

What is your SAGE username (ex. s1234_50)?

What is your SAGE Username (used to login to dev.cu-sage.org)?

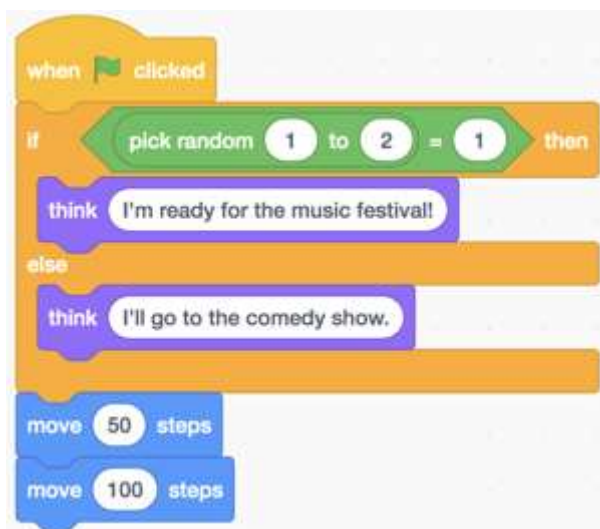
Question 1

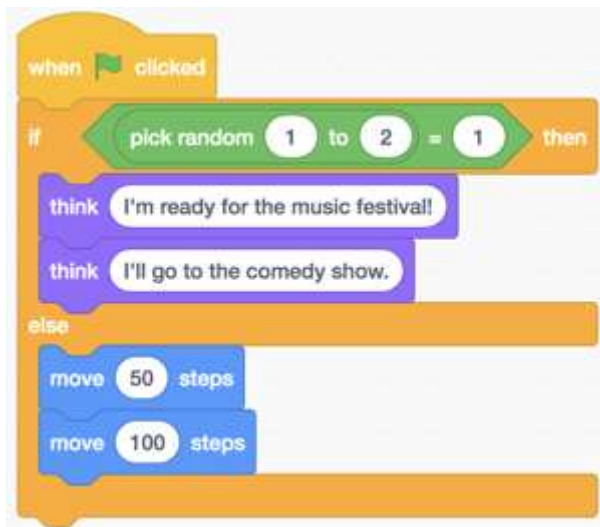
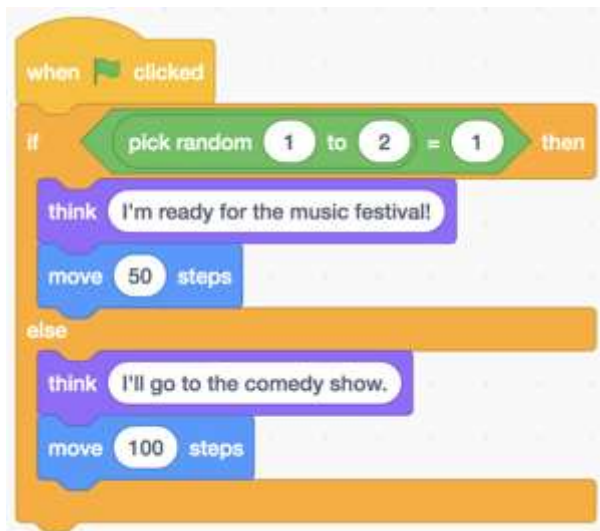
1. Amanda will only give a presentation if she has more than 6 pages of Powerpoint ready. So she works on the Powerpoint with her colleagues. If she has finished 7 pages of Powerpoint, which of the following is the outcome?

- ☐ Amanda gives the presentation.
- ☐ Amanda does not give the presentation.
- ☐ The chances of Amanda presenting and not presenting are equal.
- ☐ We do not have enough information to predict if Amanda presents.

Question 2

2. You want to go to a music festival and a comedy show but they both start now. To decide, you randomly pick 1 or 2. If you select 1, you select the music festival and walk 50 steps to arrive at the venue. Else, you go to the comedy show and walk 100 steps in its direction.



