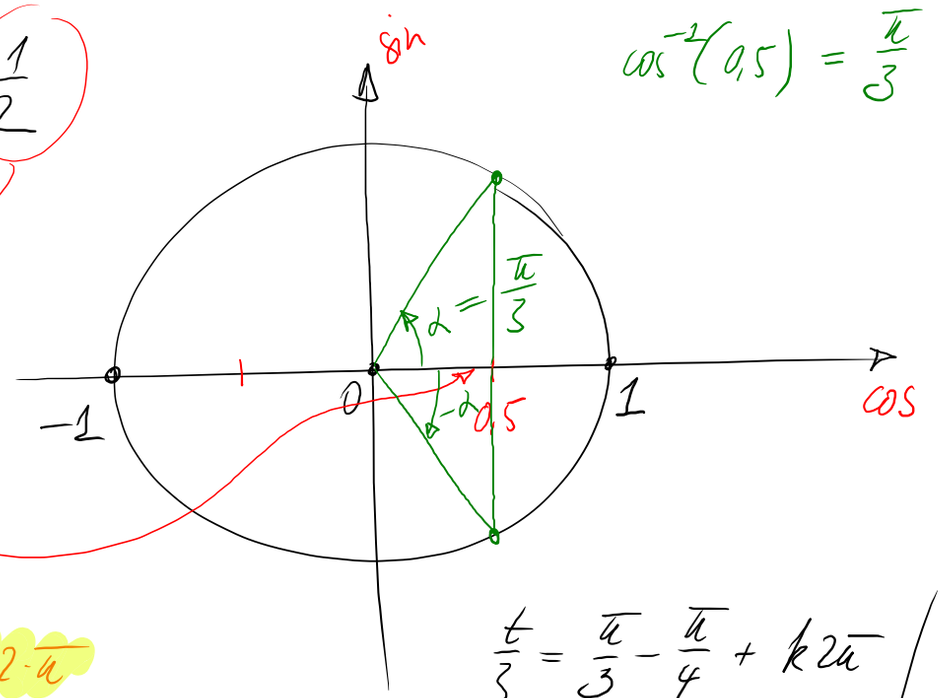
RADIANS

$$\cos\left(\frac{t}{3}+\frac{\pi}{4}\right)=\frac{1}{2}$$

$\cos^{-1}(0{,}5)=\frac{\pi}{3}$

4.3.4 a6



① DESSIN

② $\cos^{-1}(0{,}5)$

③ $\frac{t}{3}+\frac{\pi}{4}=\frac{\pi}{3}+k\cdot 2\cdot\pi$

$\frac{t}{3}=\frac{\pi}{3}-\frac{\pi}{4}+k2\pi \;\Big/\; t=\frac{\pi}{12}\cdot 3+k6\pi \;\Big/\; \boxed{t=\frac{\pi}{4}+k\cdot 6\pi}$

$\frac{t}{3}+\frac{\pi}{4}=-\frac{\pi}{3}+k\cdot 2\cdot\pi$

$\frac{t}{3}=-\frac{\pi}{3}-\frac{\pi}{4}+k\cdot 2\pi \;\Big/\; t=-\frac{7\pi}{12}\cdot 3+k\cdot 6\pi \;\Big/\; \boxed{t=-\frac{7\pi}{4}+k\cdot 6\pi}$

Médiane (cas discret)

61

123 1 ← X_{62}

61

Effectifs cum

	Valeur	Effectif	f_i %	$f_i \cdot x_i$
0	1	0	0	0
2	1.5	2	1,6	0,024
9	2	7	5,7	0,114
17	2.5	8	6,5	0,163
28	3	11	8,9	0,268
~~47~~	3.5	19	15,4	0,541
65	4	18	14,6	0,585
	4.5	16	13,0	0,585
	5	19	15,4	0,772
	5.5	17	13,8	0,760
	6	6	4,9	0,293

x_{47} dernier 3,5

x_{65} dernier 4

$x_{62} = 4$

MÉDIANE (CAS DISCRET)

