

# A Tiny Example

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Suppose we have an infinite collection of sets  $\mathcal{F}$ .  
We define a shatter function  $\pi_{\mathcal{F}}(n)$

$$\pi_{\mathcal{F}}(n) = \max\{\# \text{ of atoms in boolean algebra generated by } S \\ | S \subset \mathcal{F} \text{ with } |S| = n\}$$

## Second Slide

Contents of the second slide