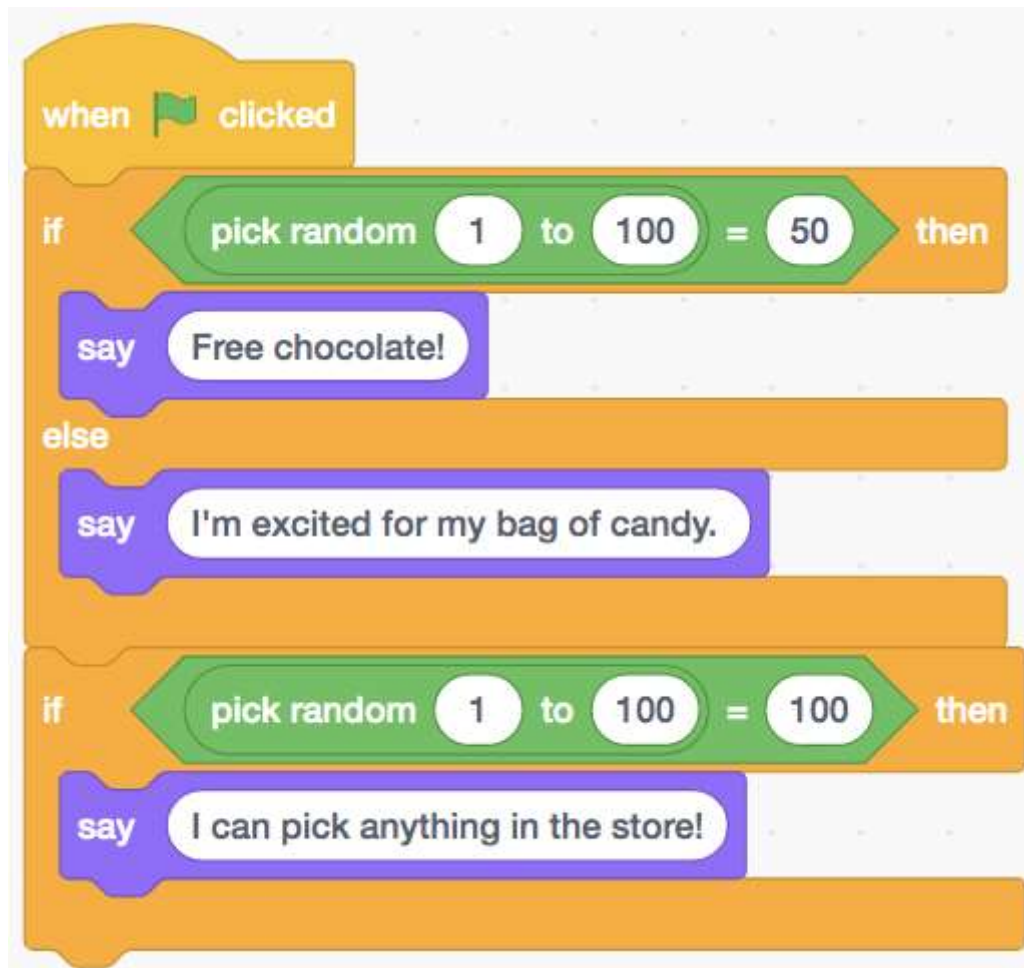


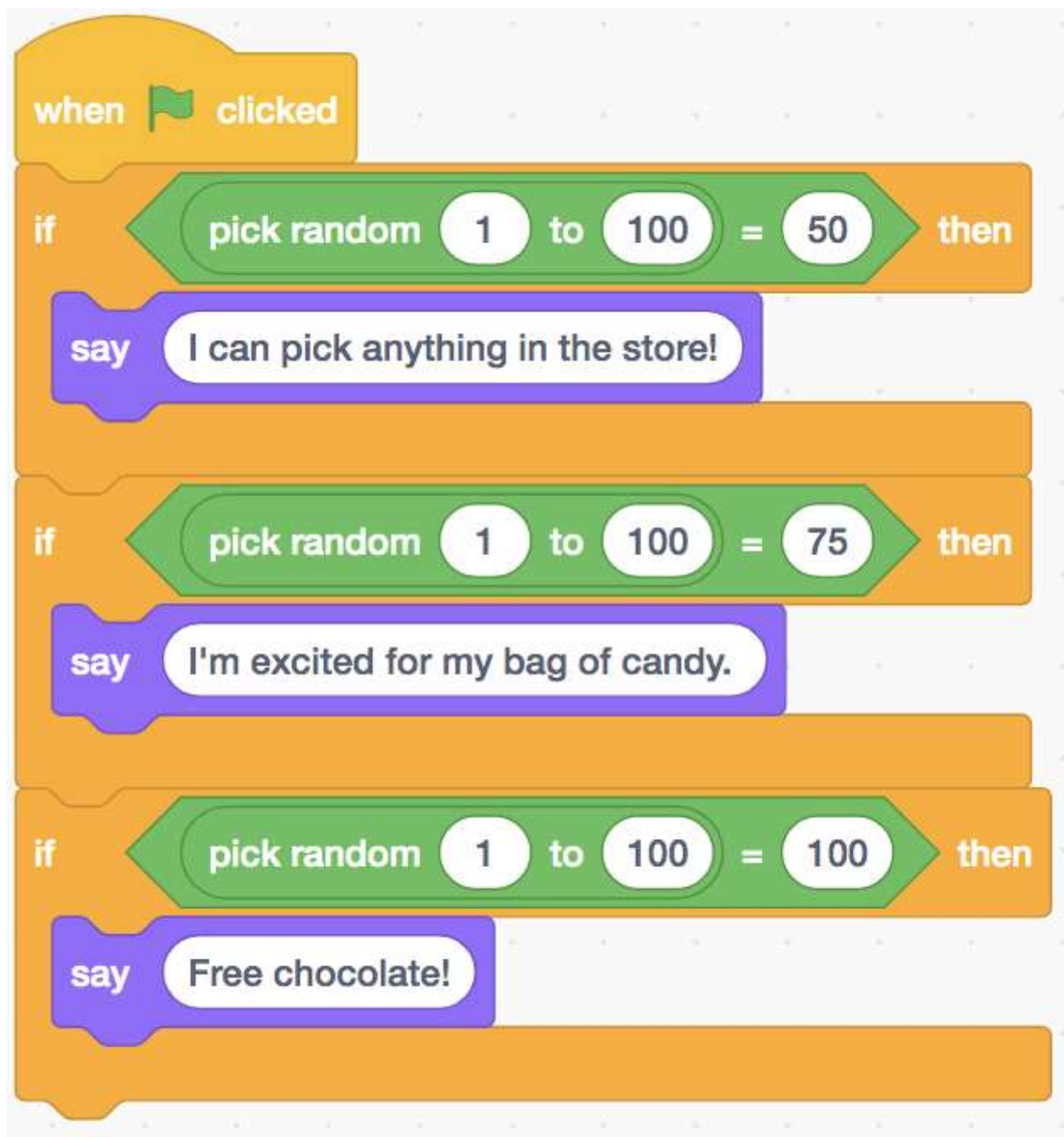
Question 3

3. Anna is at a candy store where there are three jars with 50, 75, and 100 pieces of candy in each. Customers can guess the number of candies for prizes. If Anna accurately

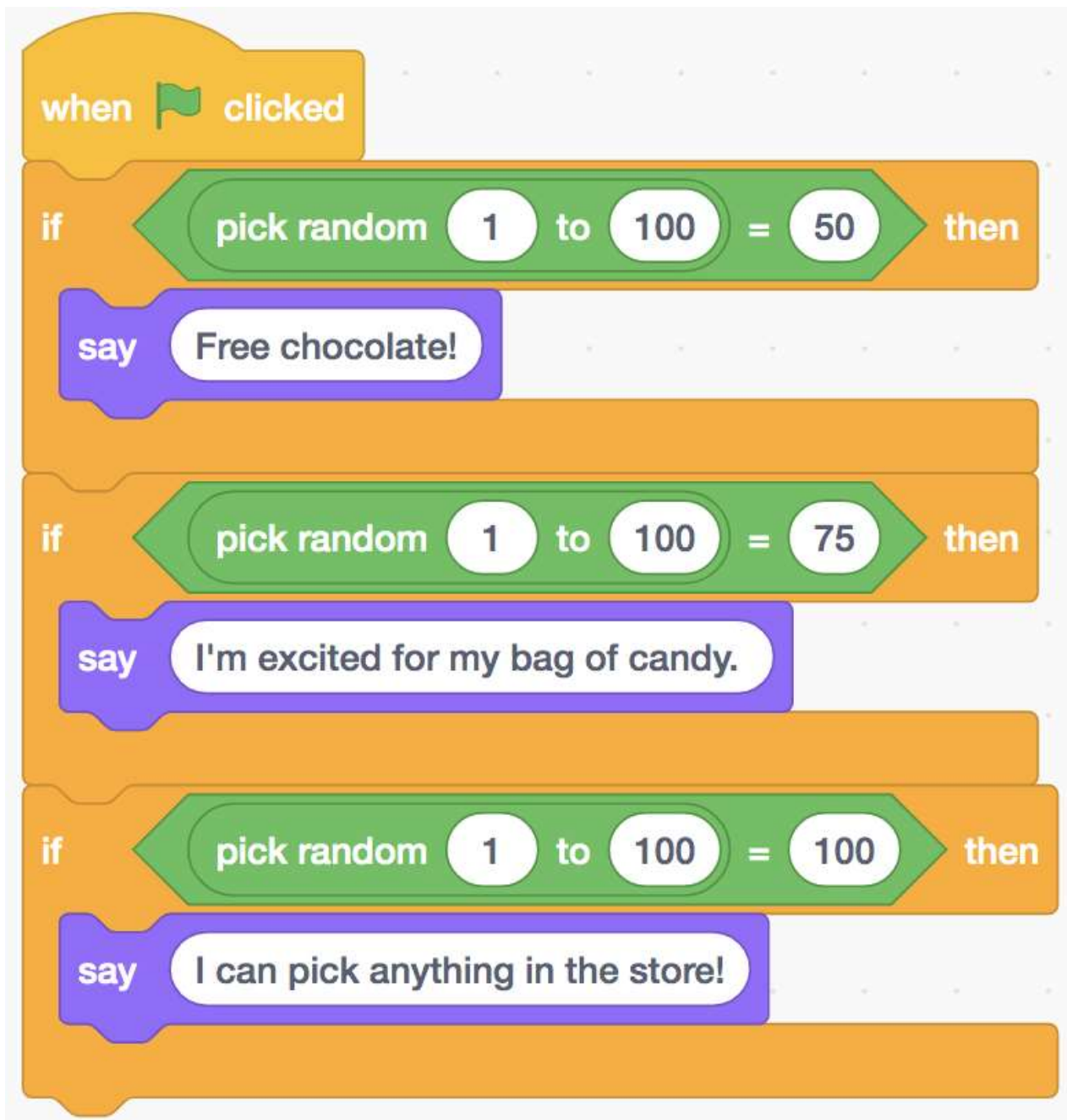
guesses the number of candies in the first jar, she gets a free chocolate bar. If she picks the right number in the second one, she gets a free bag of candy. If she guesses the third one correctly, she gets any item in the store for free. Based on the results, it is possible that she gets nothing or all three. Which of the following tells this story most accurately?

