1) class Solution:

def maxProduct(self, nums: List[int]) -> int:

k=[]

for i in range(len(nums)):

for j in range(i+1,len(nums)):

if i!=j and i<j:

k.append((nums[i]-1)\*(nums[j]-1))

return max(k)

2) import itertools

class Solution:

def numTeams(self, rating: List[int]) -> int:

c=0

for comb in itertools.combinations(rating,3):

a=list(comb)

if a[0]>a[1]>a[2] or a[0]<a[1]<a[2]:

c=c+1

return c

3) class Solution:

def busyStudent(self, startTime: List[int], endTime: List[int], queryTime: int) -> int:

c=0

for i in range(len(startTime)):

if queryTime in range(startTime[i],endTime[i]+1):

c=c+1

return c

4) class Solution:

def numberOfSteps(self, num: int) -> int:

c=0

while num!=0:

if num%2==0:

num=num/2

c=c+1

if num%2==1:

num=num-1

c=c+1

return c

5) class Solution:

def countBits(self, n: int) -> List[int]:

k=[]

for i in range(n+1):

a=bin(i).replace("0b", "")

b=str(a)

k.append(b.count('1'))

return k