Name	Discrete I,	Quiz 28
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1) If "Line 4" is the line of interest and everything else is trivial, what is the asymptotic growth rate of this algorithm?

```
for i from 0 to n_1

"Line 2"

for j from 0 to n_2

"Line 4"

for k from 0 to n_3

"Line 6"
```

2) Assuming all arithmetic can be done in hardware, find an asymptotic upper bound on the runtime of this algorithm. Give a one-sentence explanation for your upper bound.

```
myFunc(n):
    if n == 0 return 1
    for i from 0 to n-1
        "Line 4"
    return myFunc(n-1)+ myFunc(n-2)
```