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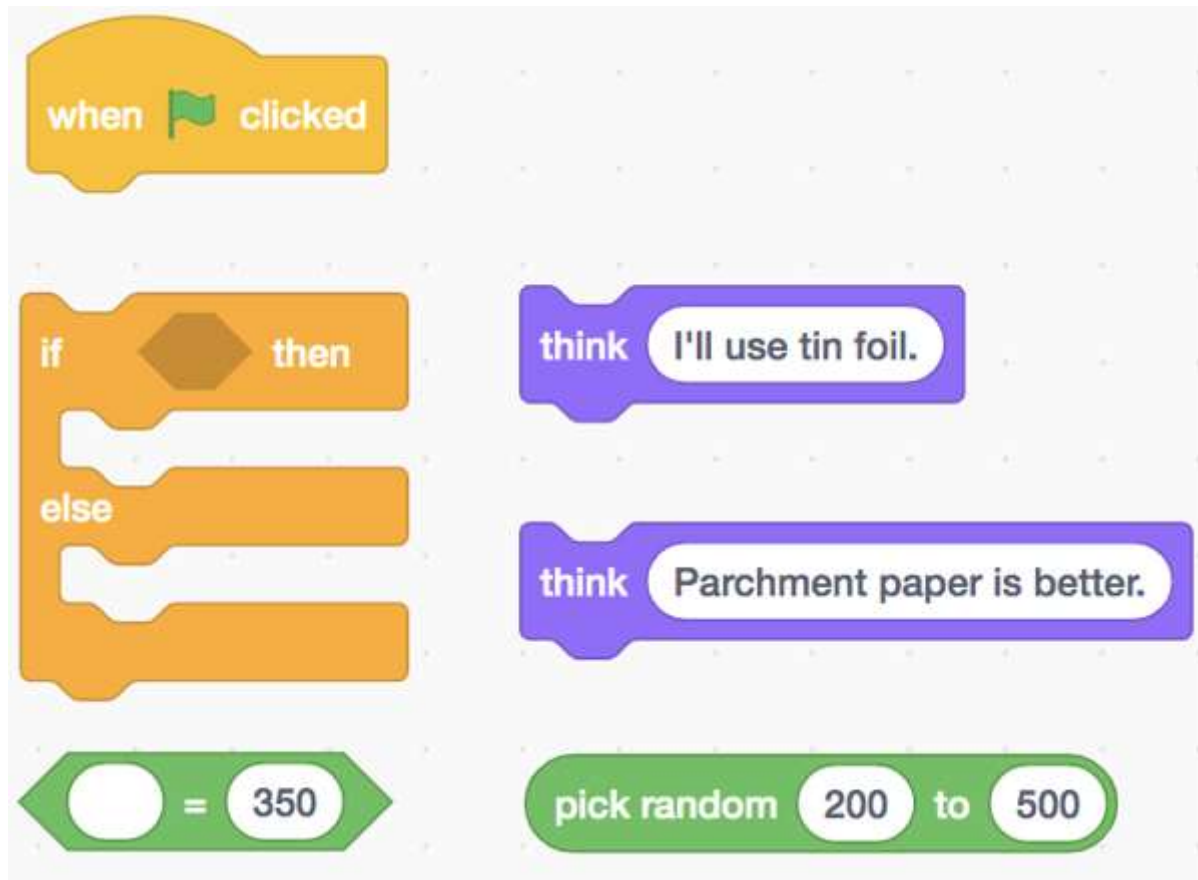


