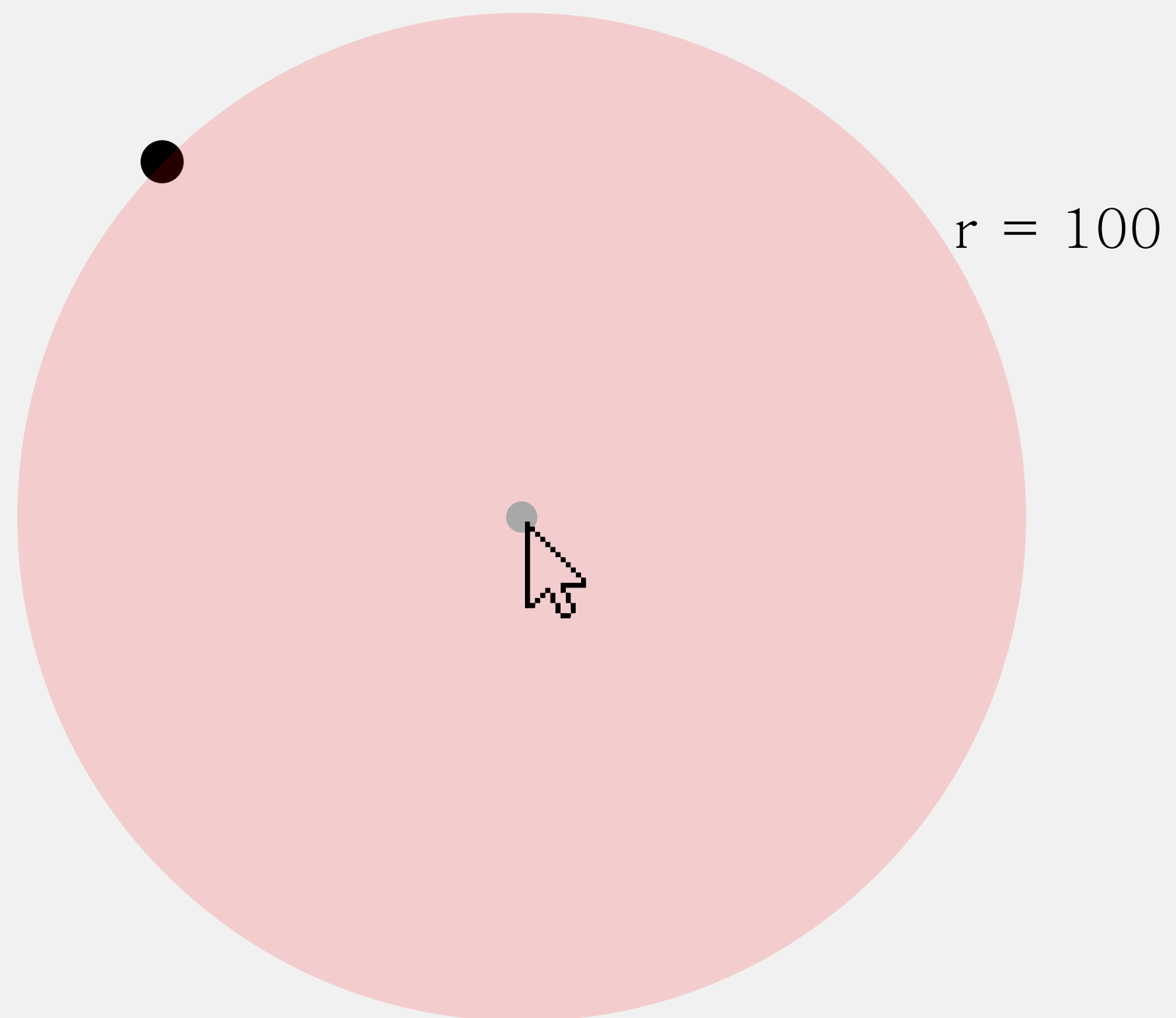
