〈부르트 포스〉

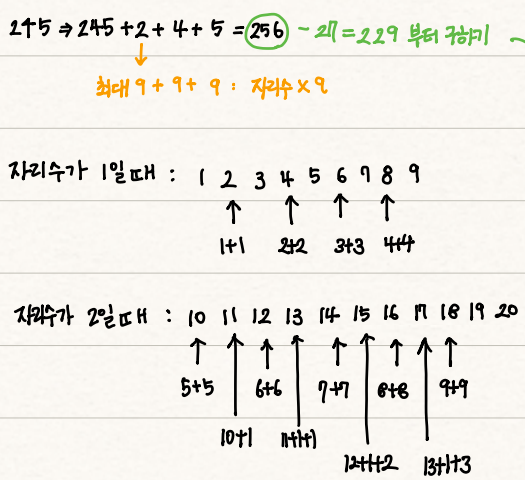
1. 블랙잭

```python
count, N = map(int, input().split())
num_list = list(map(int, input().split()))
sum_list = []

for i in num_list:
  for j in num_list:
    for k in num_list:
      if (i != j) and (i != k) and (j !=k):
        if i+j+k <= N:
            sum_list.append(i+j+k)

print(max(sum_list))
```

→ 모든 경우의 수에 대해 합을 구하고 N보다 큰 경우 sum_list에 추가

→ sum_list에서 가장 큰 값 반환

2. 분해합

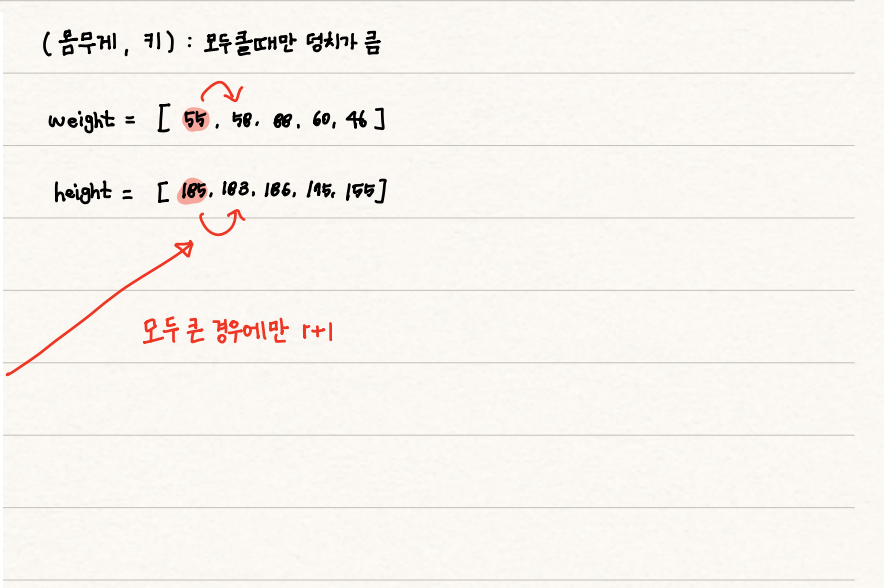



```python
N = int(input())
length = len(str(N))
result = 0

if N<=18:
  if N % 2 == 0:
    result = N // 2
  elif N == 11:
    result = 10
  elif N == 13:
    result = 11
  elif N == 15:
    result = 12
  elif N == 17:
    result = 13
else:
  for i in range(1, length*9):
    num = N-i
    length_num = len(str(N-i))
    for j in range(length_num):
        num += int(str(N-i)[j])
    if num == N:
        result = N-i

print(result)
```

수동으로 ...

3. 덩치

```python
count = int(input())
height = []
weight = []
rank = []

for i in range(count):
    x, y = map(int, input().split())
    weight.append(x)
    height.append(y)

for i in range(count):
    r = 1
    w = weight[i]
    h = height[i]
    for j in range(count):
        if w < weight[j] and h < height[j]:
            r += 1
    rank.append(r)

for i in rank:
    if i != rank[-1]:
        print(i, end = " ")
    else:
        print(i)
```



4. 체스판 다시 칠하기

8*8 체스판 만들기

```python
n, m = map(int, input().split())
l = []
mini = []

for _ in range(n):
    l.append(input())

for a in range(n - 7):
    for i in range(m - 7):
        idx1 = 0
        idx2 = 0
        for b in range(a, a + 8):
            for j in range(i, i + 8):
                if (j + b)%2 == 0:
                    if l[b][j] != 'W': idx1 += 1
                    if l[b][j] != 'B': idx2 += 1
                else :
                    if l[b][j] != 'B': idx1 += 1
                    if l[b][j] != 'W': idx2 += 1
        mini.append(idx1)
        mini.append(idx2)

print(min(mini))
```

5. 영화감독 숌

```python
N = int(input())
num = 666
count = 0

while True:
    if '666' in str(num):
        count += 1
    if count == N:
        print(num)
        break
    num += 1
```

1666 2666 3666 4666 5666 6666 7666 8666 9666

10666 11666 12666 13666 14666 15666 16660 17666 18666 19666 ...

16661
16662
:
16669

〈 정렬 〉

1. 수 정렬하기

```python
num_list = []
count = int(input())
for i in range(count):
    x = int(input())
    num_list.append(x)

num_list.sort()
for i in num_list:
    print(i)
```

2. 수 정렬하기 2

```python
import sys
sys.setrecursionlimit(10**6)
input = sys.stdin.readline

N = int(input())
arr = []
for i in range(N):
    arr.append(int(input()))

def merge_sort(arr):
    if len(arr) <= 1:
        return arr
    mid = len(arr)//2
    L = merge_sort(arr[:mid]) # 분할
    R = merge_sort(arr[mid:]) # 분할
    mer = []

    i = 0
    j = 0
    while i < len(L) and j < len(R): # 정렬 및 결합
        if (L[i] > R[j]):
            mer.append(R[j])
            j += 1
        else:
            mer.append(L[i])
            i += 1

    if i != len(L):
        mer += L[i:]
    if j != len(R):
        mer += R[j:]
    return mer

mer = merge_sort(arr)
for i in mer:
    print(i)
```

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