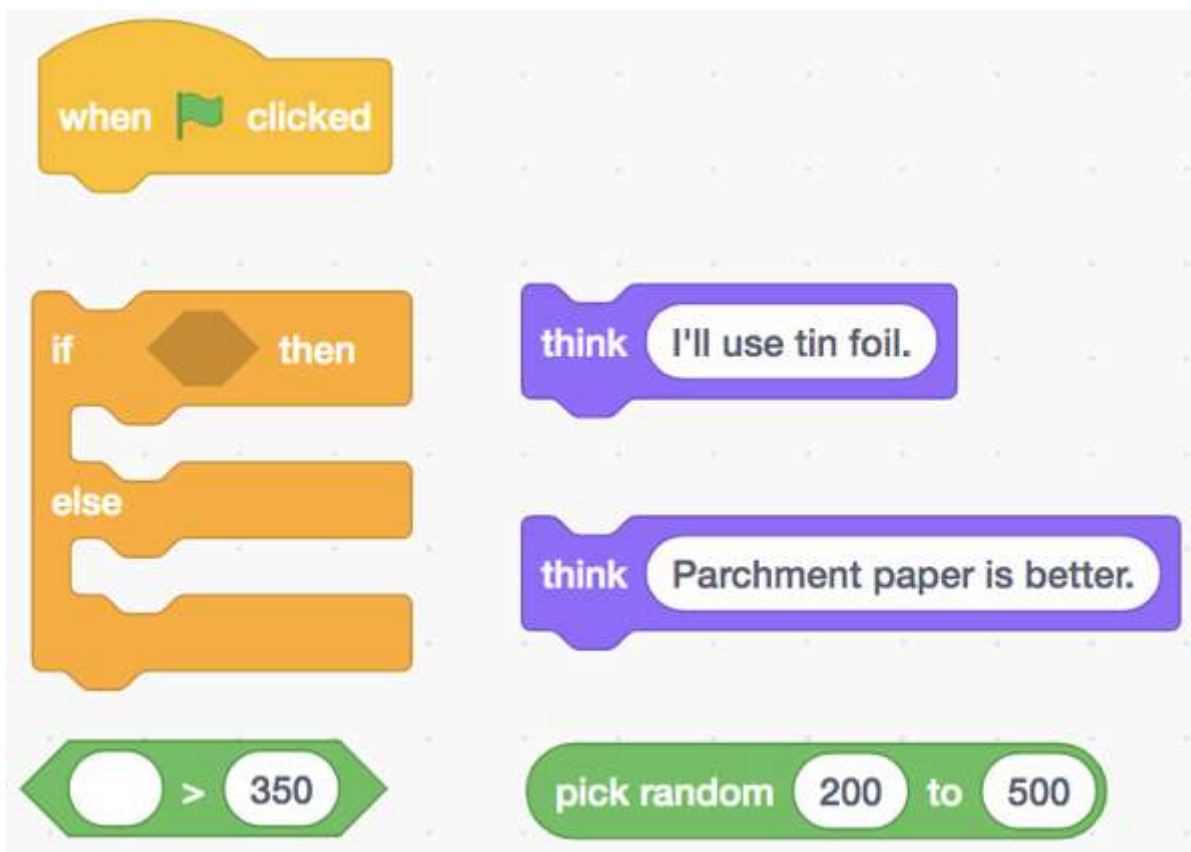
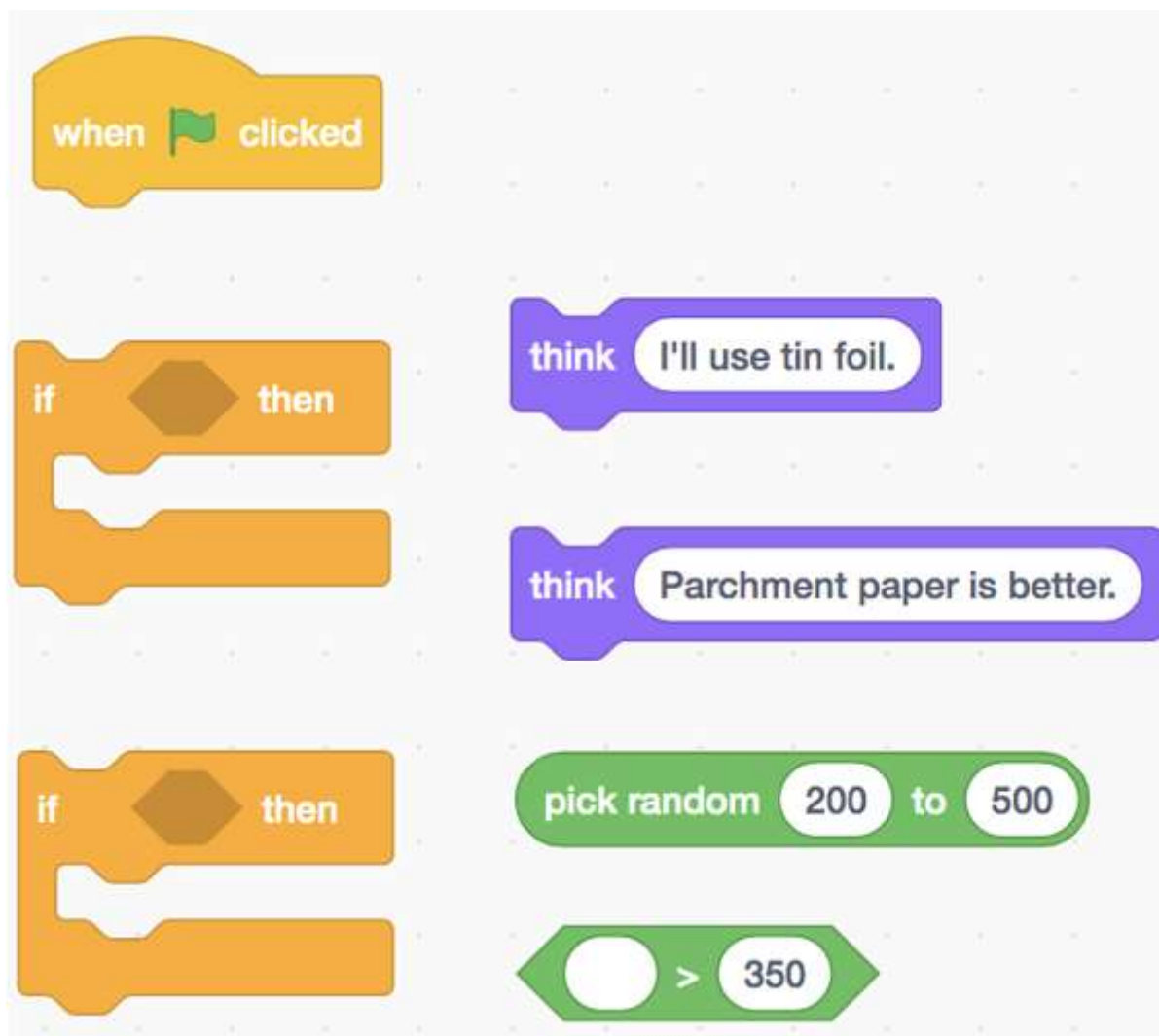


