

Here is the number of solutions for each puzzle starting missing peg. For example if the first missing peg were in position number one. There would be 29760 total solutions which could end in any position. Of those 6816 end up in the first peg. This is 22.9% will end up in the starting missing peg.

Peg start	Any peg	Start peg	Percent
1	29760	6816	22.90
2	14880	720	4.84
3	14880	720	4.84
4	85258	51452	60.35
5	1550	0	0.00
6	85258	51452	60.35
7	14880	720	4.84
8	1550	0	0.00
9	1550	0	0.00
10	14880	720	4.84
11	29760	6816	22.90
12	14880	720	4.84
13	85258	51452	60.35
14	14880	720	4.84
15	29760	6816	22.90
TOTAL	438984	179124	40.80