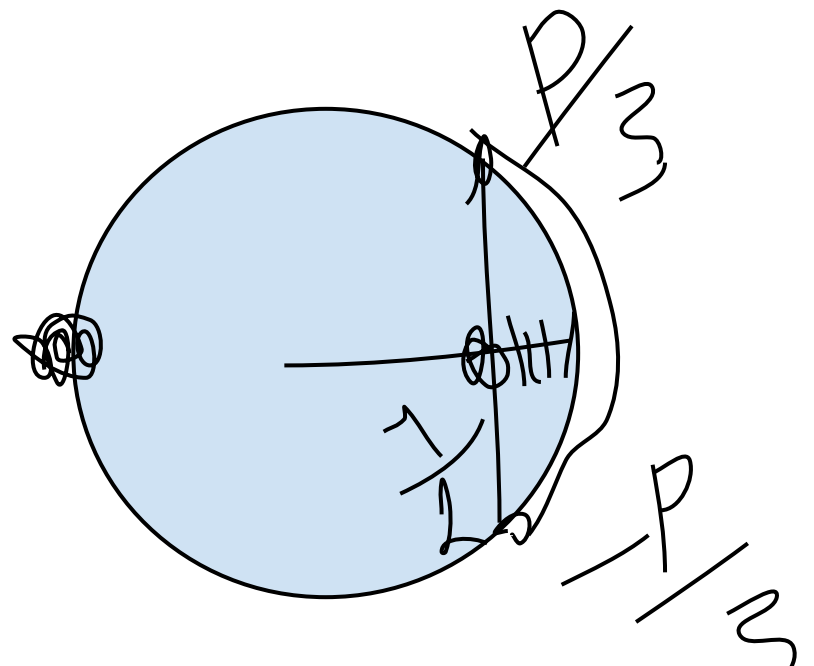


$V[\cos(x/1989) - 1/2] + V[\cos x - 1/2] = V[\cos(x/1989) + \cos x - 1]$
 $a = \cos(x/1989) - 1/2$
 $b = \cos x - 1/2$
 $Va + Vb = V(a+b)$
 $a + 2VaVb + b = a+b$
 $2VaVb = 0$
 $a = 0$
 $b = 0$
 $\cos(x/1989) - 1/2 = 0$
 $\cos(x/1989) = 1/2$
 $x/1989 = \pm p/3 + 2pn$
 $x = \pm 1989p/3 + 1989 \cdot 2pn$
 ~~$x = \pm 663p + 1989 \cdot 2pn$~~
 $\cos x - 1/2 = 0$
 $\cos x = 1/2$
 $x = \pm p/3 + 2pn$



$a \geq 0$
 $b \geq 0$
 $\cos(x) \geq 1/2$
 $-P/3 + 2PK \leq x \leq P/3 + 2PK$

 $\cos(x/1989) - 1/2 \geq 0$
 $\cos(x/1989) \geq 1/2$
 $-1989p/3 + 1989 \cdot 2pk \leq \pm p/3 + 2pn \leq 1989p/3 + 1989 \cdot 2pk$
 $-\pm p/3 - 1989p/3 + 1989 \cdot 2pk \leq 2pn \leq -\pm p/3 + 1989p/3 + 1989 \cdot 2pk$
 $-\pm 1/6 - 1989/6 + 1989k \leq n \leq -\pm 1/6 + 1989/6 + 1989k$
 Ответ: $\pm p/3 + 2pn$ где
 $-\pm 1/6 - 1989/6 + 1989k \leq n \leq -\pm 1/6 + 1989/6 + 1989k$

