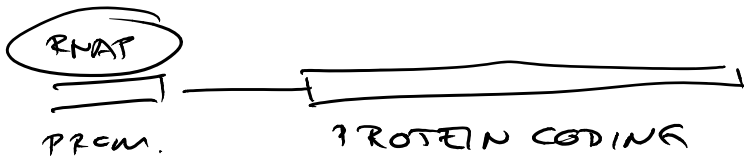
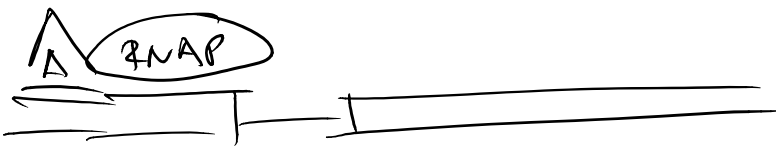


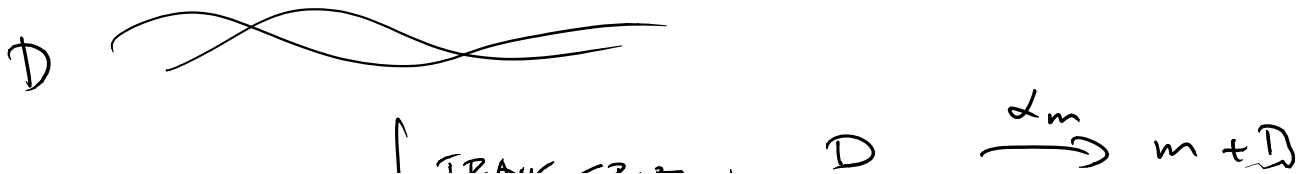
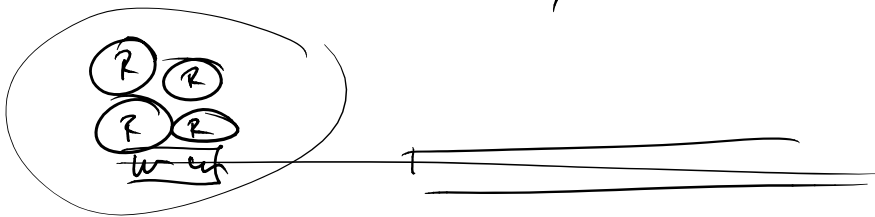
TRANSCRIPTION FACTORS

