Legislator a votes 'Yea' on bill b with probability



$p(v_{a,b} = \text{Yea}) = \Phi(u_a x_b -$	$+y_b)$

Polarity of bill b

Popularity of bill b





YEA	NAY	NAY	YEA
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NAY YEA YEA



YEA YEA NAY