



even

on first proof (by contradiction)



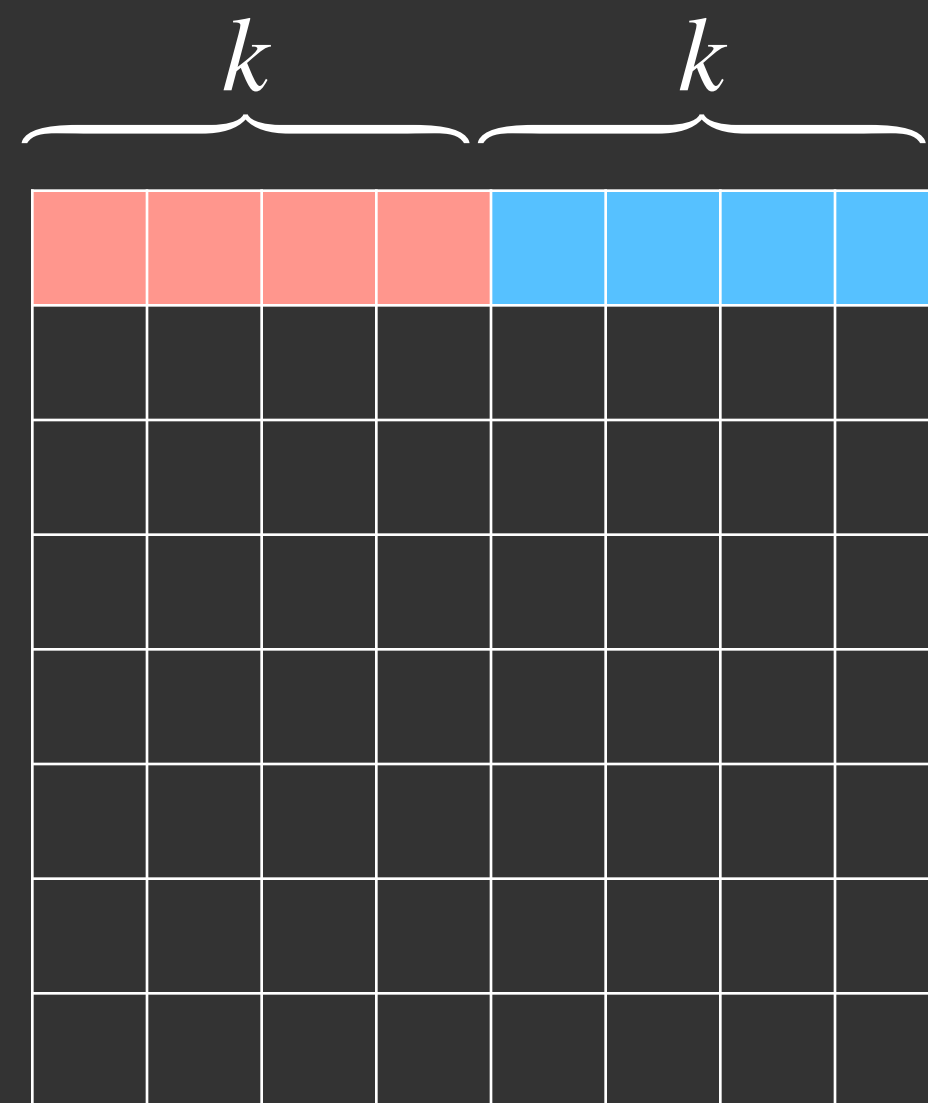
our first proof (by construction)

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

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



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

