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$$(2) Two-state protein folding
a) Key = [W]
A-Ju A- [W]
fu Two-two [W]+(M]-(W]
Ju = [U]+(M) = [U]+(M]-(W]
= [U]
fu = [U] = [U]
= [U] = [U]
= [U] = [U]
= [U] = [U]$$

b)
$$BG_{f} = -\frac{72T \ln (Keq)}{-\frac{10}{72T}} = \frac{1-fu}{fu}$$

 $\Rightarrow Keq = e^{-\frac{10}{72T}} = \frac{1-fu}{fu}$
 $\Rightarrow \int_{u} (1+e^{-\frac{56f}{72T}}) = 1$
 $\Rightarrow \int_{u} = \frac{1}{1+e^{-\frac{56f}{72T}}}$

for get the some result if you consider the two state system, w/ Guufolded = G and OGF = Gfolded - Guufolded The fraction model is equal to The probability of being unfolded k = p = z2-Gifer the Where Z= Z Q i=states portific funchar. See we tleb script for the plotting routine. 5 0 1 2 3 4 [GdnHCI] (M)