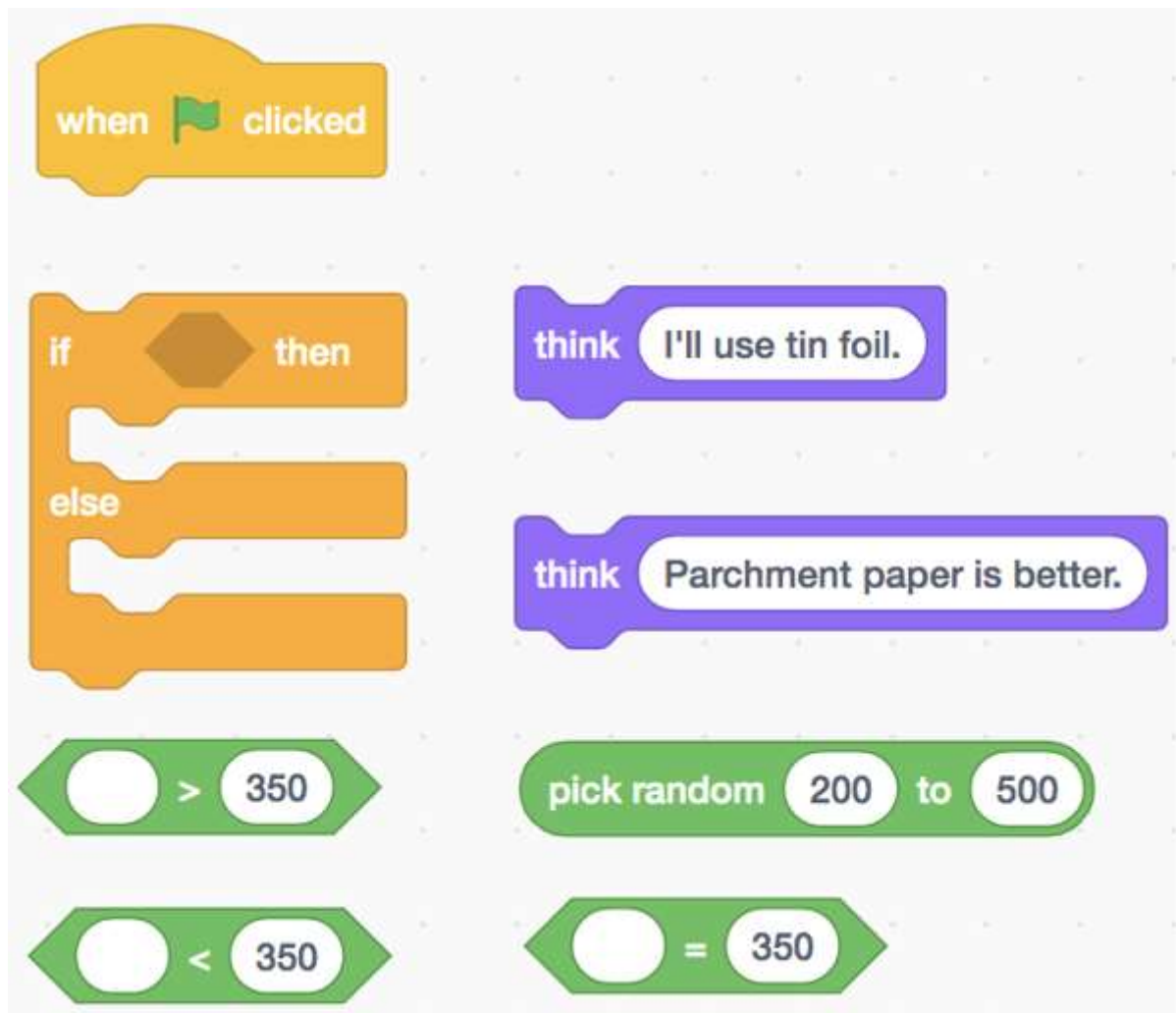


Question 4

4. Evan is making sourdough bread and knows that its baking temperature is between 200 degrees and 500 degrees. He has the options of wrapping the dough in tin foil if it is more than 350 degree or parchment paper if it is not. Which of the following options contains the correct puzzle pieces for the narration?





