



You are taking "Quiz" as a timed exam. The timer on the right shows the time remaining in the exam. To receive credit for problems, you must select "Submit" for each problem before you select "End My Exam".

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## Problem 7

### Problem 7

20/20 points (graded)

Write a function that meets the specification below:

```
def solveit(test):
    """ test, a function that takes an int parameter and returns a Boolean
        Assumes there exists an int, x, such that test(x) is True
        Returns an int, x, with the smallest absolute value such that test(x) is True
        In case of ties, return any one of them.
    """

    # IMPLEMENT THIS FUNCTION

    ##### This test case prints 49 #####
    def f(x):
        return (x+15)**0.5 + x**0.5 == 15
    print(solveit(f))

    ##### This test case prints 0 #####
    def f(x):
        return x == 0
    print(solveit(f))
```

You are not allowed to import anything. Do not leave any debugging print statements. Click "See full output" to see the test cases passed/failed.

```
1 def solveit(test):
2     """ test, a function that takes an int parameter and returns a Boolean
3         Assumes there exists an int, x, such that test(x) is True
4         Returns an int, x, with the smallest absolute value such that test(x) is True
5         In case of ties, return any one of them.
6     """
7     testNo = 0
```



```
8 while True:
9     if test(testNo):
10         return testNo
11     if test(-testNo):
12         return -testNo
13     testNo += 1
```

Press ESC then TAB or click outside of the code editor to exit

正确

## Test results

CORRECT

[See full output](#)

[See full output](#)

提交

You have used 6 of 10 attempts

✓ Correct (20/20 points)

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