

3.10. Discussion Questions

1. Give the Big-O performance of the following code fragment:

```
for i in range(n):  
    for j in range(n):  
        k = 2 + 2
```

2. Give the Big-O performance of the following code fragment:

```
for i in range(n):  
    k = 2 + 2
```

3. Give the Big-O performance of the following code fragment:

```
i = n  
while i > 0:  
    k = 2 + 2  
    i = i // 2
```

4. Give the Big-O performance of the following code fragment:

```
for i in range(n):  
    for j in range(n):  
        for k in range(n):  
            k = 2 + 2
```

5. Give the Big-O performance of the following code fragment:

```
for i in range(n):  
    k = 2 + 2  
for j in range(n):  
    k = 2 + 2  
for k in range(n):  
    k = 2 + 2
```

You have attempted 1 of 1 activities on this page

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(KeyTerms.html)

(Exercises.html)