```
array sum between max and min
elements inclusive
(like between condition in SQL)
```

```
v = [v[0], ..., v[n]]
l - largest number index
s - smallest number index
large - largest number
small - smallest number
v_sum
```

```
i = l = s = 0
large = small = v[0]
v_sum = 0
```

```
i += 1
```

i > n

true

false

v[i] > large — **true** →
```
l = i
large = v[l]
```

false

v[i] < small — **true** →
```
s = i
small = v[s]
```

false

```
i = s
```

l < s — **true** →
```
i = l
```
→
```
l = s
```

false

```
print(v_sum)
```
← **false** — i <= l ←
```
i += 1
```
←
```
v_sum = v[i]
```

true

```
End of algorithm
```

```python
v = [18, 255, 34, 3, 237, 21, 199]
i = 0
v_range = len(v)
v_sum = 0
large = small = v[i]
i += 1
while i in range(0, len(v)):
    if v[i] > large:
        l = i
        large = v[l]
    else:
        if v[i] < small:
            s = i
            small = v[s]
    i += 1
i = s
if l < s:  # swap for convenience
    i = l
    l = s
while i <= l:
    v_sum += v[i]
    i += 1
print(v_sum)
```

```
if l is smaller
then s then
swap indices
```