```python
size = int(input("Enter the size of the array: "))

print("Enter the elements of the array:")
array = list(map(int, input().split()))

max_product = array[0]
current_max = array[0]
current_min = array[0]

for i in range(1, size):
    if array[i] < 0:
        current_max, current_min = current_min, current_max

    current_max = max(array[i], current_max * array[i])
    current_min = min(array[i], current_min * array[i])

    max_product = max(max_product, current_max)

print("Maximum product subarray:", max_product)
```