

```
// Update final_array using prefix sum technique
for (int i=0; icqueries.size(); i++){
    int a = queries[i][a];
    int b = queries[i][a];
    int k = queries[i][a];
    int k = queries[i][a];
    final_array[a] += k;
    if (b+: <= n) final_array[b+i] -= k;
}

// Compute cumulative sum of final_array
long max = 0;
long sum = 0;
for (int i=1; i<-n, i++){
    sum += final_array[i];
    if (sum > max) max = sum;
}

return max;
}

Regenerate response
```