

```
arr = [-70, -64, -6, -56, 64,  
        61, -57, 16, 48, -98]  
len(arr) = 10
```

abs

```
-70 - -70 = 0  
-70 - -64 = 6  
-70 - -6 = 64  
-70 - -56 = 14  
...  
-64 - -64 = 0  
-64 - -6 = -58  
...at  
-98 - -98 = 0
```

```
maxDist = 167 = 162 + 5
```

max distance betewwenn 2 els of array: abs(a-b)

```
natoms = 5
```

```
from j to 5-i
```

```
i=2 => natoms = 5-2=3 =>
```

an array has 5 elements number 0 to 4

we want to go from positon i to the end of the array

i is 2 so in arr of length 5 end is el 4 (in our case end is alway el 275)

so range(i, end of arr) endofarr = (arr.length()-1)-i = 4-2 (in our case

arr.length()=275 so 275-i

```
0 1 2 3 4
```

```
275-i-1 = 274-i
```

when you do range (i, 275-i) 275-i = 275-i-1