# A,B,C = числа u, v переменные

# Au^2 + Bu^1v^1 + Cv^2 = 0 |:v^2

Au^2/v^2 + Bu^1/v^1 + C = 0
At^2 + Bt + C = 0

sin^2 x - V2cos(2x - P/4)=1
sin^2 x -V2(cos2x*V2/2 + sin2x*V2/2)=1
sin^2 x -cos2x + sin2x=1
sin^2 x -2cos^2 x +1 +2sinx*cosx=1
sin^2 x -2cos^2 x +2sinx*cosx=0 :cos^2x
sin^2x/cos^2x -2 cos^2x/cos^2x + 2sinx*cosx/cos^2x=0

sinx/cosx = t

cosx !=0

t^2+2t-2=0
D=1+2=3
t1,2=-1+-V3
tgx= -1+-V3
x=arctg(-1+-V3) +Pk

sin^3 3x - 4sin^2 3x*cos3x + 3sin3x*cos^2 3x=0 : sin^3*x3
sin^3 3x/sin^3*x3 - 4sin^2 3x*cos3x/sin^3*x3 + 93sin3x*cos^23x)/sin^3*x3=0
1 - 4cos3x/sin3x + 3*(cos3x/sin3x)^2=0
cos 3x/sin 3x = t
1-4t+3t^2=0
3t^2-4t+1=0

t=1
t=⅓

tg3x=1
3x=P/4+Pk
x=P/12+Pk/3

tg 3x= ⅓
3x= arctg ⅓ + Pk
x= (arctg ⅓)/3 + Pk/3

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(2sinxcosx - cos^2 x) / (2cosx - sinx) = 0

(2sinxcosx - cos^2 x)=0
(2cosx - sinx) != 0

2sinxcosx - cos^2 x=0
cosx(2sinx - cosx)=0
cosx=0
x =P/2+Pk

2sinx - cosx=0 :cosx
tgx=1/2
x=arctg1/2 +Pk

2cosx - sinx != 0
Пусть 2cosx - sinx = 0 => sinx=2cosx
v 2sinxcosx - cos^2 x=0 podstavim
poluchitsa 3cos^2x=0 => cosx=0 a otsuda sinx=2cosx sinx=0 ---- nevozmosno