

What is the value of sum after the code segment is executed?

- (A) 9
- (B) 15
- (C) 18
- (D) 20



Consider the following code segment.

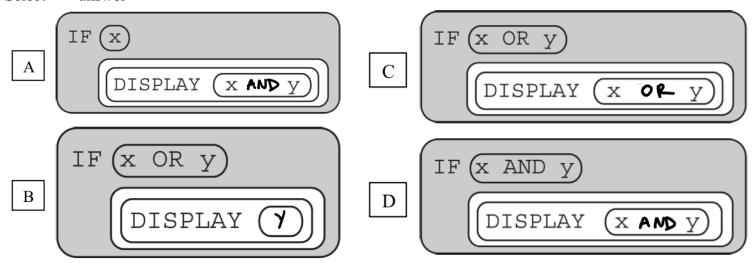
If the value of x is $\mathbf{4}$ and the value of y is $\mathbf{5}$, what is displayed as a result of executing the code segment?

- (A) 2
- (B) 2
- (C) 1
- (D) Nothing will be displayed.



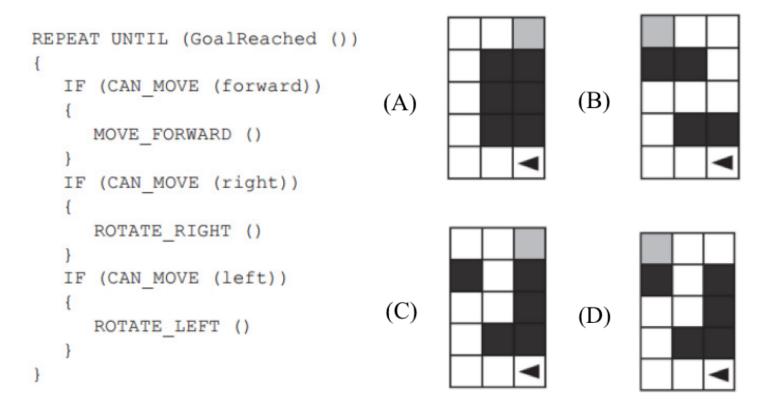
Assume that the Boolean variable x is assigned the value true and the Boolean variable y is assigned the value false. Which of the following will display the value true?

Select one answer





The program segment below is intended to move a robot in a grid to a gray square. The program segment uses the procedure *GoalReached*, which evaluates to *true* if the robot is in the gray square and evaluates to *false* otherwise. The robot in each grid is represented as a triangle and is initially facing left. The robot can move into a white or gray square but cannot move into a black region.



For which of the following grids does the program Successfully move the robot to the gray square? (Select all)