

Start

$$P(4 \leq X < 9)$$

$$P(X < 8.5)$$

$$P(X \geq 4)$$

$$P(X > 3.5)$$

$$P(3.5 < X < 4.5)$$

$$P(X = 4)$$

$$P(3.5 < X < 8.5)$$

$$P(X < 9)$$

$$P(4.5 < X < 9.5)$$

$$P(4 < X \leq 9)$$

$$P(X > 4.5)$$

$$P(X > 4)$$

$$P(X < 4.5)$$

$$P(X \leq 4)$$

$$P(4.5 < X < 8.5)$$

$$P(4 < X < 9)$$

$$P(3.5 < X < 9.5)$$

Finish

$$P(8.5 < X < 9.5)$$

$$P(X = 9)$$

$$P(X < 4)$$

$$P(X < 3.5)$$

$$P(4 \leq X \leq 9)$$