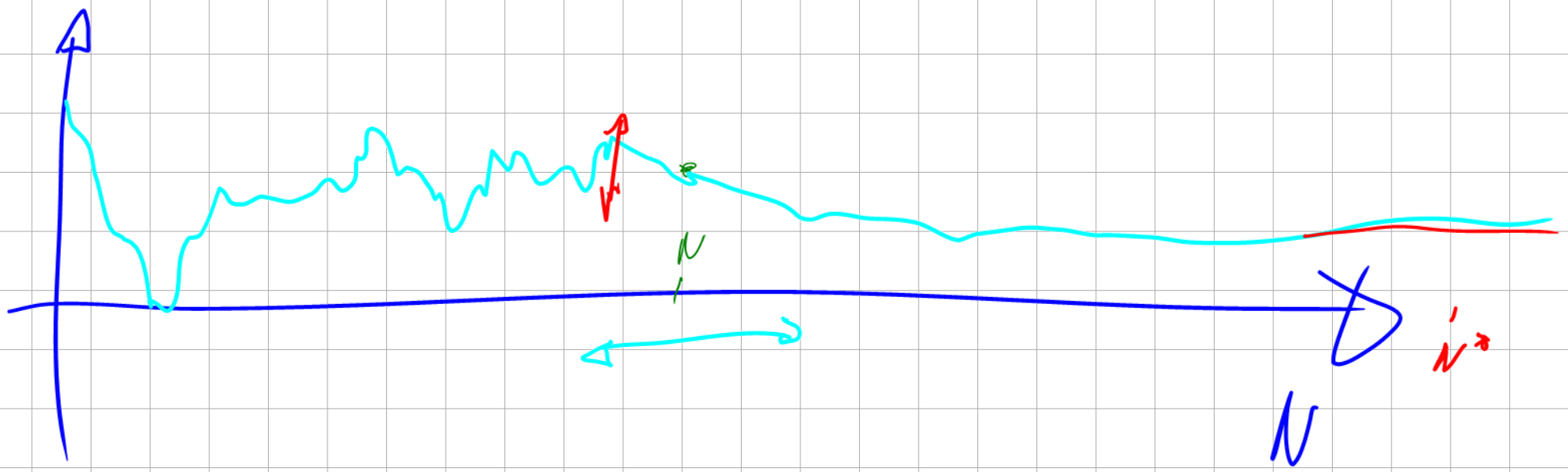
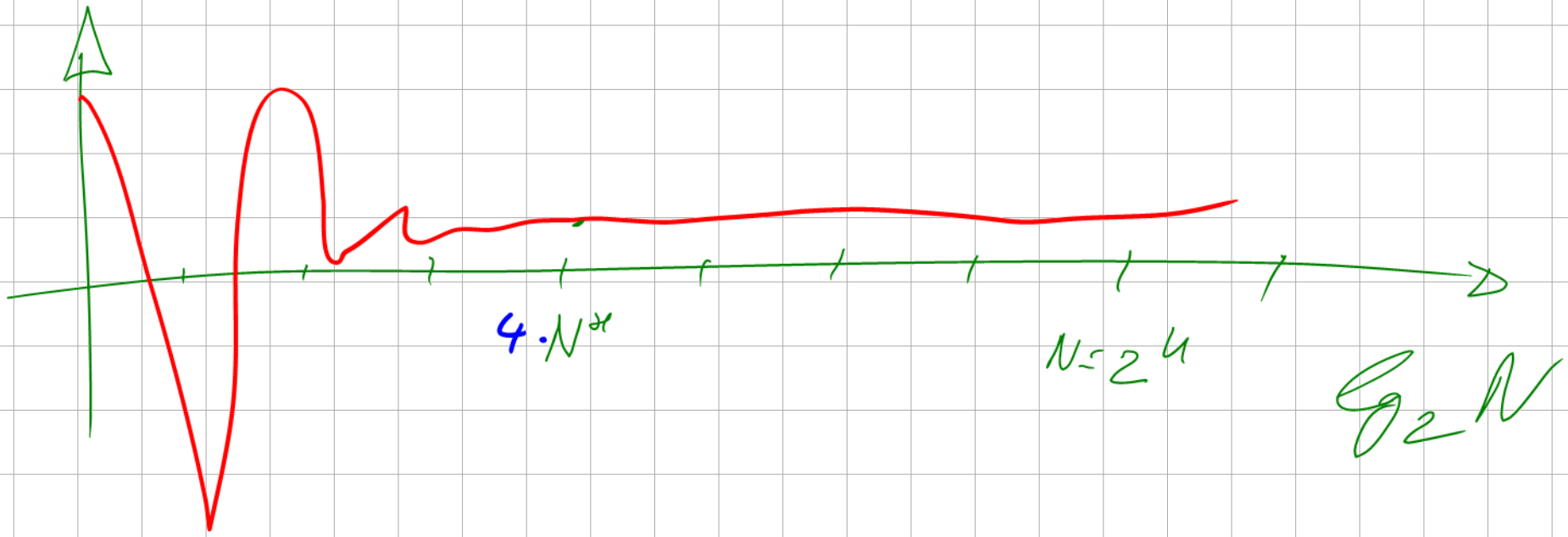
