

$$\frac{\sin x + 2\cos x - 1}{-1 + \cos 2x - \cos x} \geq \frac{1}{\cos x}$$

$$\frac{\sin x + 2\cos x - 1}{1 + 2\cos^2 x - 1 - \cos x} \geq \frac{1}{\cos x}$$

$$\frac{\sin x + 2\cos x - 1}{\cos x(2\cos x - 1)} - \frac{1}{\cos x} \geq 0$$

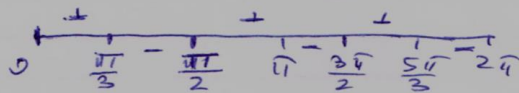
$$\frac{\sin x + 2\cos x - 1 - 2\cos x + 1}{\cos x(2\cos x - 1)} \geq 0$$

$$\frac{\sin x}{\cos x(2\cos x - 1)} \geq 0$$

$$\sin x = 0 \\ x = \pi k$$

$$\cos x = 0 \\ x = \frac{\pi}{2} + \pi k$$

$$\cos x = \frac{1}{2} \\ x = \pm \frac{\pi}{3} + 2\pi k$$



$$0 \leq x \leq 2\pi \quad \text{Решая}$$

$$0 \leq x < \frac{\pi}{3}$$

$$\frac{\pi}{2} < x \leq \pi$$

$$\frac{3\pi}{2} < x < \frac{5\pi}{3}$$