PROVE IT

even

exercise 3: finish writing this proof by yourself

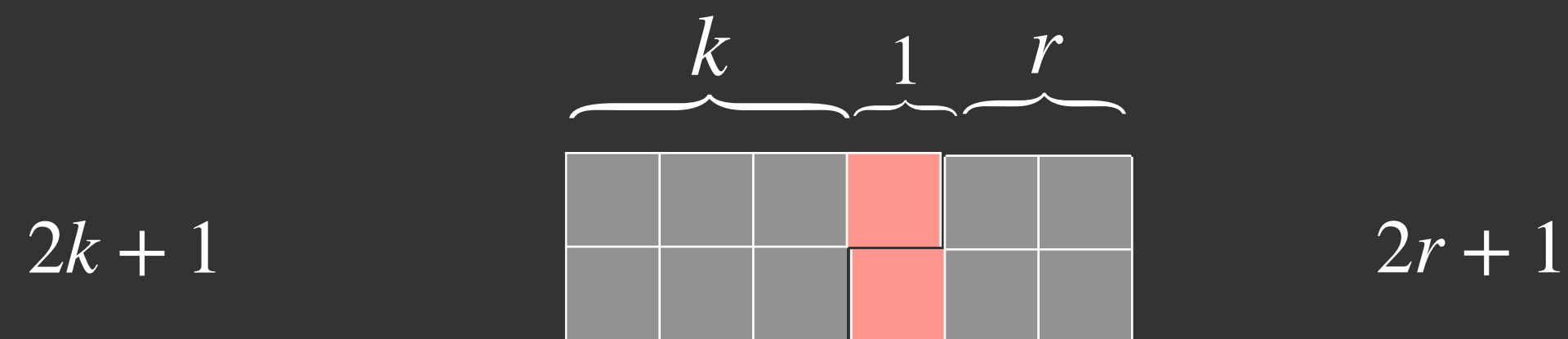# let's try another

Theorem

For all integers m and n, if m and n are odd, then $m+n$ is even.

- Visual intuition

$2k + 1$ $2r + 1$

$$(2k + 1) + (2r + 1) = 2(k + r + 1)$$
$$m \quad + \quad n \quad = 2(\quad s \quad)$$

▸ an integer n is called **even** if there is an integer k where $n = 2k$

exercise 3: finish writing this proof by yourself

the principle of mathematical induction

everybody do the wave!