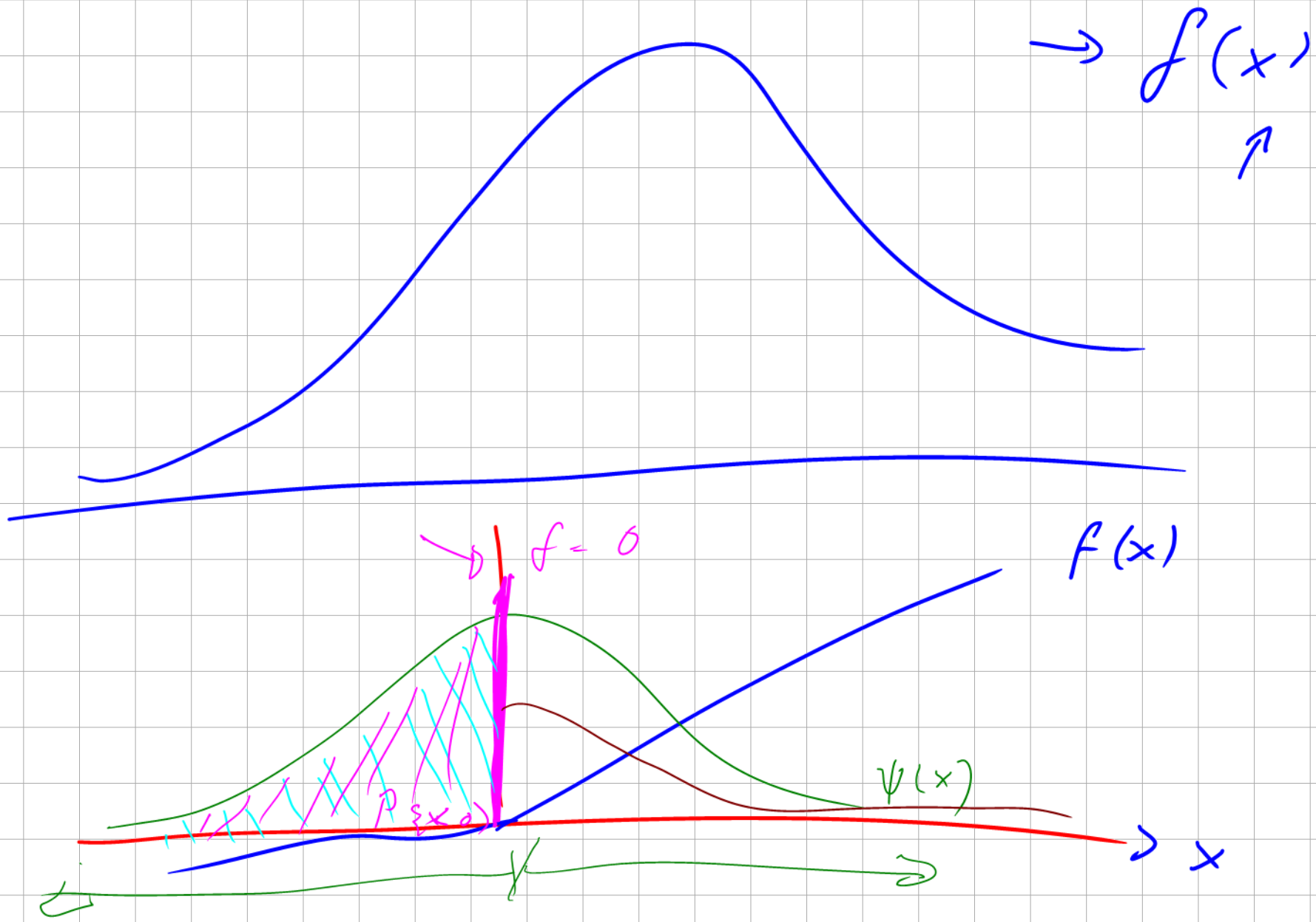

