

base case

1+2+3+4+5+6

*decrease*

1+2+3+4+5

*decrease*

1+2+3+4

*decrease*

1+2+3

*decrease*

1+2

*decrease*

1

return 1 *conquer*

*extend*

return 1+2=3

*extend*

return 3+3=6

*extend*

return 6+4=10

*extend*

return 10+5=15

*extend*

return 15+6=21

done!

D  
e  
c  
r  
e  
a  
s  
e

o  
C r  
o  
n E  
q x  
u t  
e e  
r n  
d