



Dash

All

Articles

Videos

Problems

Quiz

> 1 of 10 QUESTIONS

QUESTION 1

5 marks

Consider the following recursive function `function(x,y)`. What is the value of `function(4,3)`

Python Code

```
def function(x,y):  
  
    if x==0:  
  
        return y  
  
    else:  
  
        return function(x-1,x+y)
```

☒ 13

☐ 12

☐ 9

☐ 10

Your submitted response was correct.

Explanation

The function `fun()` calculates and returns $((1+2+...+x-1+x)+y)$ which is $x(x+1)/2$

Previous

Submitted

Next