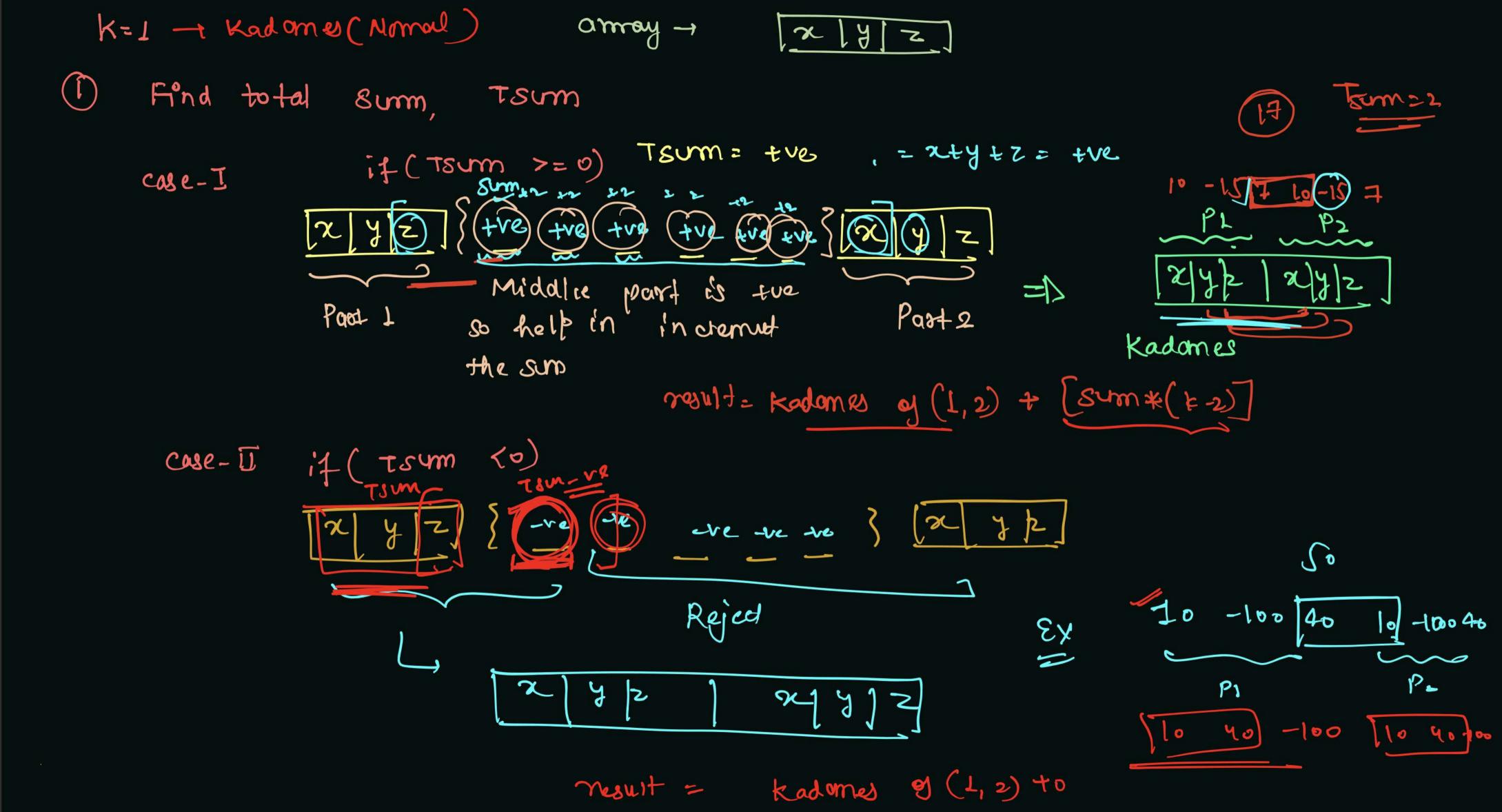
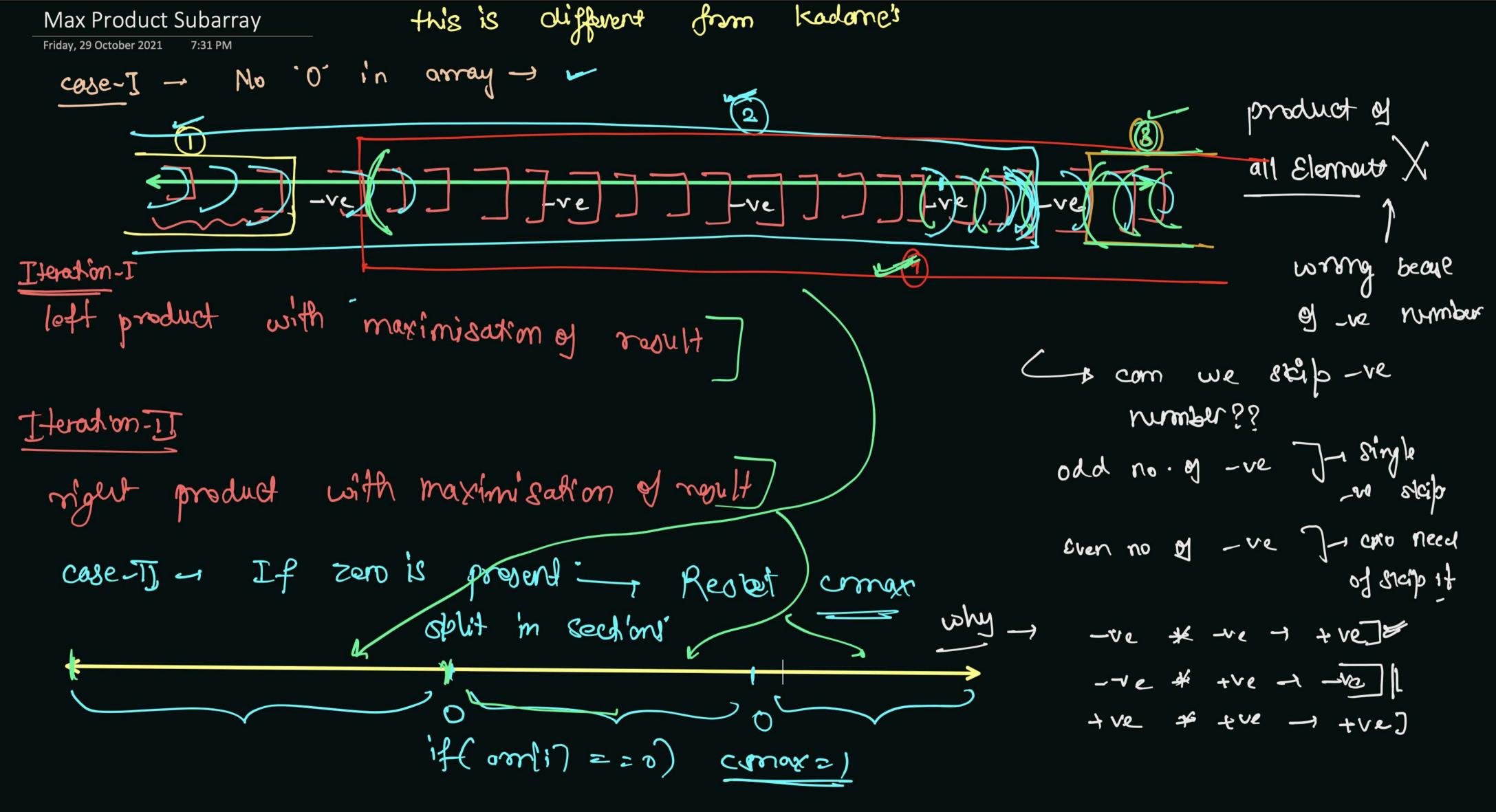
Application of Kadomes K- Concatenation Friday, 29 October 2021 6:15 PM [1 2 3]K=3 - array array k times, final Array = [123123 123 - concatenate Max. Sum of Subarray after k-concaten ation. constraints Range of K -> 10 size g single array - 10 \_ 9s it possible to concatenate array?? size-10 ] X aircular Loop K-times Time limit = 1 Sec. 1 sec. we can do at max lo operation not apply circular loop. 1000 operations (max), so to avoid TLE we

