

• Break point of \mathcal{H}

- $m_{\mathcal{H}}(k) < 2^k$

- VC dimension of \mathcal{H} : $k-1$ (the most points \mathcal{H} can shatter)

△ No break point $\Rightarrow m_{\mathcal{H}}(N) = 2^N$

Any break point $\Rightarrow m_{\mathcal{H}}(N)$ is polynomial in N

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