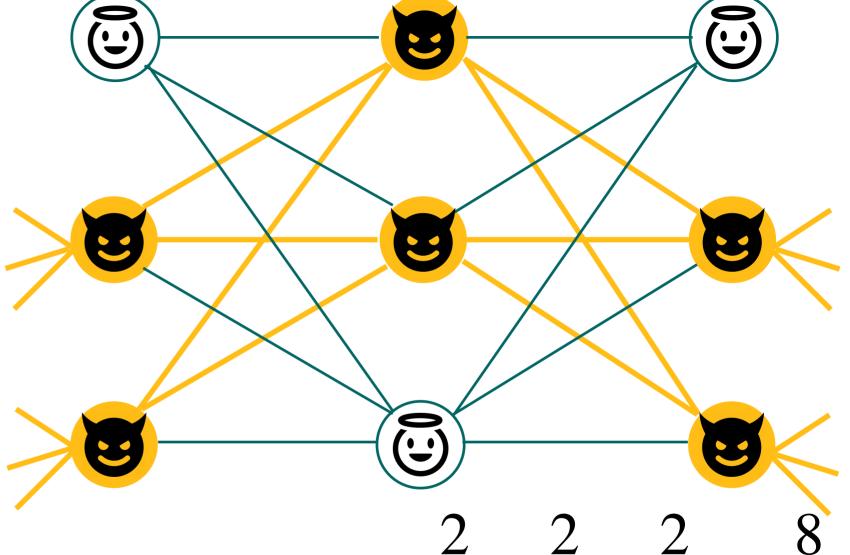


Uneven distribution:
$$\frac{2}{3} \times 1 \times \frac{1}{3} = \frac{6}{27}$$



Even distribution:
$$\frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} = \frac{8}{2}$$