$$y = -\frac{1}{3}x + b$$

$$(m > c, my)$$

$$\Rightarrow b = my + \frac{1}{3}mx$$

$$\Rightarrow y = -\frac{1}{3}x + c$$

C=2111

Compute midpoint
$$(P_1, P_2)$$

Campute bisector $y = ax+b$

Compute midpoint (P_3, P_4)

Compute bisector $y = \tilde{a}x+\tilde{b}$
 $x = 0.01$

distance = $abs((a - \tilde{a})x + (b - \tilde{b}))$

Compute $x = ax+b$

 $d = (y - \tilde{y}) = (\alpha - \tilde{\alpha}) \times + (64)$ While True For on [0:0.1: diameter]: distance = $abs((a - \tilde{a})x + (b - \tilde{b}))$ if distance ≤ € Return (oc, aoc+b)