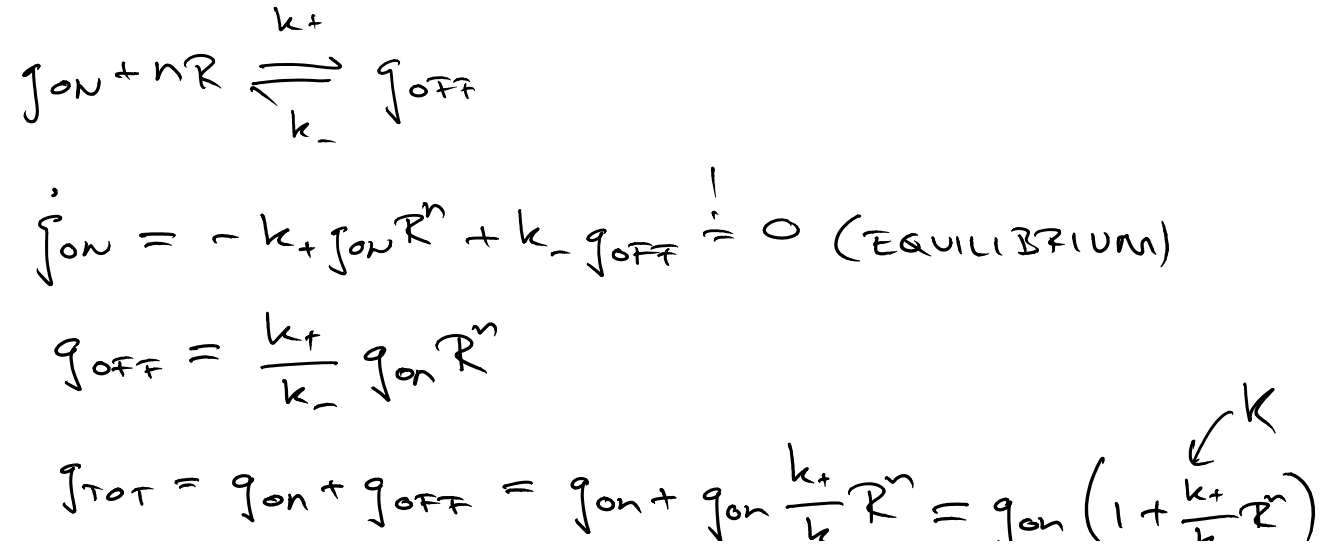
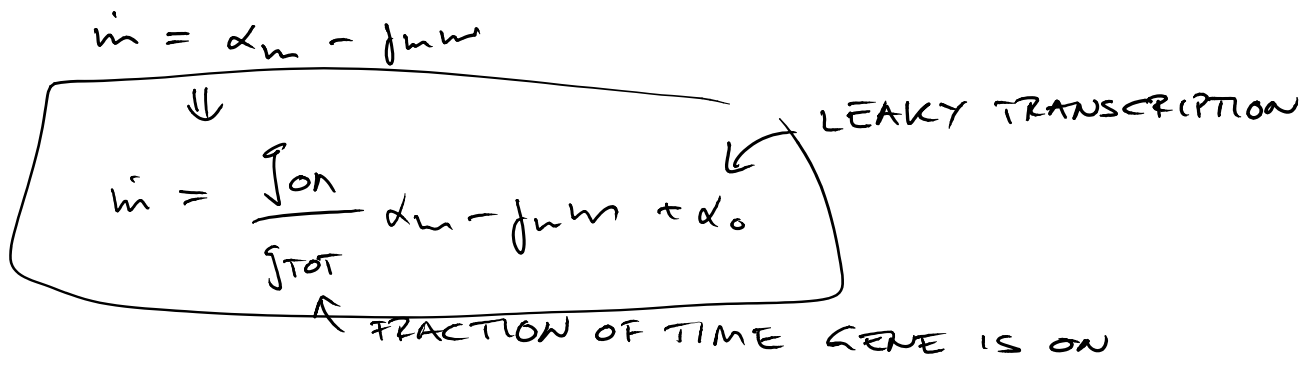
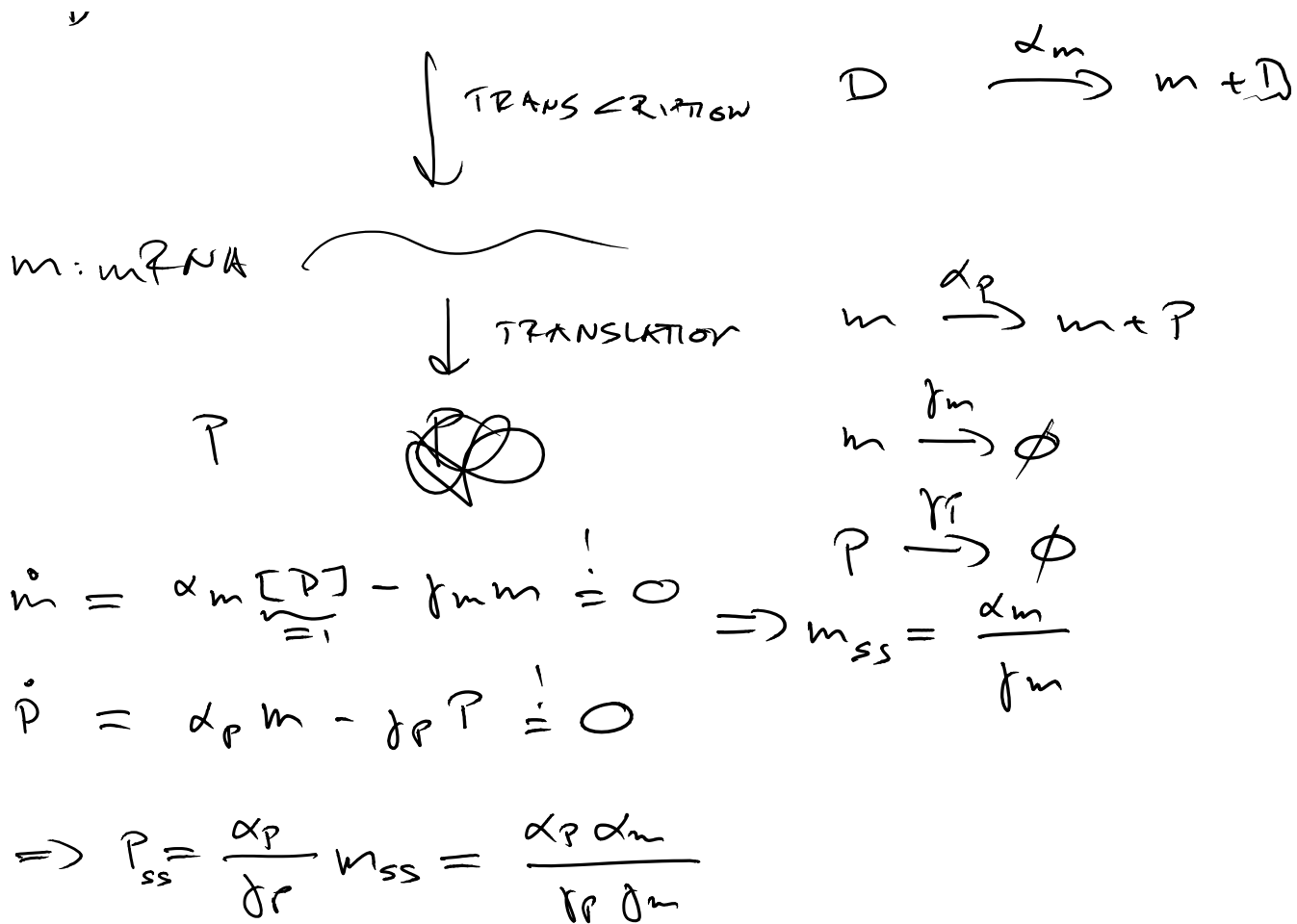


GENE ACTIVATION:



TRANSCRIPTION FACTORS OFTEN ACT COOPERATIVELY





$$J_{TOT} = j_{on} + j_{off} = j_{on} + j_{on} \frac{k_+}{k_-} R^n = j_{on} \left(1 + \frac{k_+}{k_-} R^n \right)$$

~~$$i_m = \frac{1}{1 + K R^n} \alpha_m - j_{-m} + \alpha_m$$~~



HILL FUNCTION