N
N*


4·N*
N=2^4
θ_2 N


f(x)
f = 0
f(x)
ψ(x)
x

1) by a number generator

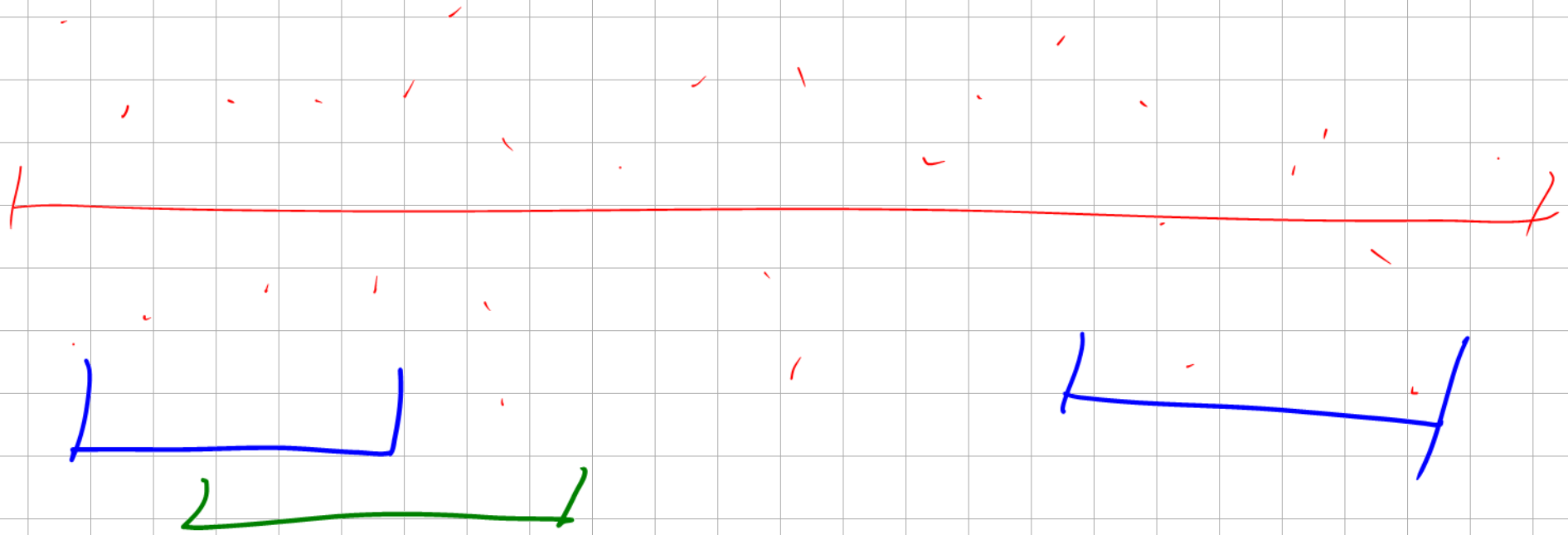
2) mathematically flawed model or product

