25,03.04 Reward Model (Usually a Small anguage model)

To (X, Y)

prompt

Pesponse X SFT 3 1, > 1/2 5 1/3 > 1/6 $max = \frac{1}{2} \log \left[\frac{exp(r_0(x, y_w))}{exp(r_0(x, y_w)) + exp(r_0(x, y_w))} \right]$ MLE, Winning Losing New Model response response For DPO: Reward Modeling with Po(x,y)= log [psfr(yh)] SFT Model