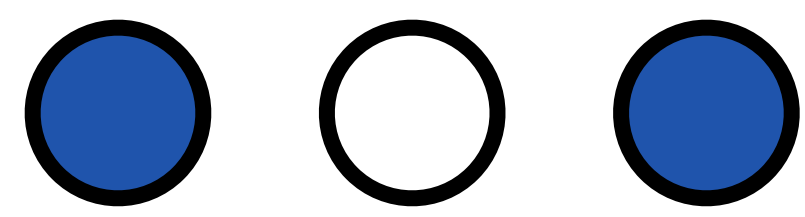
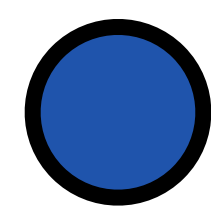


What if we draw another blue ball?

Prior data:



New observation:

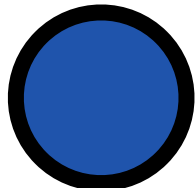
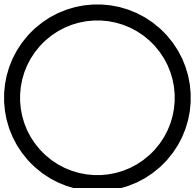
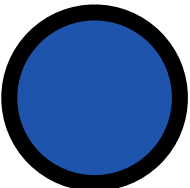


Conjecture	Ways to produce ●	Previous counts	New count
[○○○○○]	0	0	$0 \times 0 = 0$
[●○○○○]	1	3	$3 \times 1 = 3$
[●●○○○]	2	8	$8 \times 2 = 16$
[●●●○○]	3	9	$9 \times 3 = 27$
[●●●●○]	4	0	$0 \times 4 = 0$

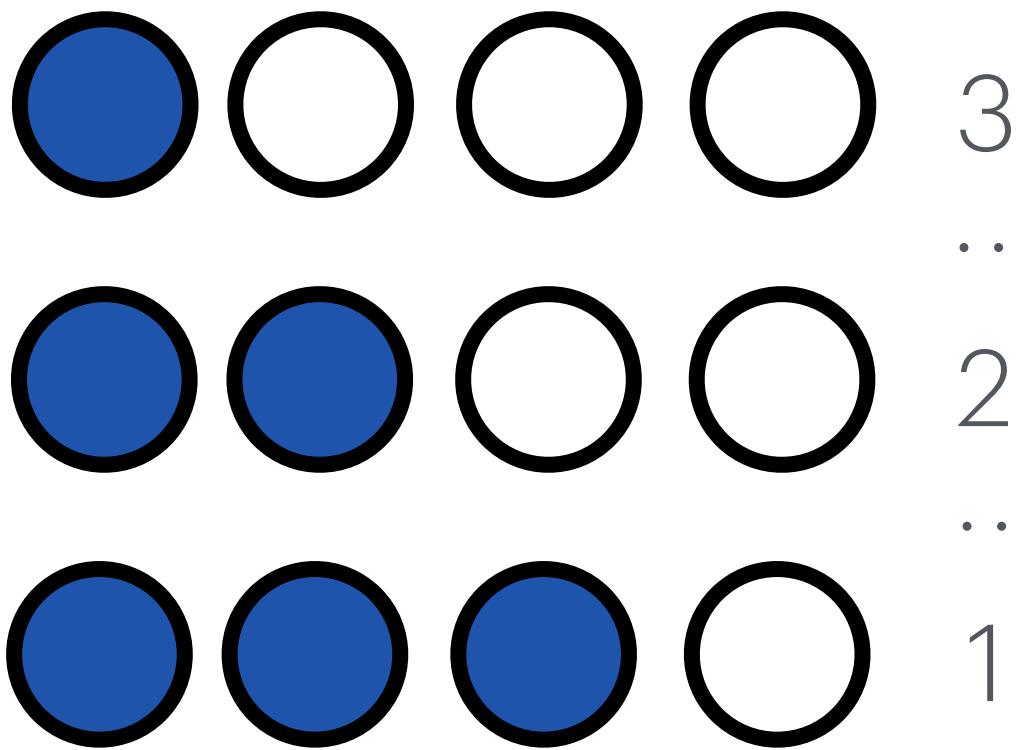
New plausibilities is the product of the number of ways to produce the data under the conjectures























What if we get some information from the urn factory?

Our urn

Data:   

Proportions of urns
from the factory:



Conjecture	   Prior count	Factory count	New count
[   ]	0	0	$0 \times 0 = 0$
[   ]	3	3	$3 \times 3 = 9$
[   ]	16	2	$16 \times 2 = 32$
[   ]	27	1	$27 \times 1 = 27$
[   ]	0	0	$0 \times 0 = 0$

New plausibilities is the product of the number of ways to produce the data under the conjectures by the prior information from the factory