

Example:

A company makes dolls in wrapped boxes.

The dolls have these attributes:

60% Female, 40% Male

50% Green shirt, 30% Yellow shirt, 20% Red shirt

90% Blue pants, 10% Black pants

Matrix [A] - Input

0.6	0.5	0.9
0.4	0.3	0.1
0	0.2	0

Matrix [B] - Output

1	1	1	0.27
1	1	2	0.03
1	2	1	0.162
1	2	2	0.018
1	3	1	0.108
1	3	2	0.012
2	1	1	0.18
2	1	2	0.02
2	2	1	0.108
2	2	2	0.012
2	3	1	0.072
2	3	2	0.008

Row 1 shows the most likely outcome
(Female, Green Shirt, Blue Pants 27%)

Row 12 shows the least likely outcome
(Male, Red Shirt, Black Pants 0.8%)

12 total rows = 12 possible combinations