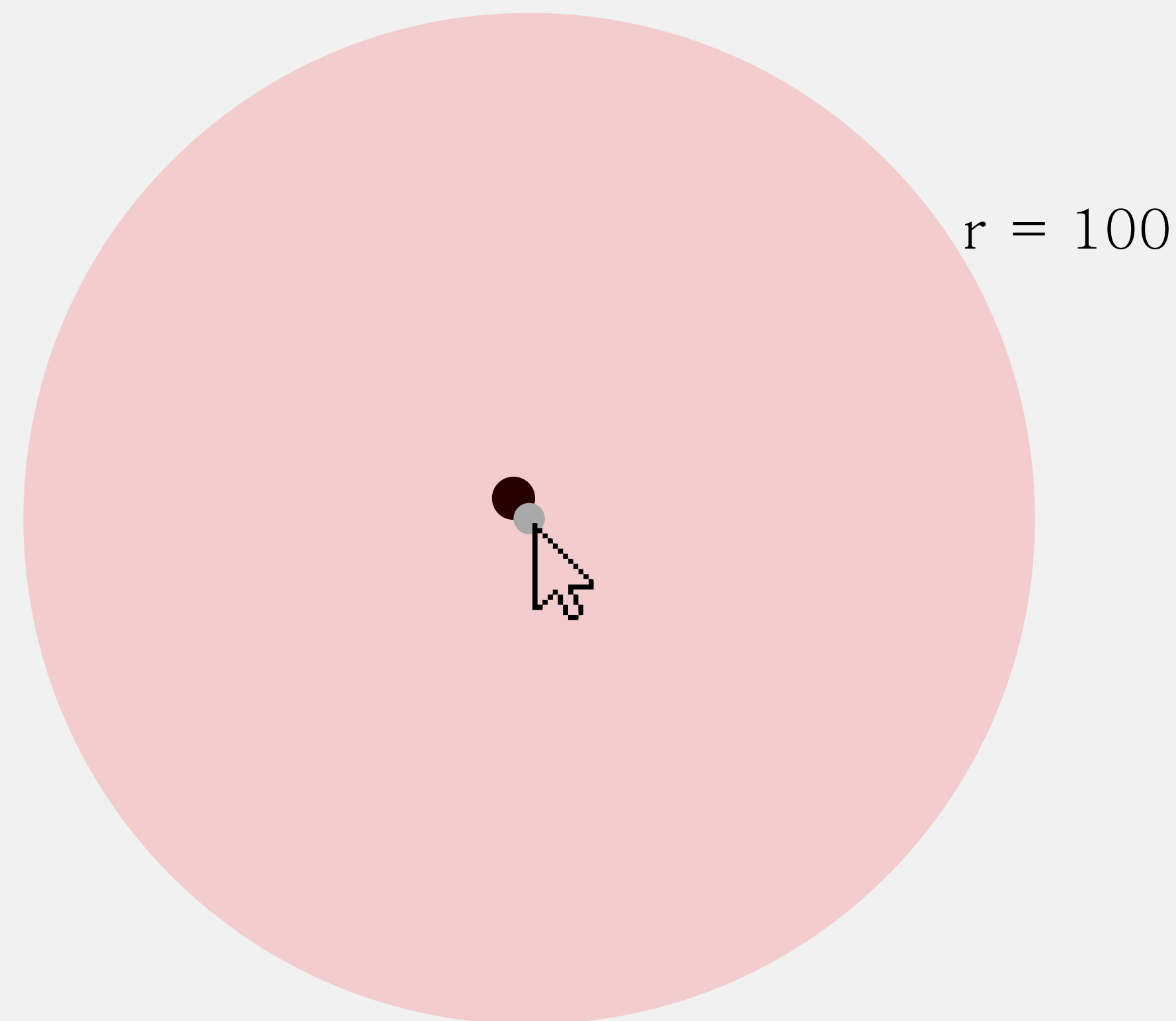