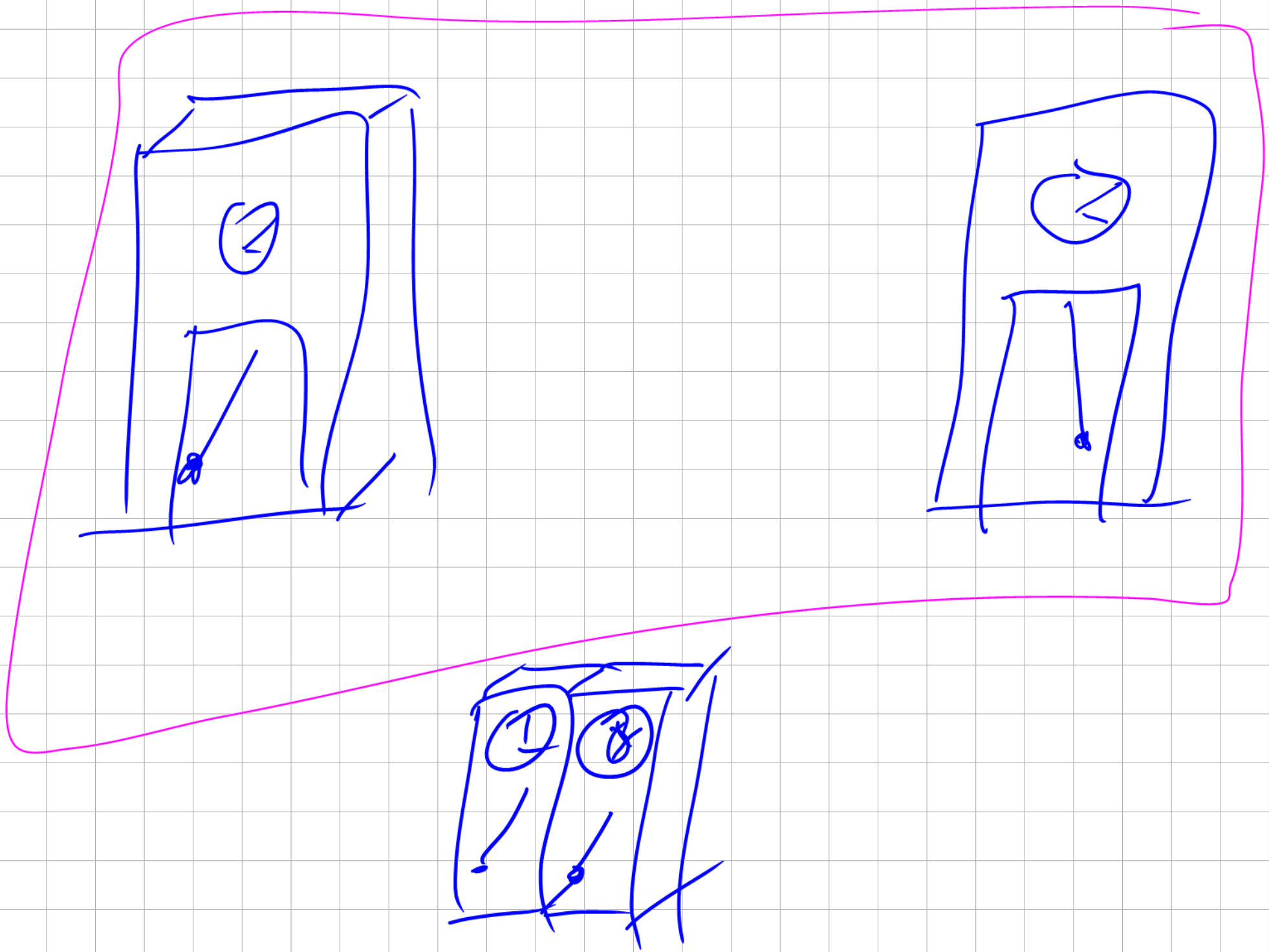
$$E[f(Y)]$$

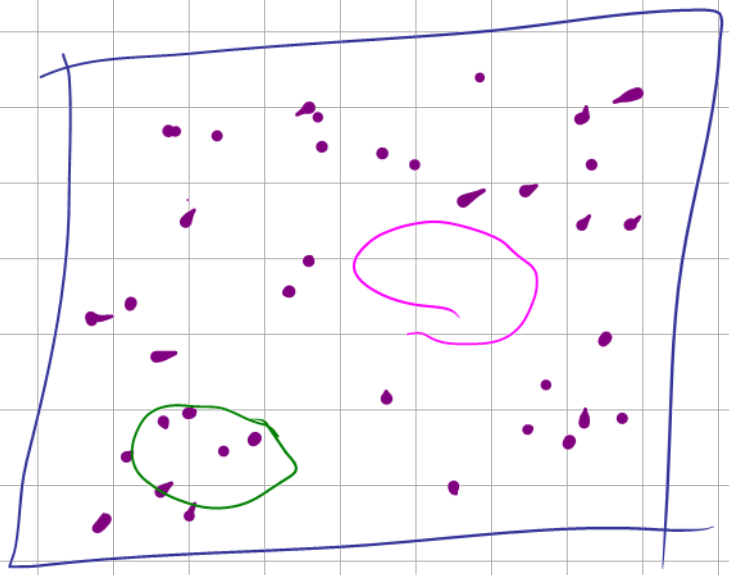
$Y$: Vanilla payoff

