

Example

5, 1, 3, 2, 8

$n=5$

in worst Case

5 1 3 2 8

```
def is_in_range(arr, n):
    for i in range(0, n-2):
        for j in range(i+1, n-1):
            for k in range(j+1, n):
                if arr[i] + arr[j] > arr[k] and arr[i] + arr[k] > arr[j] and arr[j] + arr[k] > arr[i]:
                    return 1
```

i=0, j=1, k=2

5 1 3 2 8

i j k=2

k
2: n-1
2: 4

5 1 3 2 8

i j k=3

5 1 3 2 8

i j k=4

for loop end

i=0, j=2, k=3

5 1 3 2 8

i j k=3

5 1 3 2 8

i j k=4

for loop end

i
1: n-2
1: 3

i=0, j=3, k=4

5 1 3 2 8

i j k

for loop end

i=1, j=2, k=3

5 1 3 2 8

i j k=3

5 1 3 2 8

i j k=4

for loop end

i=1, j=3, k=4

5 1 3 2 8

i j k

for loop end

i
0: n-3
0: 2

i=2, j=3, k=4

5 1 3 2 8

i j k

for loop end

Example

3, 4, 5, 1, 2

$n=5$

in best Case

3 4 5 1 2

```
def is_in_range(arr, n):
    for i in range(0, n-2):
        for j in range(i+1, n-1):
            for k in range(j+1, n):
                if arr[i] + arr[j] > arr[k] and arr[i] + arr[k] > arr[j] and arr[j] + arr[k] > arr[i]:
                    return 1
```

i=0, j=1, k=2

3 4 5 1 2

i j k

return 1