1.

def CompleteCircuit(gas,cost):

tot\_gas=0

tot\_cost=0

tank=0

start\_index=0

for i in range(len(gas)):

tot\_gas+=gas[i]

tot\_cost+=cost[i]

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

if tank<0: # Reset start position

start\_index=i+1

tank=0

return start\_index if tot\_gas >= tot\_cost else -1

2.

def candy(rating):

n=len(rating)

candies=[1]\*n

for i in range(1,n):# Left to right

if rating[i]>rate[i-1]:

candies[i]=candies[i-1]+1

for i in range(n-2,-1,-1):# Right to left

if rating[i]>rating[i + 1]:

candies[i]=max(candies[i],candies[i+1]+1)

return sum(candies)