

```
import random
```

```
import math
```

```
N = 11
```

```
M = 3
```

```
K = 4
```

```
def init_random_list(list_size):
```

```
    list = []
```

```
    while list_size > 0:
```

```
        list.append(random.randint(1, 100))
```

```
        list_size = list_size - 1
```

```
    return list
```

```
lst = init_random_list(N)
```

```
print("source array: ",lst)
```

```
i= 0
```

```
j= len(lst)
```

```
while i < j:
```

```
    if lst[i] < 0:
```

```
        lst.insert(i+1 , lst[i] * lst[i])
```

```
        j += 1
```

```
    i += 1
```

```
print("modified array:",lst)
```