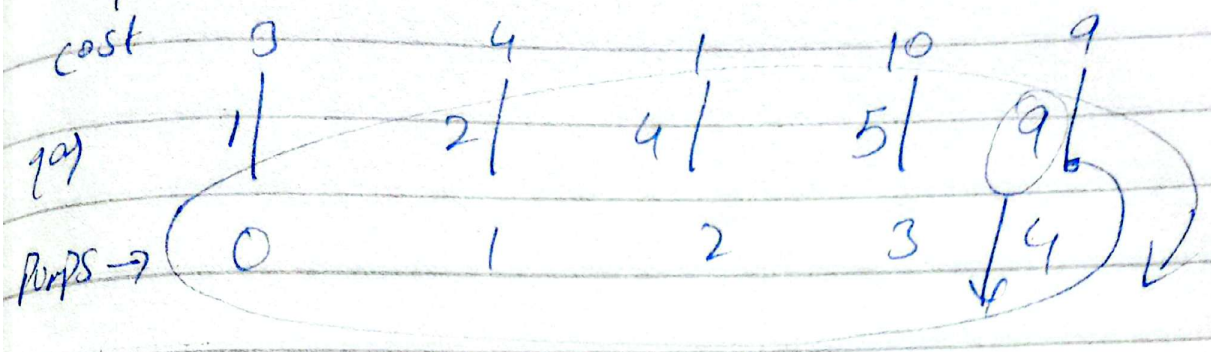
Gas Station Problem

gas = [1,2,4,5,9] cost = [3,4,1,10,9]



* the point of the gas which makes the circular tour of pumps possible by not making us deficit of fuel to move forward
* we have to be in surplus of the fuel to move ahead.

Pseudocode

① total gas <= total cost ⟶ -1

②
```
arr
for( i=1 to n){
currgas += (gas)[i] - cost[i]
if( currgas<0){
  start = i+1;
  currgas = 0;
}
}
```

surplus check

CG = CG + gas[i] - cost[i]