sinx-siny =2sin((x-y)/2)*cos((x+y)/2)

cos((P/2)*tgx) = sin((P/2)*ctgx)
sin(P/2-(P/2)*tgx)-sin((P/2)*ctgx)=0
2sin((P/2-(P/2)*tgx-(P/2)*ctgx)/2)*cos((P/2-(P/2)*tgx+(P/2)*ctgx)/2)=0
2sin((P/2-(P/2)*tgx-(P/2)*ctgx)/2)*cos((P/2-(P/2)*tgx+(P/2)*ctgx)/2)=0
sin((P/2-(P/2)*tgx-(P/2)*ctgx)/2)=0
(P/2-(P/2)*tgx-(P/2)*ctgx)/2=Pk
P(1-tgx-ctgx)/4=Pk
1-tgx-ctgx=4k
tgx+ctgx=1-4k
sinx/cosx+cosx/sinx=1-4k
(sin^2(x)+cos^2(x))/sinx*cosx=1-4k
1/sinx*cosx=1-4k
sinx*cosx=1/(1-4k)
sin2x/2=1/(1-4k)
sin2x=2/(1-4k)
k>=1 k<=-1 || k!=0
2x=arcsin(2/(1-4k))+2Pn
x=arcsin(2/(1-4k))/2+Pn

2x=P-arcsin(2/(1-4k))+2Pn
x=P/2-arcsin(2/(1-4k))/2+Pn

cos((P/2-(P/2)*tgx+(P/2)*ctgx)/2)=0
(P/2-(P/2)*tgx+(P/2)*ctgx)/2=P/2+Pk
P(1-tgx+ctgx)/4=P/2+Pk
P(ctgx-tgx-1)/4=Pk
ctgx-tgx-1=4k
ctgx-tgx=4k+1
cosx/sinx-sinx/cosx=4k+1
(cos^2x-sin^2x)/sinx*cosx=4k+1
(2cos^2x-1)/sinx*cosx=4k+1
cos2x/sinx*cosx=4k+1
2cos2x/sin2x=4k+1
cos2x/sin2x=(4k+1)/2
ctg2x=(4k+1)/2
2x=arcctg((4k+1)/2)+Pn
x=arcctg((4k+1)/2)+Pn/2

Ответ:arcsin(2/(1-4k))/2+Pn
P/2-arcsin(2/(1-4k))/2+Pn
arcctg((4k+1)/2)+Pn/2