

$F_{\min} [k_B T / A]$ 

- only  $n_{\alpha'}$ ,  $\Delta G_{0\beta} = \infty$
- only  $n_{\beta'}$ ,  $\Delta G_{0\alpha} = \infty$
- $\delta\Delta G = 3 k_B T$
- $\delta\Delta G = 5 k_B T$
- $\delta\Delta G = 8 k_B T$

 $f$