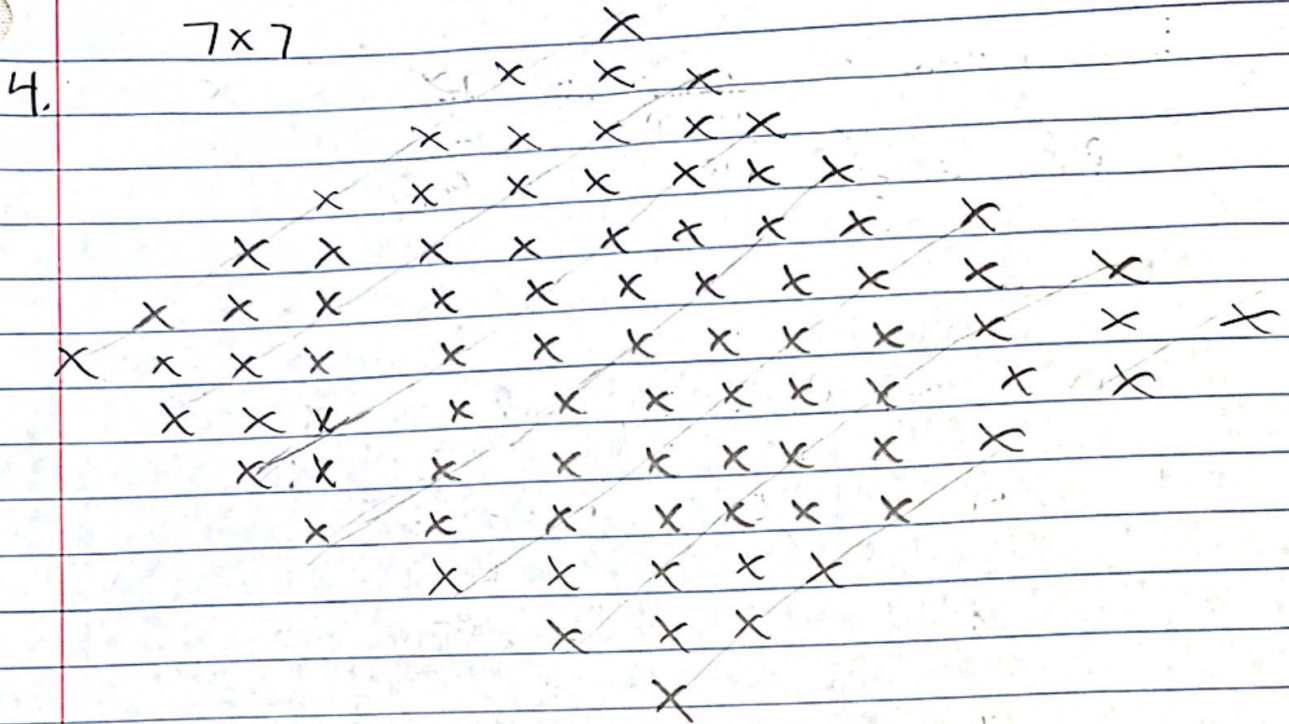


$$\frac{7(7^2+1)}{2} = 175$$



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	4	35	10	41	16	47	22								
5	29	11	42	17	48	23	5	29							
6	12	36	18	49	24	6	30		36						
7	13	43	19	37	25	13	31	7	37		43				
14	20	44	26	1	32	14	38		44						
2	45	27	2	33	8	39	2	45							
27	28	3	34	9	40	15	46								
		35	41	47											
		42	48												
			49												

7x7 magic square

5. Person A: 1 3 5 7

Person B	2	B	A	A	A
	4	B	B	A	A
	6	B	B	B	A

Both have an equal chance to win so it's a 50/50.

6. 4 9 2 → Deck A
 3 5 7 → Deck B
 8 1 6 → Deck C

	4	9	2	
3	A	A	B	A vs B, B wins
5	B	A	B	
7	B	A	B	

	8	1	6	
3	C	B	C	B vs C, C wins
5	C	B	C	
7	C	B	B	

	4	9	2	
8	C	A	C	A vs C, A wins
1	A	A	A	
6	C	A	C	

• This is a sucker's paradox because there is no top deck so B beats A but A beats C but C beats B, thus the Sucker's paradox.