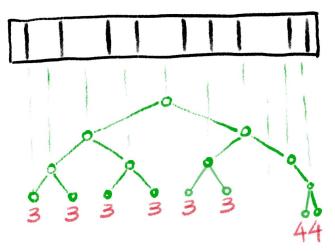
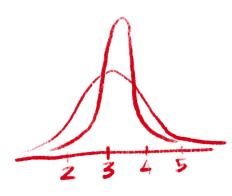


DRAW TWO RANDOM NUMBERS

CHOOSE THE ONE
WHICH LANDS
SHALLOWER
IN
THE TRIE

1





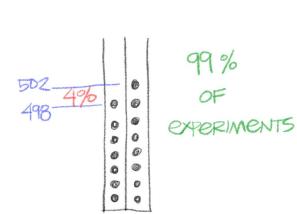
BINARY TRIE SHALLOWEST THEOREM: MEAN ~ LOGN DEVIATION ~ LOG LOGN DEEPEST-SHALLOWEST ~ LOG LOGN DEEPEST

"THE POWER OF TWO CHOICES"

# HAZARDOUS MATERIAL NEXT

PURE MATH





THEOREM:

DIFFERENCE ~ W

$$=100 \frac{\sqrt{N}}{N} \% = \frac{100}{\sqrt{N}} \% \rightarrow 0\%$$

DIFFERENCE ~ 
$$\sqrt{N}$$

$$= 100 \frac{\sqrt{N}}{N} \% = \frac{100}{\sqrt{N}} \% \rightarrow 0\%$$