

Example Problem

	A	B	C	D	E	F	G	H	I	J
1		J1	J2							
2	red	6	4							
3	green	10	6							
4										
5	total	16	10							
6										
7										
8		First action				Regular probabilities			Conditional Probabilities	
9										
10			red	0.375		P(J1 and red)	0.28125		P(J1   r)	0.737704918
11	J1	0.75	green	0.625		P(J1 and green)	0.46875		P(J2   r)	0.262295082
12										
13										
14									P(J1   g)	0.757575758
15			red	0.4		P(J2 and red)	0.1			
16	J2	0.25	green	0.6		P(J2 and green)	0.15		P(J2   g)	0.242424242
17										
18										
19						P(r)	0.38125			
20										
21						P(g)	0.61875			

Example formulas

	A	B	C	D	E	F	G	H	I	J
1		J1	J2							
2	red	6	6							
3	green	10	4							
4										
5	total	=B2+B3	=C2+C3							
6										
7										
8		First action				Regular probabilities			Conditional Probabilities	
9										
10			red	=B2/B5		P(J1 and red)	=B11*D10		P(J1   r)	=G10/G19
11	J1	0.75								
12			green	=B3/B5		P(J1 and green)	=B11*D12		P(J2   r)	=G15/G19
13										
14									P(J1   g)	=G12/G21
15			red	=C2/C5		P(J2 and red)	=B16*D15			
16	J2	0.25							P(J2   g)	=G17/G21
17			green	=C3/C5		P(J2 and green)	=B16*D17			
18										
19						P(r)	=G10+G15			
20										
21						P(g)	=G12+G17			