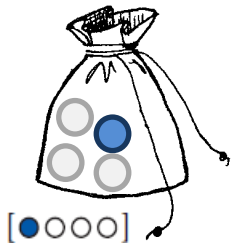


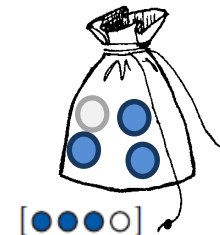
Counting possibilities

Evidence (i.e. data):

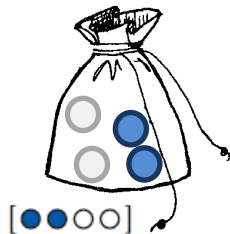
Draw 3 marbles from the bag (with replacement)



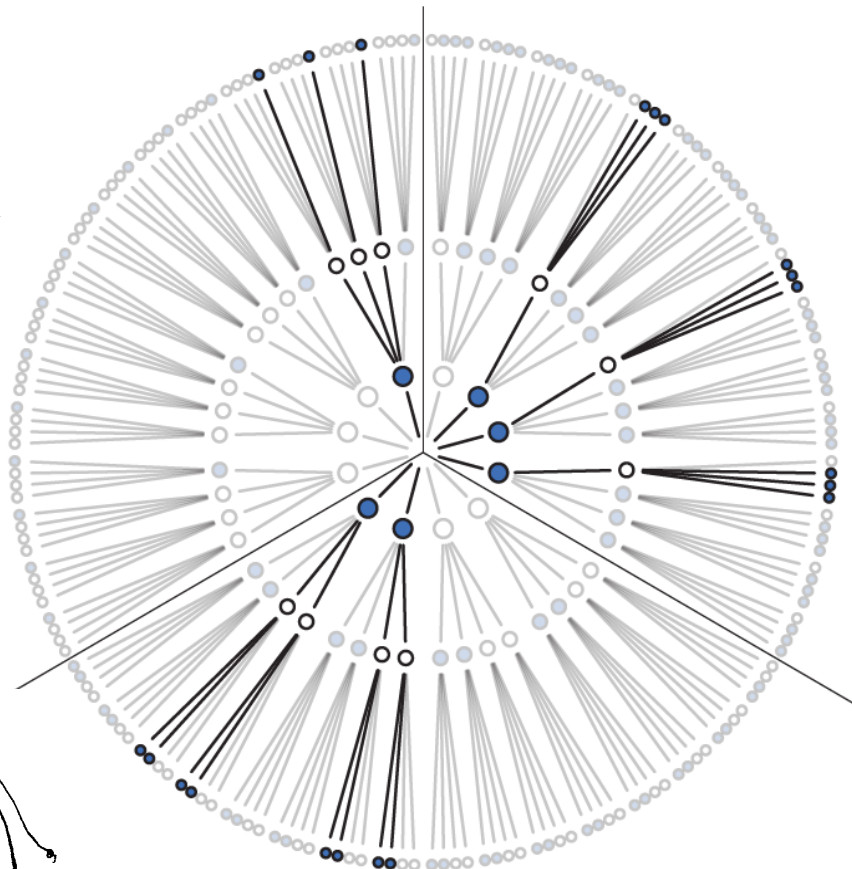
3 paths



9 paths



8 paths



Conjecture	Ways to produce ●○○●
[○○○○]	$0 \times 4 \times 0 = 0$
[●○○○]	$1 \times 3 \times 1 = 3$
[●●○○]	$2 \times 2 \times 2 = 8$
[●●●○]	$3 \times 1 \times 3 = 9$
[●●●●]	$4 \times 0 \times 4 = 0$