

INCREASING TRIPLET SUBSEQUENCE

```
def increasetriplet(nums):
    first = float('inf')
    second = float('inf')
    for num in nums:
        if num <= first:
            first = num
        elif num <= second:
            second = num
        else:
            return True
    return False

nums = [10, 2, 4, 5]
print(increasetriplet(nums))
```