

Analysis: Bike Tour

For each of the checkpoints, we can determine if it is a peak in $O(1)$ time by comparing its height to the heights of the checkpoints before and after it.

There are **N** checkpoints, so the total time complexity of this approach is $O(N)$, which is sufficient for both Test Set 1 and Test Set 2.

Sample Code(C++)

```
int countPeaks(vector<int> checkpoints) {
    int peaks = 0;
    for(int i = 1; i < checkpoints.size() - 1; i++) {
        if(checkpoints[i-1] < checkpoints[i] && checkpoints[i+1] < checkpoints[i]) {
            peaks++;
        }
    }
    return peaks;
}
```