

Entropy

$$\text{entropy} = \sum_i (p_i) \log_2 (p_i)$$

ssff

| grade | bumpiness | speed limit? | speed |
|-------|-----------|--------------|--------|
| steep | bumpy | yes | slow - |
| steep | smooth | yes | slow - |
| flat | bumpy | no | fast - |
| steep | smooth | no | fast - |

entropy of this node?

how many slow? 2

how many examples?
total

4

