



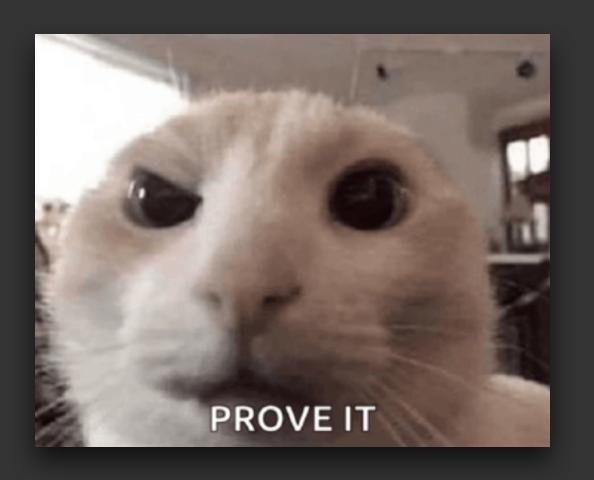
what's the pattern? can we predict this?

our first proof (by construction)

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Theorem

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



Pick some arbitrary even integer n and try some examples:

what's the pattern? can we predict this?

our first proof (by construction)

<u>Theorem</u>

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

