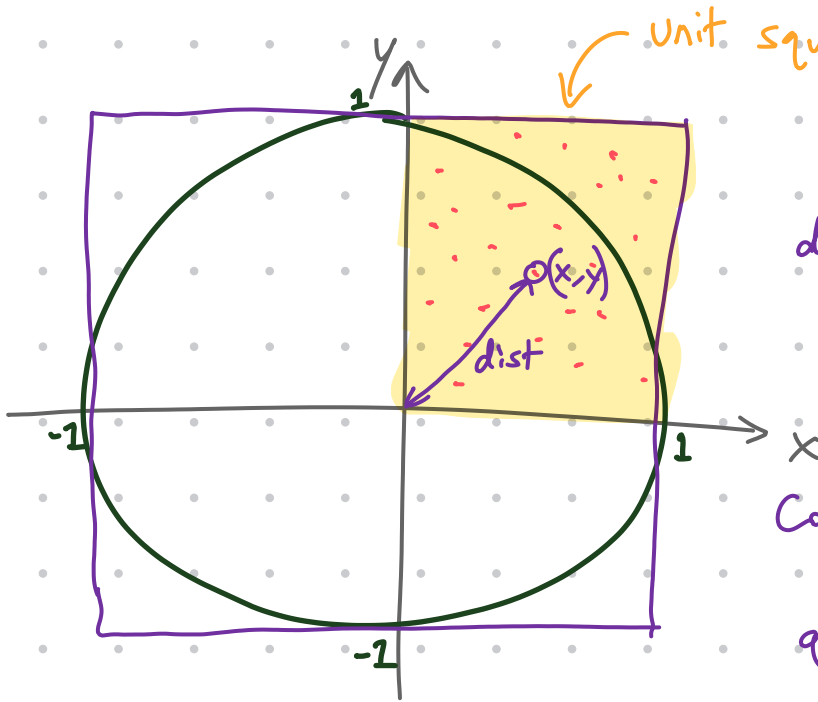


19 Feb. 2024



$$\text{dist} = \sqrt{x^2 + y^2} \leq 1$$
$$x^2 + y^2 \leq 1$$

Count the number of darts inside the quarter circle

$$\frac{\text{count}}{\text{total num. darts}} \approx \frac{\pi}{4}$$

$$\frac{\text{count}}{m} \approx \frac{\pi}{4}$$

$$\frac{4 \cdot \text{count}}{m} \approx \pi$$

