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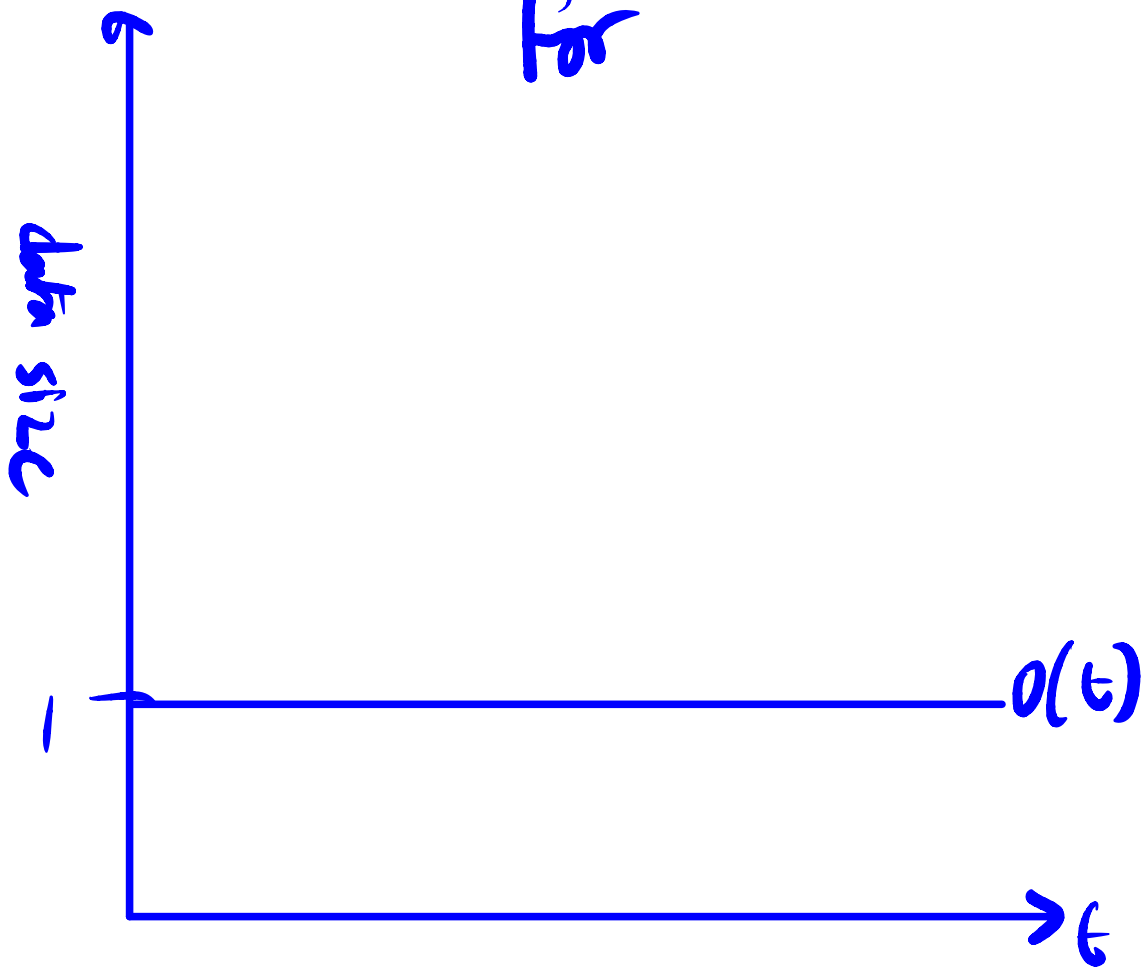


```
int main() {  
    int fact = 1;  
    for (int i = 1; i <= 4; i++) {  
        fact *= i;  
    }  
    main();  
}
```

constant  
←

← constant  
time complexity  
of 1.

For



# interactive

```
int main() {
```

"enter an integer:"

n

```
cin >> fact;
```

↙

```
for (int i = fact - 1; i >= 1; i--)
```

```
{ fact *= i;
```

```
}
```

"go again?"

```
if yes;
```

```
main();
```

```
} else return 0;
```

