## Stock Market Prediction Problem

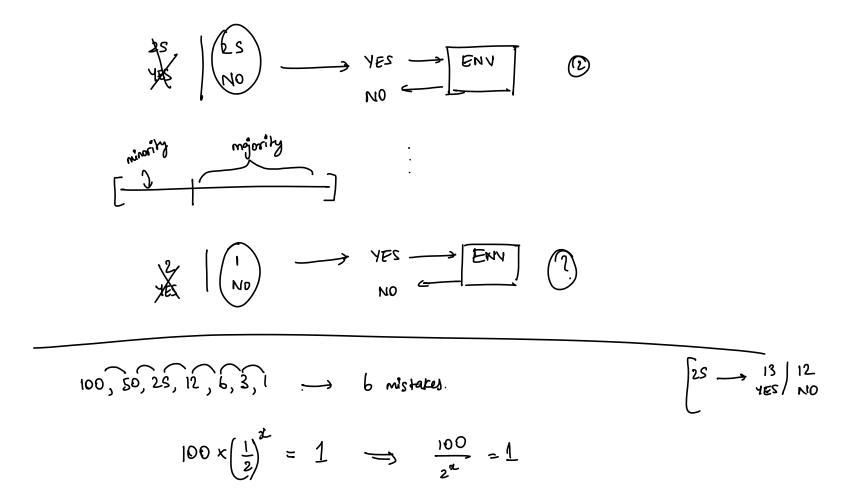
- 1) Recieve advice from a set of 'd' experts
- 1 Somehow use advice (algorithm) and make a decision
- 3 Recieve feedback from the environment (market) and somehow "learn" from it.

Majority Algorithm: Predict based on the majority from the set of 'consistent' experts

## Analysis of the MAJORITY ALGORITHM

100 expects

1 mistake -> Set of consistent experts has just 1 person -> Grulu!



$$2^{2} = 100$$

$$2 = \lceil \log_{2} 100 \rceil$$

$$= \lceil 6.64 \rceil = 7 \text{ mistaky}$$