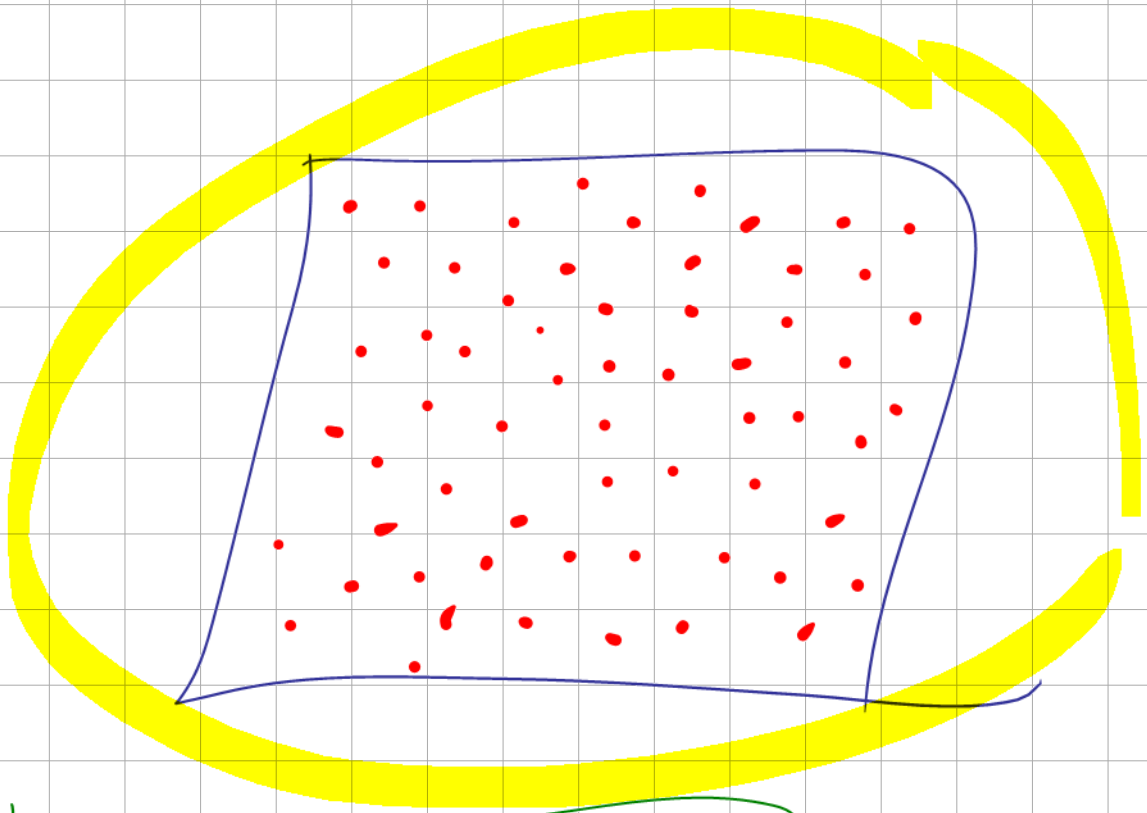
$f = 1/|Y|$

$E[f(Y)] < \infty$

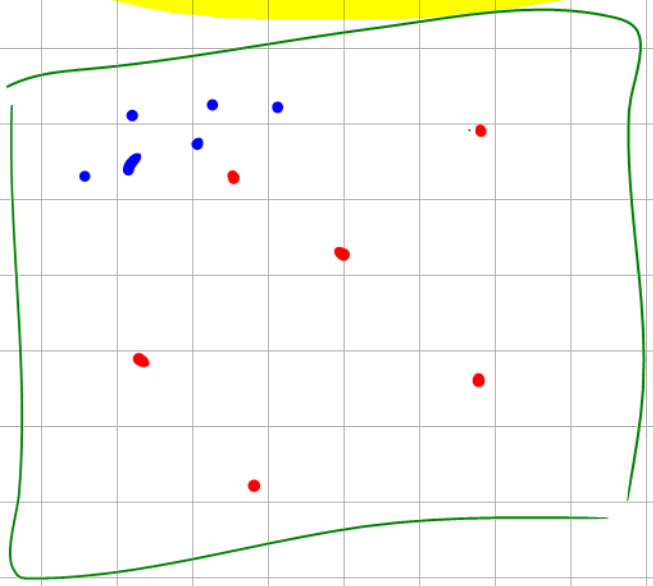








N



N


h:

