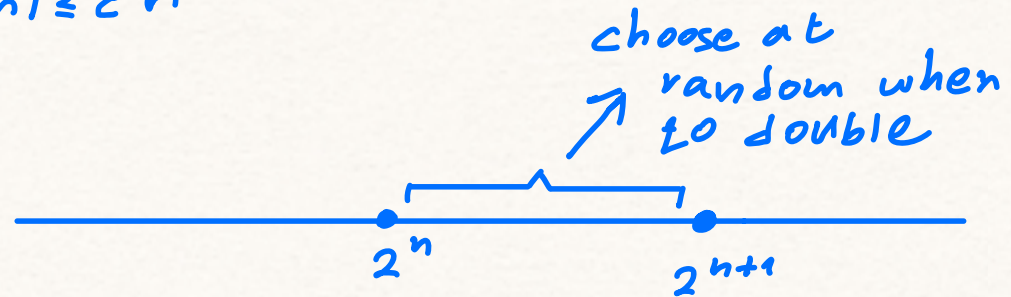# Moris: Space Efficient Algorithm

- Goal: space-efficient counter of events.
- requirement: for any number of events n, w.h.p:
  - space $= O(\log\log n)$
  - output $\tilde{n}$ s.t. $|\tilde{n} - n| \le \varepsilon n$

choose at random when to double

2^n 2^{n+1}

אולד אונשיק מכבים שווטי ליפן