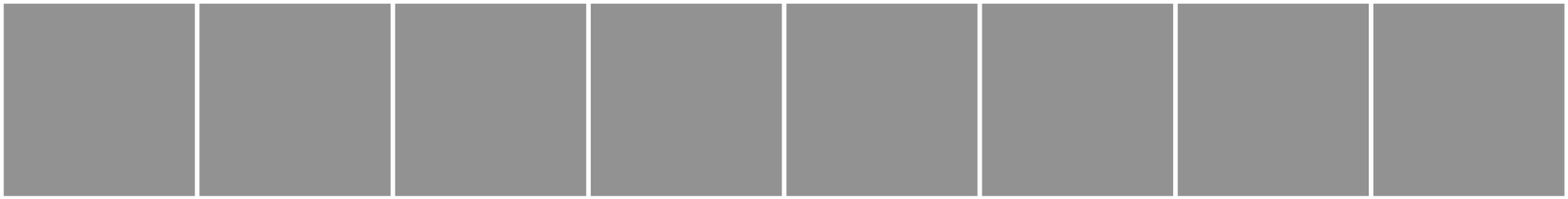


even

our first proof (by construction)

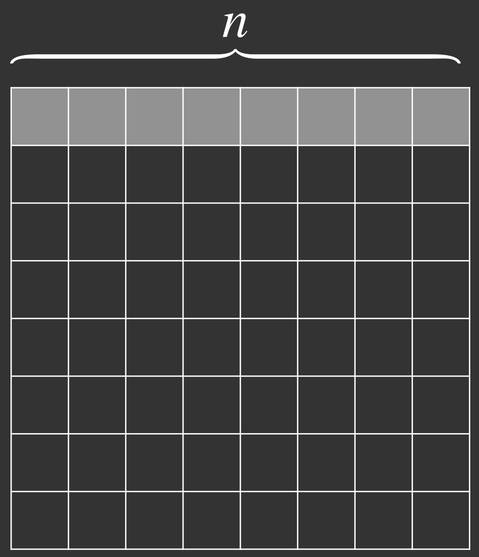

PROVE IT

our first proof (by construction)

Theorem

For all integers n, if n is even, then n^2 is even.

- If possible, it's helpful to draw some pics



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

our first proof (by construction)

Theorem

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$$\underbrace{\qquad}_{k}\underbrace{\qquad}_{k}$$

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