

4	35	10	41	16	47	22
29	11	42	17	48	23	5
12	36	18	49	24	6	30
37	19	43	25	7	31	13
20	44	26	1	32	14	38
45	27	2	33	8	39	21
28	3	34	9	40	15	46

7 by 7 magic square

⑤

A	1	3	5	7
B	2	4	6	
2	B	A	A	A
4	B	B	A	A
6	B	B	B	A

$$P(A) = 6/12$$

$$P(B) = 6/12$$

Neither player is more likely to win, they both have 1/2 probability of winning

⑥

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

2	9	4
7	5	3
6	1	8

A	2	9	4
B			
7	B	A	B
5	B	A	B
3	B	A	A

$$P(A) = 4/9$$

$$P(B) = 5/9$$

B is more likely to win when its A vs B $B > A$

B	7	5	3
C			
6	B	C	C
1	B	B	B
8	C	C	C

$$P(B) = 4/9$$

$$P(C) = 5/9$$

C is more likely to win when its B vs C $C > B$

A	2	9	4
C			
6	C	A	C
1	A	A	A
8	C	A	C

$$P(A) = 5/9$$

$$P(C) = 4/9$$

A is more likely to win when its A vs C $A > C$

Yes it does constitute a sucker's paradox because whatever Deck the sucker chooses, you can always find a deck with a higher probability of winning

$$A < B < C < A$$