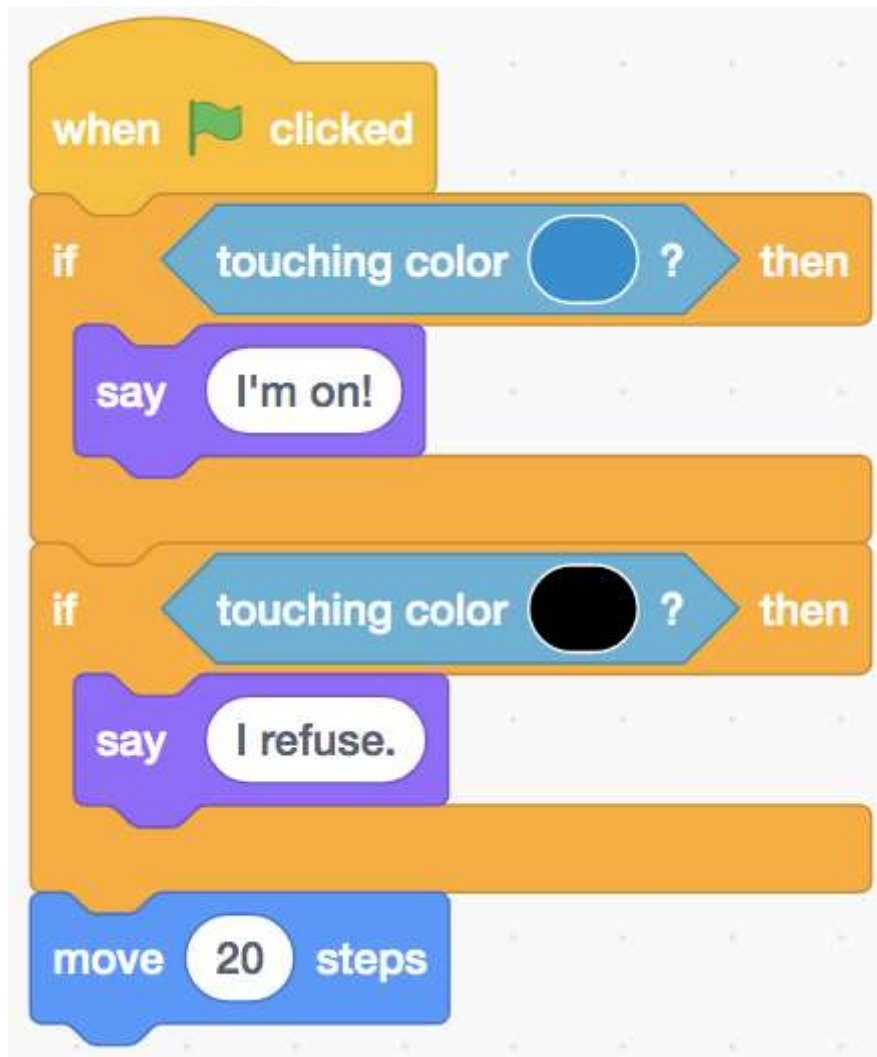


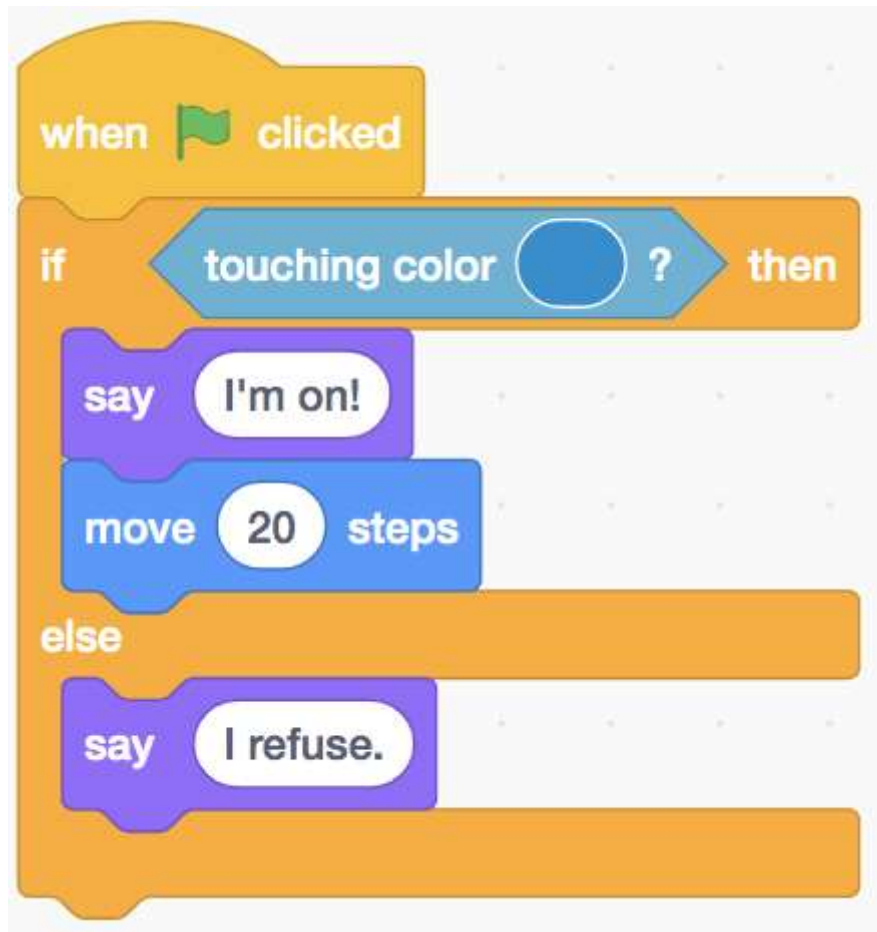
Question 5

5. Your new gadget only turns on and moves 20 steps if it is touching a blue object. If not, it refuses to work. Which of the following shows that?



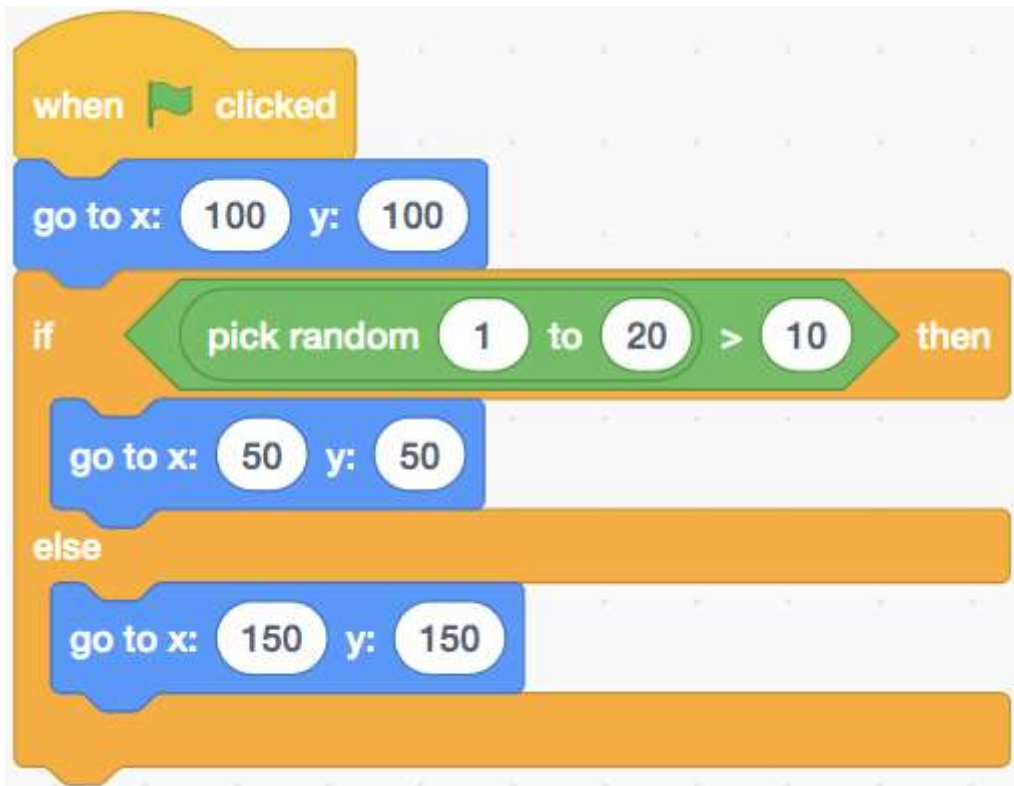






Question 6

6. In the scenario where the randomly picked number is 12, what will your location be at the end?

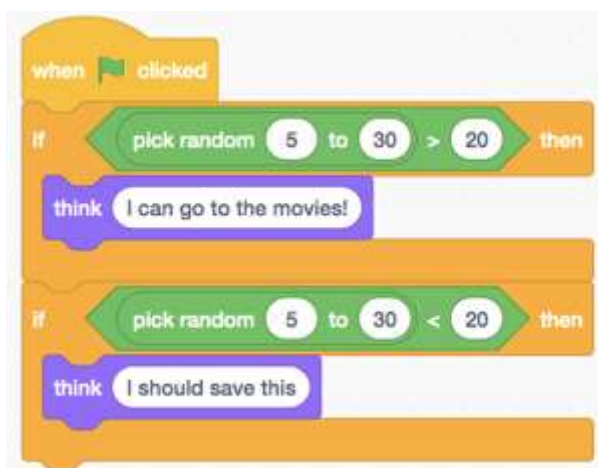


- ☐ x: 50, y: 50
- ☐ x: 100, y: 100
- ☐ x: 150, y: 150
- ☐ x: 300, y: 300

Question 7

7. Alex works as a pizza delivery man. His customers give him tips ranging from \$5 to \$30. If he receives more than \$20, he goes to the movies after work. If not, he saves the tip. Which of the following solutions uses the least number of puzzle pieces and is still correct?

