

$\sin(P\cos x) = \cos(P\sin x)$
 $\sin(P\cos x) - \cos(P\sin x) = 0$
 $\sin(P\cos x) - \sin(P/2 - P\sin x) = 0$
 $2\cos((P\cos x + P/2 - P\sin x)/2) * \sin((P\cos x - P/2 + P\sin x)/2) = 0$

$\cos((P\cos x + P/2 - P\sin x)/2) = 0$

$$(P\cos x + P/2 - P\sin x)/2 = p/2 + pk$$

$$(\cos x + \frac{1}{2} - \sin x)/2 = 1/2 + k$$

$$2\cos x + 1 - 2\sin x = 2 + 4k$$

$$2\cos x - 2\sin x = 1 + 4k$$

$$\cos x - \sin x = (1 + 4k)/2$$

$$\sin x - \cos x = -(1 + 4k)/2$$

$$\sqrt{2}(\cos a \sin x - \cos x \sin a) = -(1 + 4k)/2$$

$$\sin a = 1/\sqrt{2}$$

$$\cos a = 1/\sqrt{2}$$

$$a = P/4$$

$$\sqrt{2}(\sin(x - a)) = -(1 + 4k)/2$$

$$\sin(x - P/4) = -(1 + 4k)/2\sqrt{2}$$

$$-1 \leq -(1 + 4k)/2\sqrt{2} \leq 1$$

$$-2\sqrt{2} \leq -1 - 4k \leq 2\sqrt{2}$$

$$-2\sqrt{2} + 1 \leq -4k \leq 2\sqrt{2} + 1$$

$$\sqrt{2}/2^{-1/4} \geq k \geq -\sqrt{2}/2 - 1/4$$

$$k = 0$$

$$\sin(x - P/4) = -1/\sqrt{2}$$

$$x - P/4 = \arcsin(-1/\sqrt{2}) + 2pn$$

$$x - P/4 = p - \arcsin(-1/\sqrt{2}) + 2pn$$

$$x_1 = \arcsin(-1/\sqrt{2}) + 2pn + p/4$$

$$x_2 = 3p/4 - \arcsin(-1/\sqrt{2}) + 2pn$$

$\alpha \subseteq (\wedge x \rightarrow f \cos x)$

$$59^*59 = (60-1)^2 = 3600 - 120 + 1 = 3481$$

$$25^2 = 625$$

$$55^2 = 3025 \quad 5^*6 \quad 25$$

$$75^2 = 5625$$

$$\sin((P\cos x - P/2 + P\sin x)/2) = 0$$

$$(P\cos x - P/2 + P\sin x)/2 = pk | * 2/p$$

$$\cos x - \frac{1}{2} + 2\sin x = 2k | * 2$$

$$2\cos x - 1 + 2\sin x = 4k$$

$$2\cos x + 2\sin x = 4k + 1 | /2$$

$$\sin x + \cos x = 2k + \frac{1}{2}$$

$$\sqrt{2}(\cos a \sin x + \sin a \cos x) = 2k + \frac{1}{2}$$

$$\sin a = 1/\sqrt{2}$$

$$\cos a = 1/\sqrt{2}$$

$$a = P/4$$

$$\sqrt{2}(\sin(x + P/4)) = 2k + \frac{1}{2} | / \sqrt{2}$$

$$\sin(x + P/4) = (2k + \frac{1}{2})/\sqrt{2}$$

$$-1 \leq (2k + \frac{1}{2})/\sqrt{2} \leq 1$$

$$-\sqrt{2} \leq 2k + \frac{1}{2} \leq \sqrt{2}$$

$$-\sqrt{2} - \frac{1}{2} \leq 2k \leq \sqrt{2} - \frac{1}{2}$$

$$-(\sqrt{2} - \frac{1}{2})/2 \leq k \leq (\sqrt{2} - \frac{1}{2})/2$$

$$k = 0$$

$$x + P/4 = \arcsin(1/\sqrt{2}) + 2pn$$

$$x + P/4 = p - \arcsin(1/\sqrt{2}) + 2pn$$

$$x_1 = \arcsin(1/\sqrt{2}) - p/4 + 2pn$$

$$x_2 = 3p/4 - \arcsin(1/\sqrt{2}) + 2pn$$