## Counts to plausibility

Unglamorous basis of applied probability: Things that can happen more ways are more plausible.

Possibility		Ways to produce <b>OO</b>
[0000]	0%	$0 \times 4 \times 0 = 0$
[OOOO]	25%	$1 \times 3 \times 1 = 3$
	50%	$2 \times 2 \times 2 = 8$
	75%	
	100%	