

## \* Sum of Square Numbers

$$5 \rightarrow 2^2 + 1^2$$

$$32 \rightarrow 4^2 + 4^2$$

$$4 \rightarrow 2^2 + 0^2$$

2 pointers to find

$$a^2 + b^2 < c \text{ or } a^2 + b^2 > c \text{ or } a^2 + b^2 = c$$

• or binary search to find  
 $c - b^2 = 0 \Rightarrow a^2$  type