$$\begin{array}{c} \rightarrow - \rightarrow = \rightarrow \\ \text{mouse.pos} - \text{dot.pos} = (dx, dy) \end{array}$$

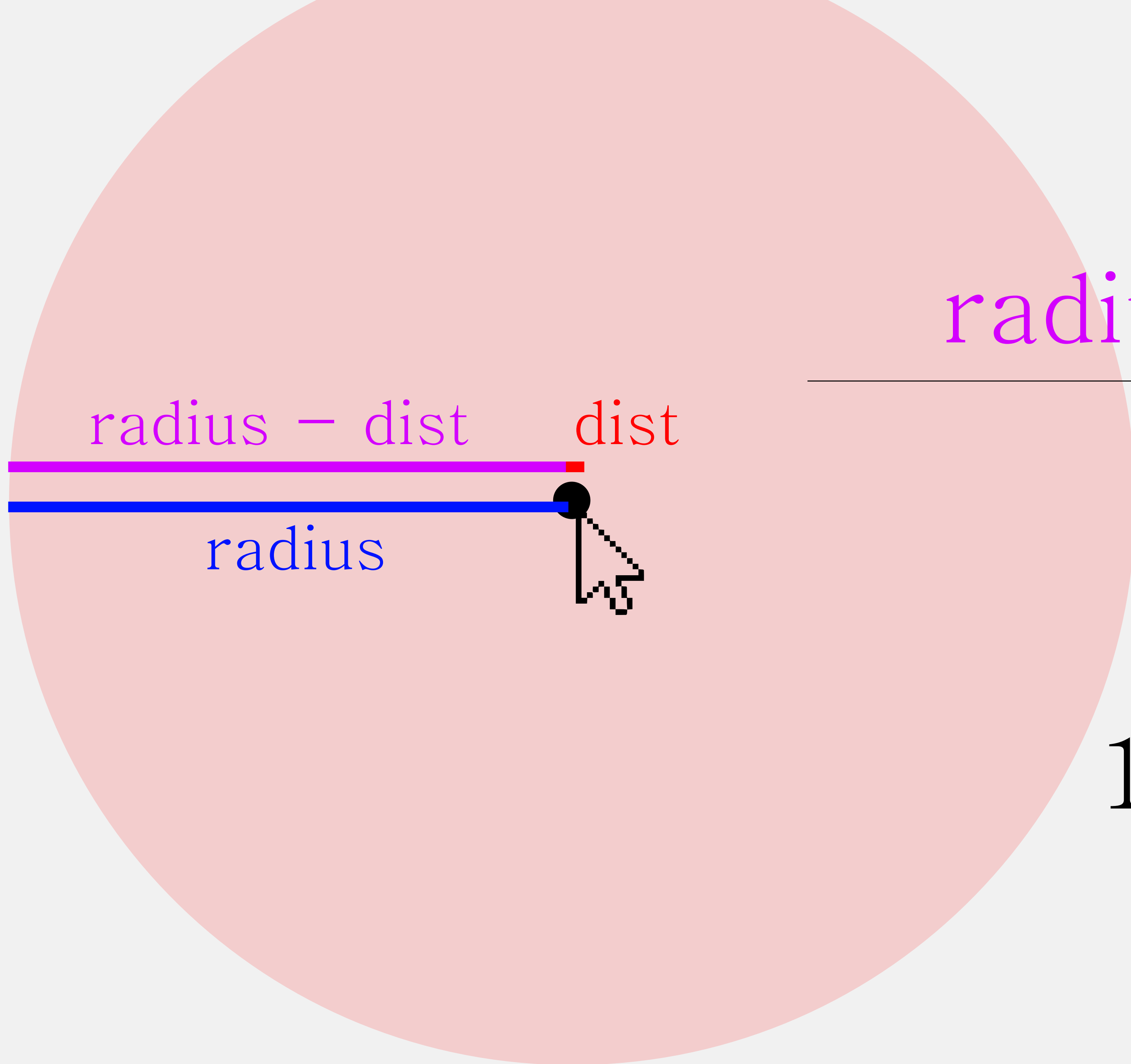
$$\frac{dx}{dist}, \frac{dy}{dist}$$



force = 0



force = 1



radius - dist

dist

radius

radius - dist

radius

$$1 - \frac{\text{dist}}{\text{radius}}$$