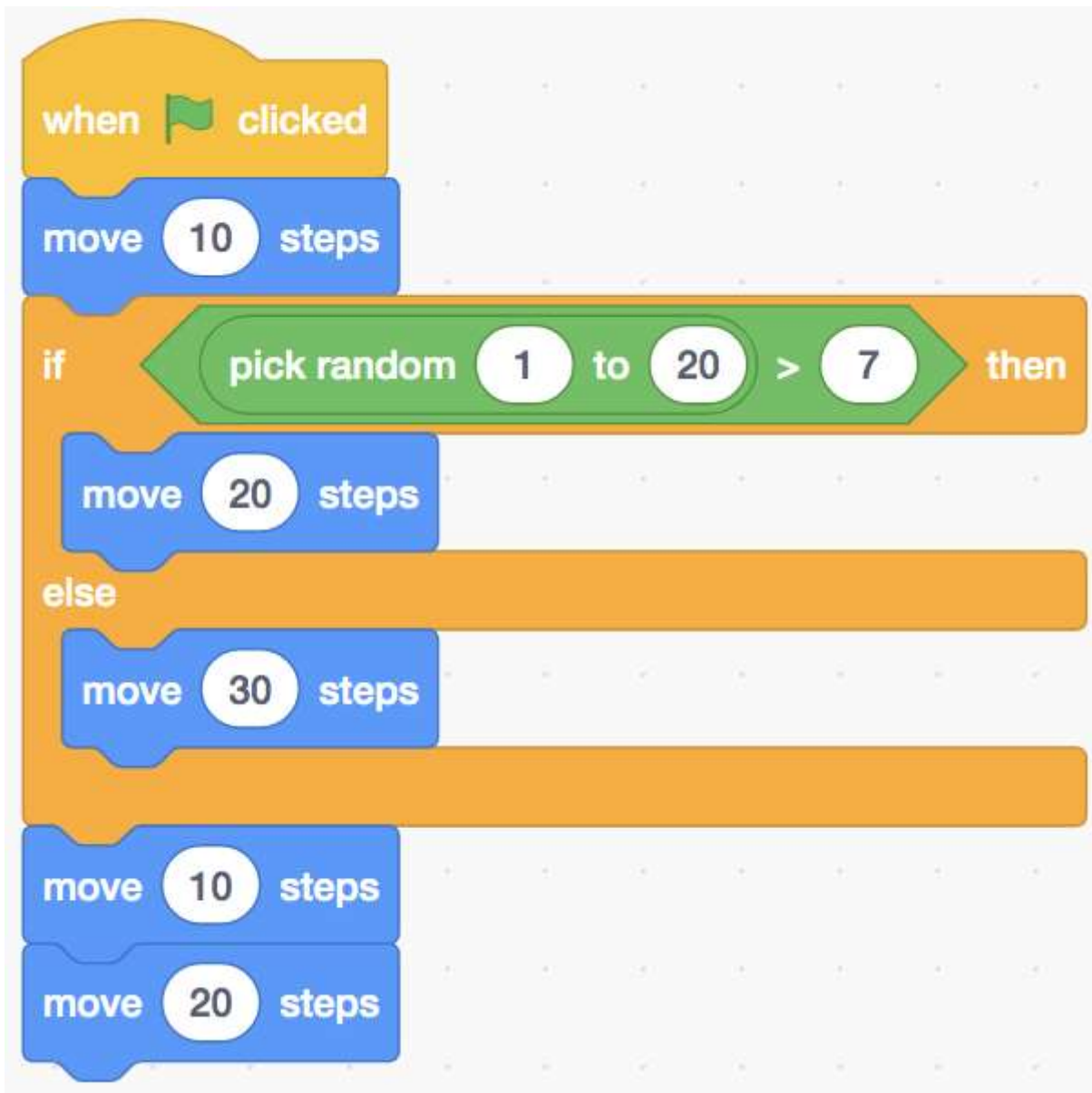
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Question 8

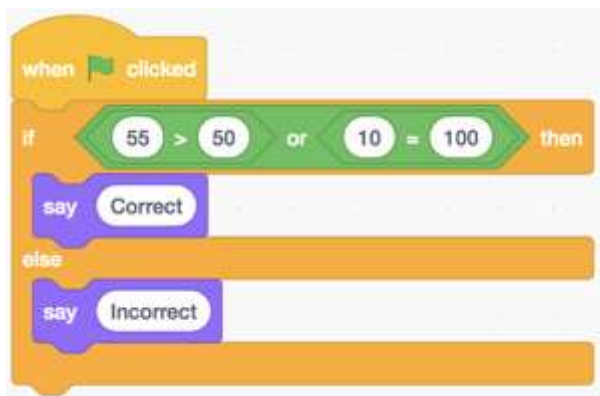
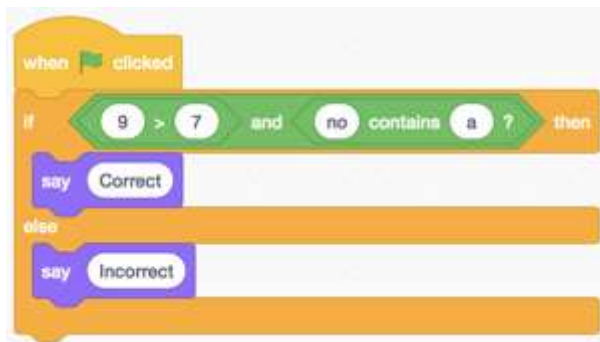
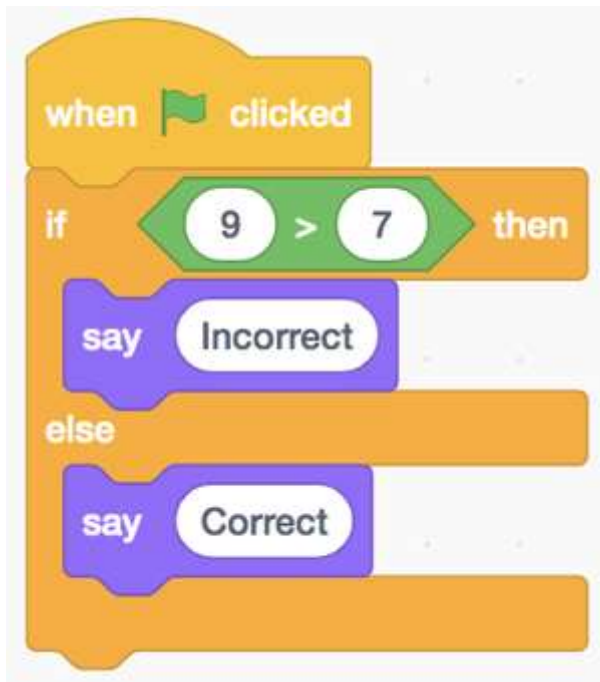
8. How many steps do you take if the random number selected is 8.

