iii. ↙1 ↙n+1 ↙n

$2n+2$

```
for(i=0; i<n; i++)
```

(n times) ↙1 ↙i+1 ↙i

$n(2i+2)$

```
for(j=0; j<i; j++)
```

(n·i times) ↙1

```
sum++;
```

$+ \ n \cdot i$

$3ni + 4n + 2$

☆ Complexity is $O(n^2)$

iiii. ↙1 ↙n^2+1 ↙n^2

$2n^2+2$

```
for(i=0; i<n·n; i++)
```

(n^2 times) ↙1 ↙n^2+1 ↙n^2

$n^2(2n^2+2)$

```
for(j=0; j<n·n; j++)
```

(n^4 times) ↙1

```
sum++;
```

$+ \ n^4$

$5n^4 + 4n^2 + 2$

☆ Complexity is $O(n^4)$