|  |  |  |  |
| --- | --- | --- | --- |
| **Spin 1** | **Spin 2** | **X** | **P(X)** |
| 1 | 1 | 2 | 0.25 \* 0.25 = **0.0625** |
| 1 | 2 | 3 | 0.25 \* 0.75 = **0.1875** |
| 2 | 1 | 3 | 0.75 \* 0.25 = **0.1875** |
| 2 | 2 | 4 | 0.75 \* 0.75 = **0.5625** |

the probability distribution for the random variable X:

|  |  |
| --- | --- |
| **X** | **P(X)** |
| 2 | 0.0625 |
| 3 | 0.375 |
| 4 | 0.5625 |