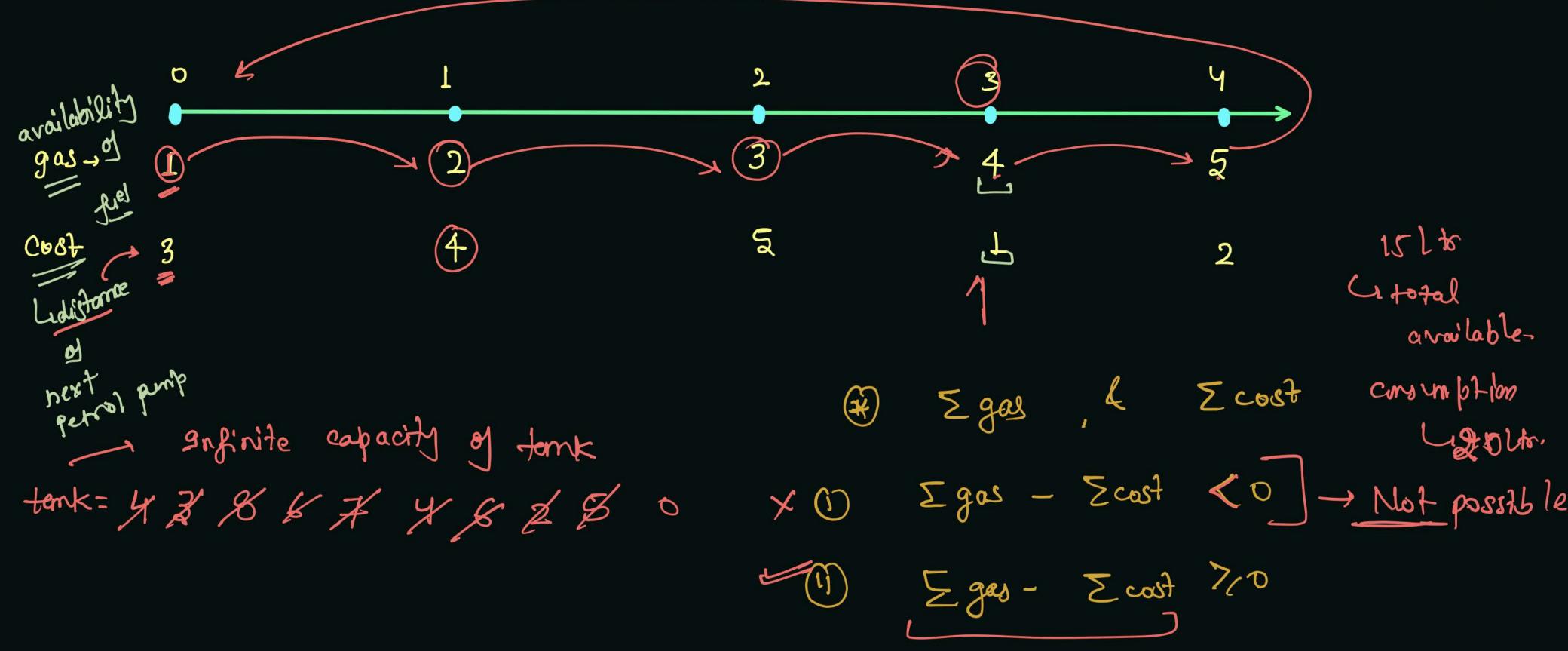


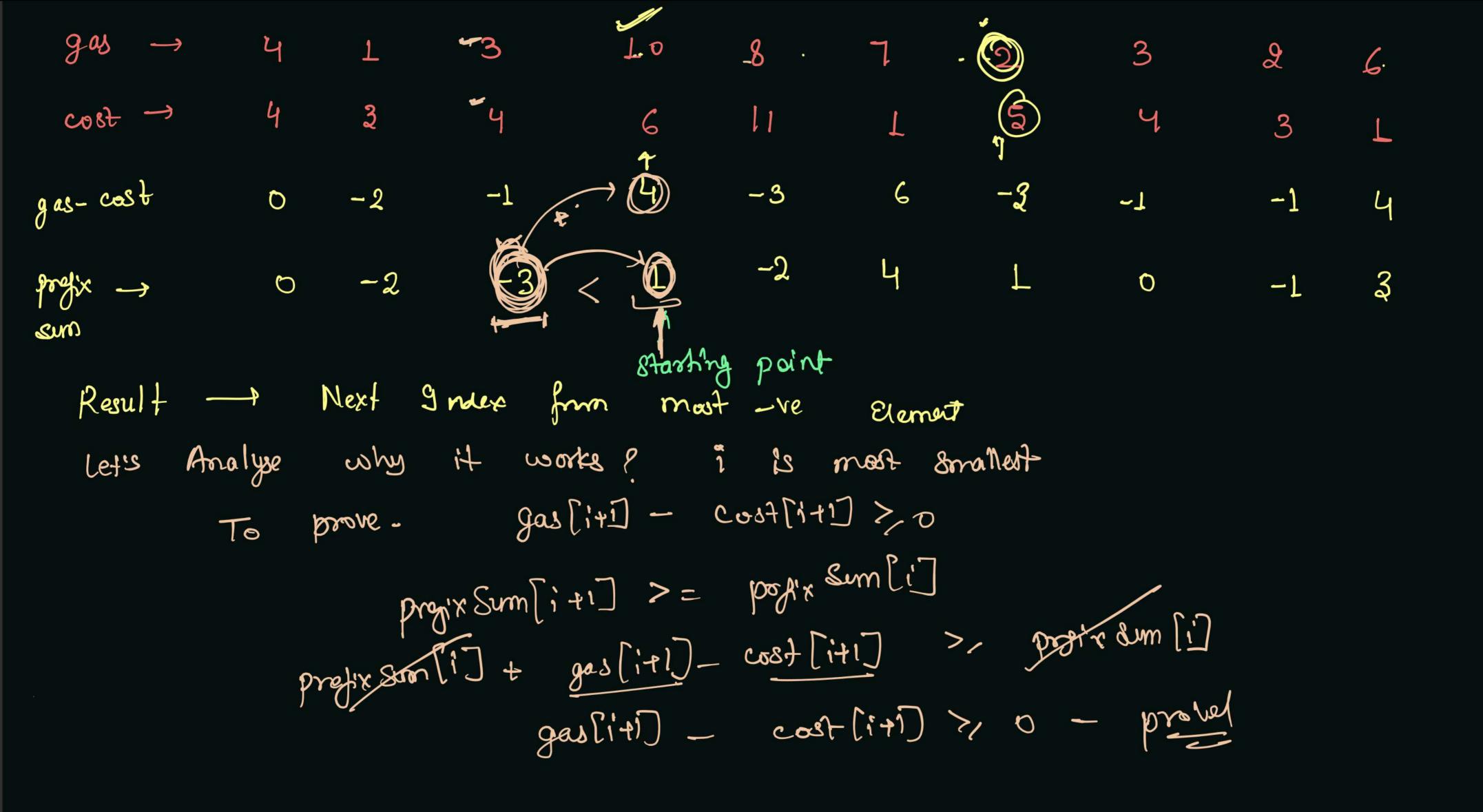


Friday, 29 October 2021

8:23 PM

gas = [1,2,3,4,5], cost = [3,4,5,1,2]





it com we more next gas station from it?? from Now To prove -1 gas [iti] - cost [iti] + gas [iti] - cost [iti] >0 proj'x Sum [i +2] >, projix Sum [i] prfix sun [it1] + gas [it2] - cost[it2] > prfix sum[i] projet smati] + gos [i+1] - cost[i+i] + gos [i+2] -cost[i+2] >, pyletsim[i] gas [i+i] - cost[i+i] + gas[i+i] - cost[i+i]  $\geq 0$ 

gasliti]- costliti] + gaslitz) - costlitz) + gaslitz] - costlitz] >,0 prefix [i+3] > prefix sum [i] projix sum [i+2] + gos [i+3] - cost [i+3] 7, projix sum [i] prévie som [iti] + gers [itr] - cont (itr) + gers [itr] - cont [itrs] >, préviedem [i] phixtuatif + gas[iti] - wot[iti] + geos[iti] - cot[iti] + geos[iti] - wot[iti] > poprise sum [1'] gas[iti] - wot[iti] + geofiter] - contlite] + geofite) - wot[ite] >>

(gas[iti] - cost[iti]) + (gas[it2] - cost[it2) + (ges[it3) - cost[it3])+ , --+ (gas[N-1) - co 8+[N-1]) > 00-- If we start from 1't1 then we will reach at is' Gradus æfter jump from (N-it ander to prove -> let see how we can reach from o to it! , 5 gos - 2 cost > 0 - + Beare there is a roult gar [07 - cost [0] + grs[i] - cost[i] + [gar[i+i] - cost[i+i] + gas[i+i] - cost[i+i] + ---+ gas[i] - cost[i] + [gar[i+i] - cost[n-i] - cost[n-i]

[qas[o] + gas[i] + gas[i] - [cost[o] + cost[i] + ... + cost[i] = ... + cost[i