

Quiz due Nov 23, 2022 07:30 +08

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 # Paste your code here
2 def solveit(test):
3     """ test, a function that takes an int parameter and returns a Boolean
4         Assumes there exists an int, x, such that test(x) is True
5         Returns an int, x, with the smallest absolute value such that test(x) is
6         In case of ties, return any one of them.
7     """
8     for i in range(1000):
9         if test(i):
10             return i
11     for i in range(1000, -1000, -1):
12         if test(i):
13             return i
14
```

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

Correct

Test results

CORRECT

[See full output](#)

[See full output](#)

Submit

You have used 2 of 10
attempts

✓ Correct (20/20 points)