123 — 61 — 1 — 61

x_{62} médiane

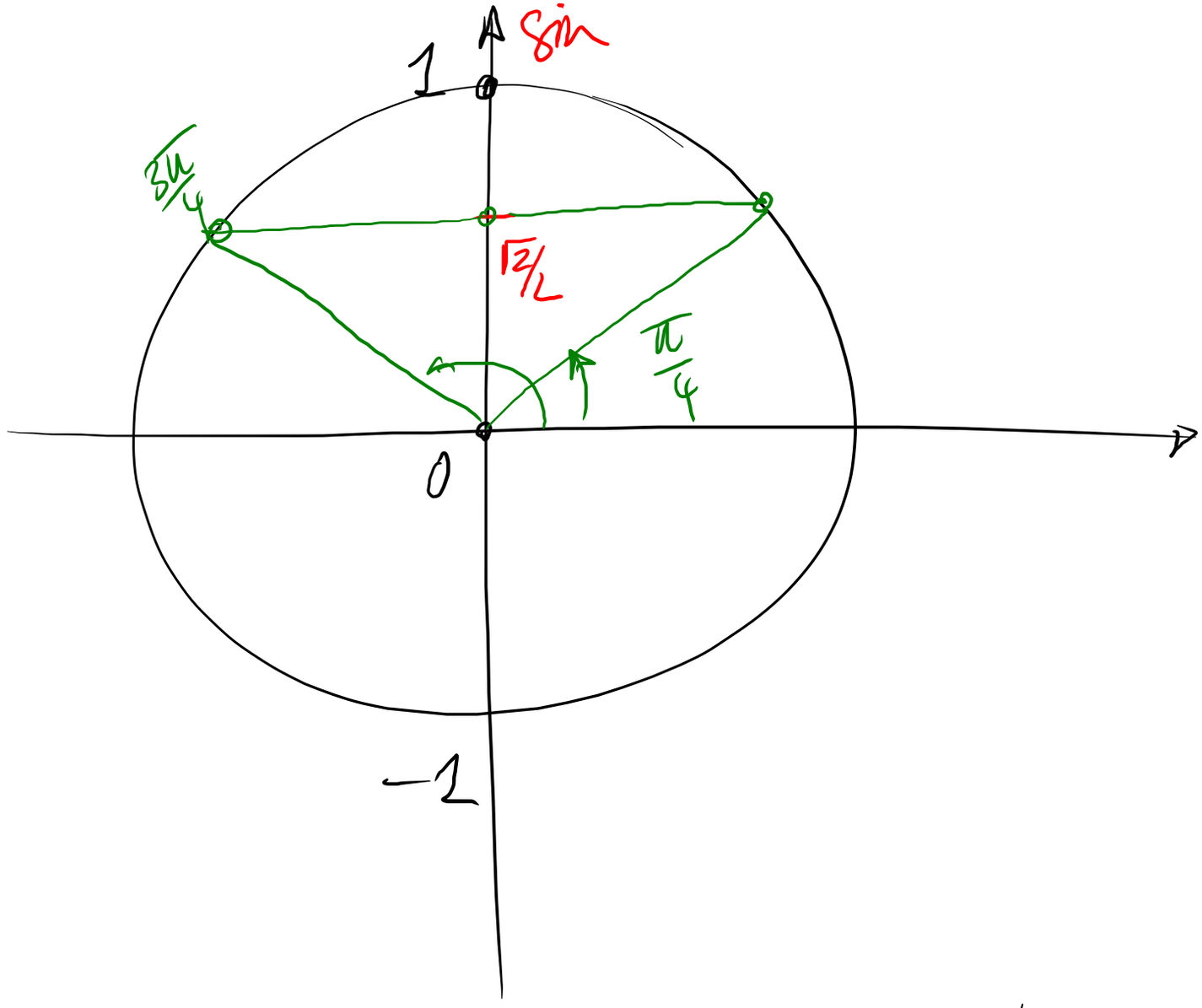
① DESSIN

② CALCUL

$\sin(?) = \frac{\sqrt{2}}{2}$

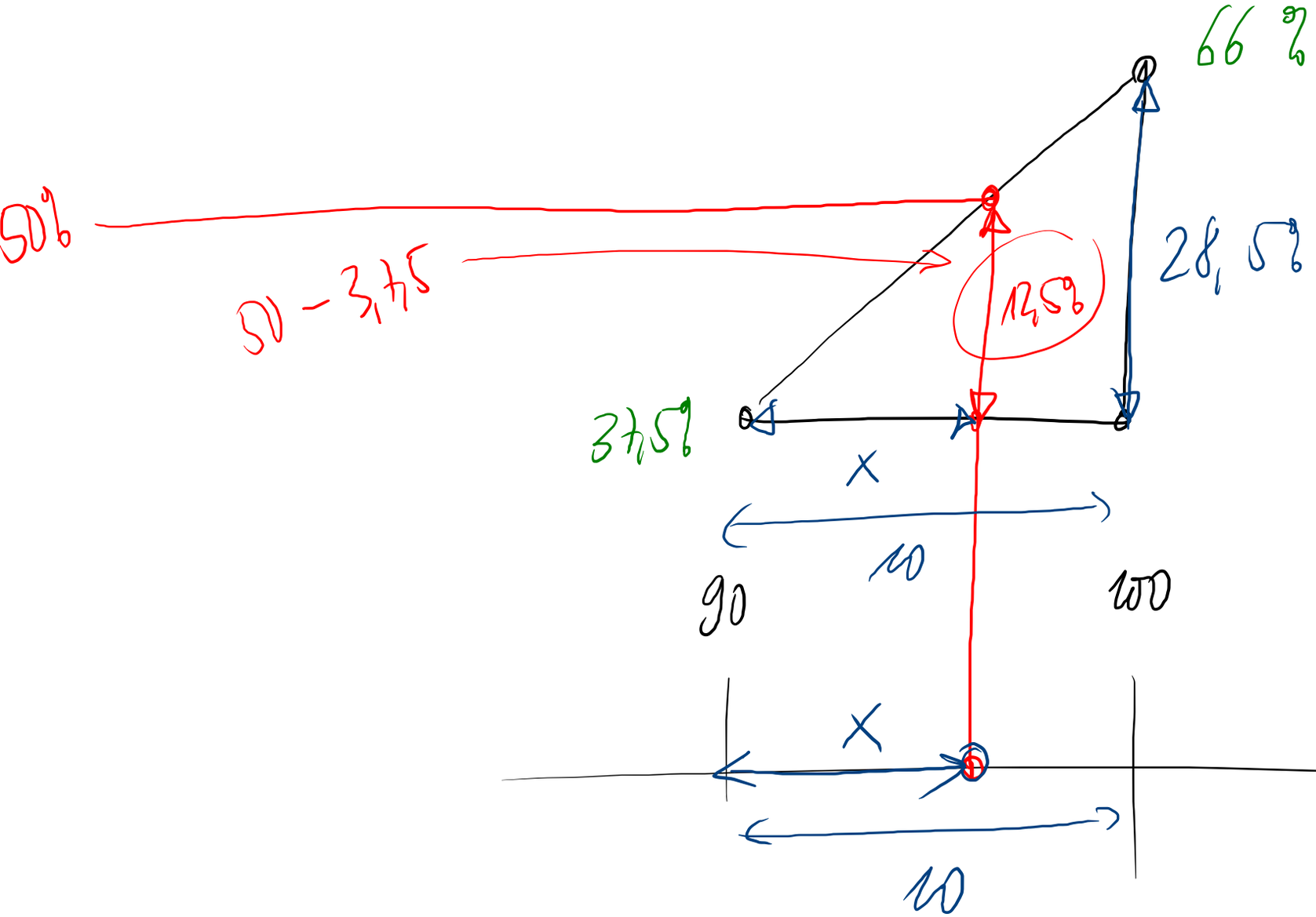
$? = \frac{\pi}{4} + k2\pi$

$? = \frac{3\pi}{4} + k2\pi$



③ SOLS

$\frac{2t}{3} + \frac{\pi}{4} = \frac{\pi}{4} + k2\pi \quad / \quad \frac{2t}{3} = k2\pi$



$$\frac{x}{10} = \frac{12,5}{28,5}$$

médiane: $90 + x$