

```
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(-3, 3))
        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)
```