Interesting

* Global array can have greater size (around 107) than local
* 1LL << k
* int mid = l + (r – l) / 2
* linear sieve
* coordinate compression
* max, max\_element
* djikstra bucket
* meet in the middle
* minimm / max stack
* queue
* 2 stacks 2 similkate queue
* euler tour lca
  + <https://codeforces.com/problemset/problem/1062/E>
* events (+1 -1) arrays trees CF 739B
* binary lifting
* check if thers cycle in directed graph (instack)
* topological sort is only possible if no directed cycle (fuck its actually very obvious)
* topological sort can be used to find shortest path in dag
* lazy if
* emplace back no need {} for pair
* for loop

if want j to loop such that i + j < n

https://codeforces.com/blog/entry/68138

topic of the week

* binary search
* dfs
* shortest path
* segment tree & sparse table
* dynamic programming
* prefix sum
* 2 sat
* game theory
* suffix array
* dynamic programming
* KMP
* segment tree & sparse table
* stack and queue
* heap
* sweep line
* convex hull
* exchange arguments
* centroid decomposition, heavy light decomposition