

$$\begin{aligned} \cos Px + \sin(Px - P/4) &> 0 \\ \sin(p/2 - Px) + \sin(Px - P/4) &> 0 \\ 2\sin(p/8) \cdot \cos(-3p/8 - px) &> 0 \\ \cos(3p/8 + px) &> 0 \\ -p/2 + 2pk \leq 3p/8 + px \leq p/2 + 2pk \\ -7p/8 + 2pk \leq px \leq p/8 + 2pk \\ -7/8 + 2k \leq x \leq 1/8 + 2k \end{aligned}$$

$$\cos t = \sin\left(\frac{p}{2} - t\right)$$

$$\downarrow \sin t = \cos\left(\frac{p}{2} - t\right)$$