for i = 1 to d

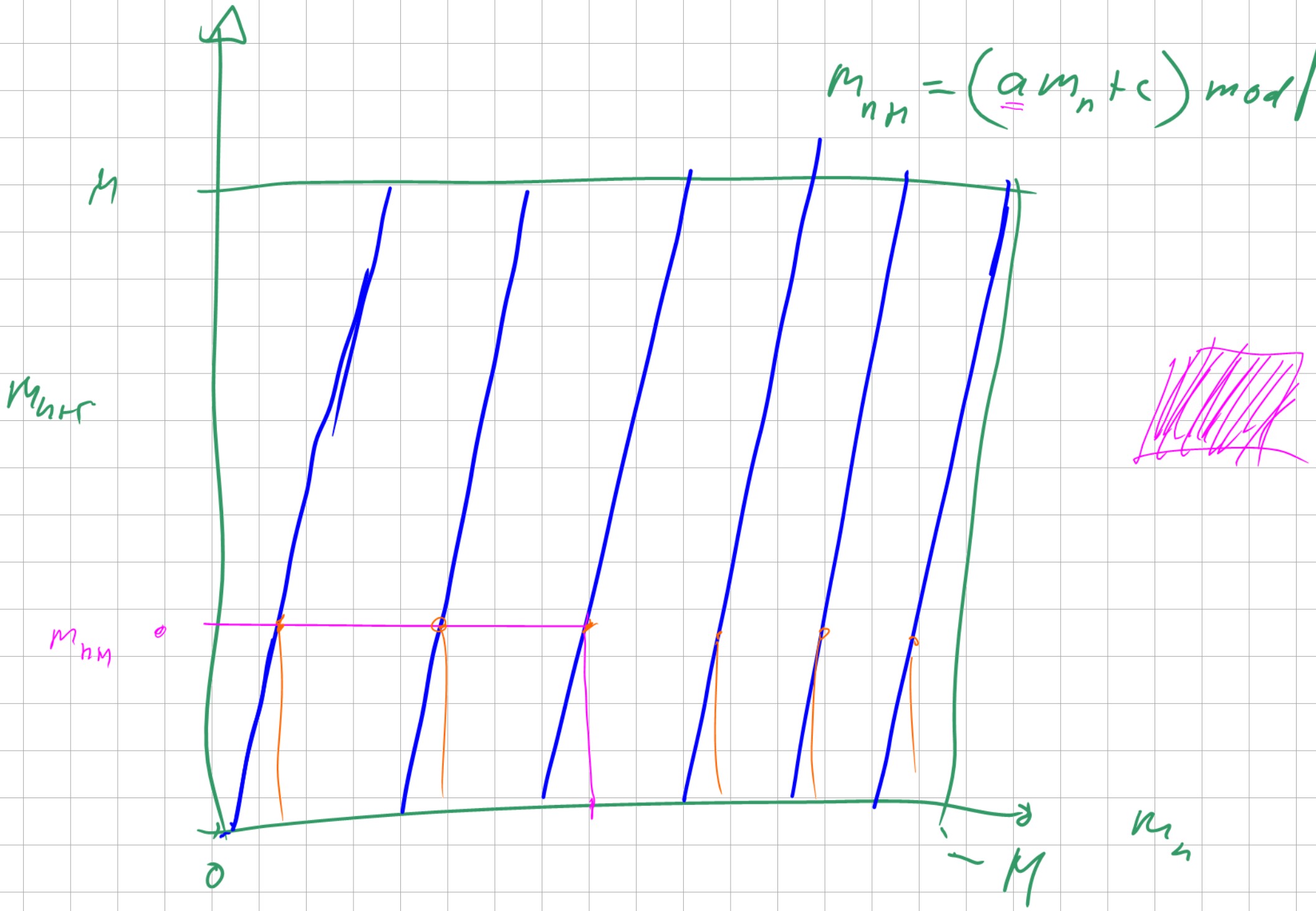
$m_i = u[h] \wedge v[i]$

o → register ax

o push ax

ax ^= ax

$m_{n+1} = (a m_n + c) \bmod M$



$\varepsilon \sim \frac{1}{\sqrt{N}}$ $10^{-3}$ Random

$\varepsilon \sim \frac{1}{N}$ $10^{-3}$ Low Discrepancy

~ 1 second

draw 12 min long, subset 6