sin4x = (1+V2)(sin2x + cos2x - 1)

2*sin2x*cos2x = (1+V2)(sin2x + cos2x - 1)

sin^2(2x) + 2*sin2x*cos2x + cos^2(2x) = (1+V2)(sin2x + cos2x - 1) + sin^2(2x) + cos^2(2x)

(sin2x + cos2x)^2 = (1+V2)(sin2x + cos2x - 1) + 1

sin2x + cos2x=t

t^2 = (1+v2)(t-1)+1

t^2 - 1= (1+v2)(t-1)

(t-1)(t+1)=(1+v2)(t-1)

(t-1) [t+ 1 - (1+v2)]=0

t=1

t=V2

sin2x + cos2x=1

V2*sin(2x + P/4)=1

sin(2x + P/4)=1/V2

2x+P/4=P/4+2Pk

x=Pk

2x+P/4=3P/4+2Pk

x=P/4+Pk

sin2x + cos2x=V2

V2*sin(2x + P/4)=V2

sin(2x + P/4)=1

2x+P/4=P/2+2Pk

x=P/8+Pk

Ответ {P/8+Pk} U {P/4+Pk} U {Pk}