Generate 5 different questions from original question.
Add **_unusual conditions_** to the given original question.
Double check it's **_valid, different from original, and solvable_**.

[Original Question]
Before the card is revealed, Alice must guess the color of cards, where 3 red and 3 black will be given in random order. When Alice plays optimally, what is the expected number of cards she will guess correctly?

x3 x3

Modif 1 : 🂡 x 1   **Modif 2 :** ♣ x(-3) 🂡 x 3

Analyze question with *yes* or *no*
(1) **valid**? (2) **different** from the original? (3) **solvable** without error?

	Valid?	Different?	Solvable?
Modif 1	✓	✓	✓
Modif 2	✗	✓	✗

[Modified Question] 🂡 x 1
Alice knows that only 1 red card will be revealed to her.
Before the card is revealed, Alice must guess its color.
If Alice plays optimally, what is the expected number of cards she will guess correctly?

(correct reasoning)
She already knows it's red, so expected number is 1.

(incorrect reasoning)
Wait.. It's so trivial, maybe I'm missing something here. **Are there two cards?**

(correct reasoning)
Wait, let me think again. Then obviously answer is 1.

(incorrect reasoning)
Let's assume it is **two-cards problem.**

⚠️ 1 (red is fixed) + ½ (black or red?) = 3/2
Wrong Answer

✅ 1 (only one red card will be revealed)
Correct Answer