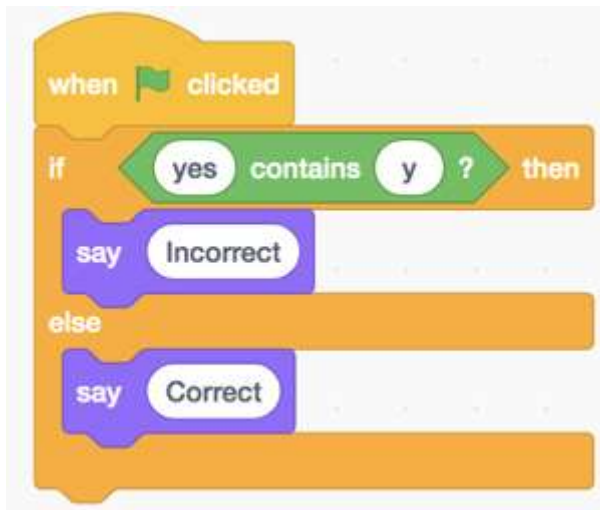


- ☐ 40
- ☐ 60
- ☐ 70
- ☐ 90

Question 9

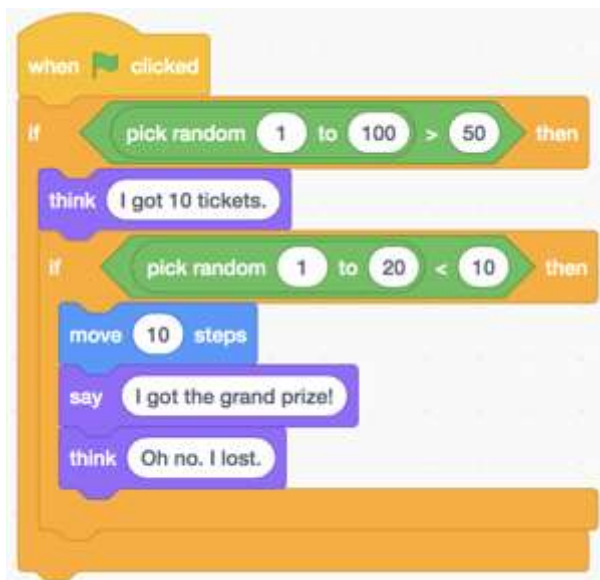
9. Which of the following say "Correct"?

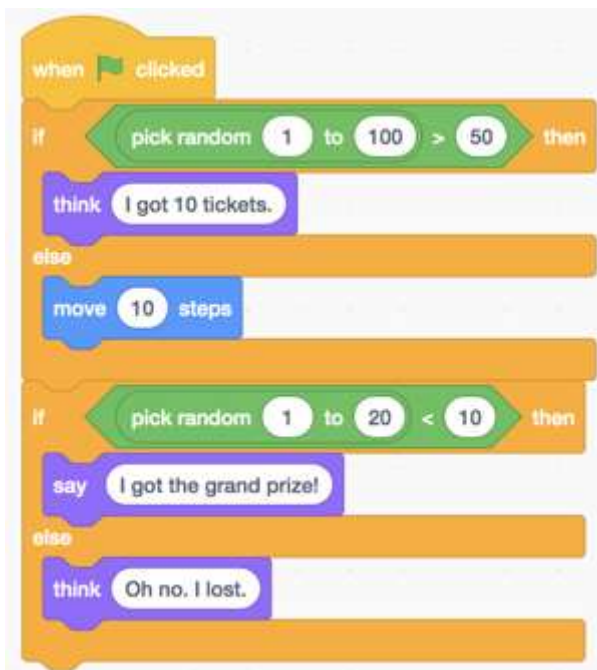
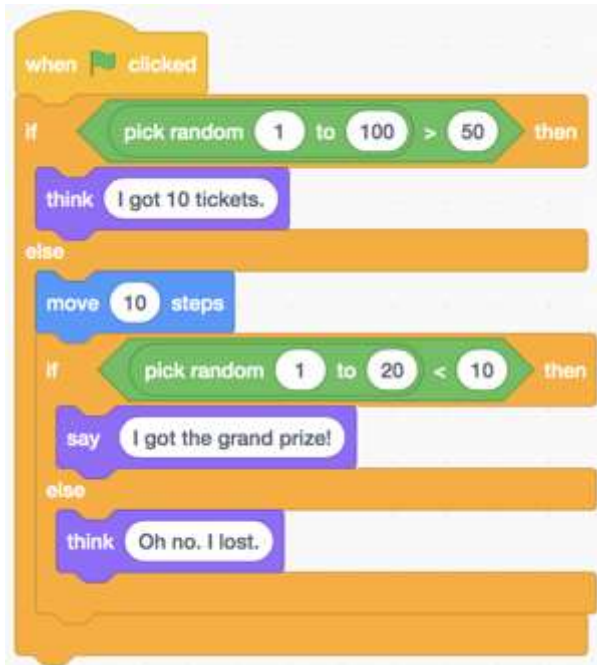
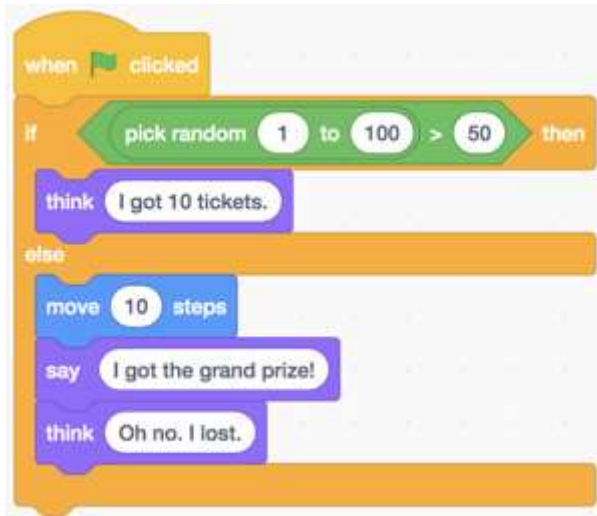




Question 10

10. Jose goes to an arcade and spins a wheel. If it stops at any number more than 50, he receives 10 tickets. Else, he must walk ten steps to spin another wheel. If he spins less than a 10 on the second wheel, he gets a huge prize, but if not, he gets nothing. Which of the following programming blocks tells this narrative?





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