C G G U C G G A A C U C G A U C G G U U G A A C U C U A U C

G C U          G C U A G          U A G C U C G
C G G ,        C G G U C ,        G U C G G A A ; ...

$\exp(-\Delta G / k_B T)$          $\exp(\Delta S / k_B)$

| 0.05 | 0.20 | 0.35 | 0.025 | 0.35 | 0.15 | ...

random number = 0.57

C U A U C U C A A G U U G C U A G C U C G

C G G U C G G A A