

# A Tiny Example

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

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

## Second Slide

Contents of the second slide