

$\sin x + \cos y = 0$ $\sin^2 x + \cos^2 y = 1$	$\sin x = a$ $\cos y = b$	$a + b = 0$ $a^2 + b^2 = 1$ $a = -b$ $b^2 + b^2 = 1$ $b^2 = \frac{1}{2}$ $b = \frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}$ $a = -\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}$ $\sin x = -\frac{\sqrt{2}}{2}$ $x = -\frac{\pi}{4} + 2\pi k$ $x = \frac{5\pi}{4} + 2\pi k$ $\sin x = \frac{\sqrt{2}}{2}$ $x = \frac{\pi}{4} + 2\pi k$ $x = \frac{3\pi}{4} + 2\pi k$ $\cos y = \frac{\sqrt{2}}{2}$ $y = \pm \frac{\pi}{4} + 2\pi h$ $\cos y = -\frac{\sqrt{2}}{2}$ $y = \pm \frac{3\pi}{4} + 2\pi h$	$a + b = 0$ $a^2 + b^2 = 1$ $a = -b$ $b^2 + b^2 = 1$ $b^2 = \frac{1}{2}$ $\sin^2 x = \frac{1}{2}$ $\frac{(1 - \cos 2x)}{2} = \frac{1}{2}$ $1 - \cos 2x = 1$ $\cos 2x = 0$ $2x = \frac{\pi}{2} + \pi k$ $x = \frac{\pi}{4} + \frac{\pi k}{2}$ $a^2 = \frac{1}{2}$ $\cos^2 y = \frac{1}{2}$ $\frac{(1 + \cos 2y)}{2} = \frac{1}{2}$ $1 + \cos 2y = 1$ $\cos 2y = 0$ $y = \frac{\pi}{4} + \frac{\pi h}{2}$	Otvet: $(\frac{\pi}{4} + \frac{\pi k}{2}; \frac{\pi}{4} + \frac{\pi h}{2})$
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