

$$p(\text{恰取兩次}) = \frac{C_2^{52} * 1}{52 * 51} \text{ 因為只有(2,1)一種故只乘1}$$

$$p(\text{恰取3次}) = \frac{C_3^{52} * 2}{52 * 51 * 50} \text{ 因為抽(1,2,3)只有(2,3,1)和(1,3,2)符合故乘2}$$

$$p(\text{恰取3次}) = \frac{C_4^{52} * 3}{52 * 51 * 50 * 49} \text{ 因為抽(1,2,3,4)只有(1,2,4,3)和(1,3,4,2), (2,3,4,1)符合故乘3}$$

$$A: 1 - p(\text{恰取兩次}) - p(\text{恰取 3 次}) - p(\text{恰取 4 次}) = 1/24$$