / 1-siny*sinx/cosxcosy=tgx+tgy / 1 - tg(x)*tgy

tg(x+y)=(tgx+tgy) / (1 - tgx*tgy)