

Решите тригонометрическое неравенство $2\sin^2 x + \sin x \geq 0$.

$$1) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left[\frac{7\pi}{6} + 2\pi k; \frac{11\pi}{6} + 2\pi k \right).$$

$$2) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left[\frac{7\pi}{6} + 2\pi k; \frac{11\pi}{6} + 2\pi k \right]$$

$$3) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left(\frac{7\pi}{6} + 2\pi k; \frac{11\pi}{6} + 2\pi k \right).$$

$$4) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left[\frac{7\pi}{6} + \pi k; \frac{11\pi}{6} + \pi k \right).$$

$$5) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left[\frac{7\pi}{6} + 4\pi k; \frac{11\pi}{6} + 4\pi k \right).$$

$$6) \bigcup_{k \in \mathbb{Z}} [2\pi k; \pi + 2\pi k] \cup \left(\frac{7\pi}{6} + 2\pi k; \frac{11\pi}{6} + 2\pi k \right).$$