$k!$ vertices of degree k
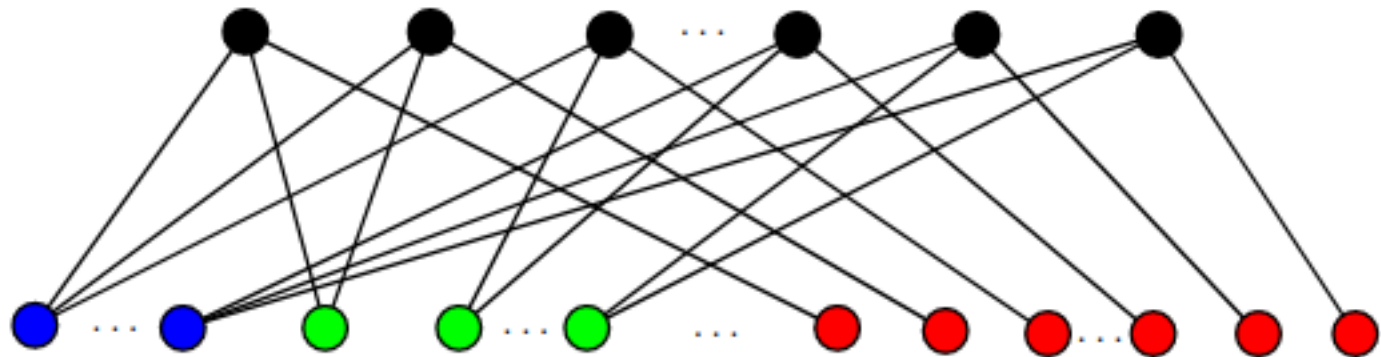
$\frac{k!}{k}$ vertices of degree k $\frac{k!}{k-1}$ vertices of degree $k-1$ $\ldots$ $k!$ vertices of degree 1