NAMUNAVIY MASALALAR

1-masala. Raqamlar yig‘indisi va ko‘paytmasi

Butun son berilgan. Uning raqamlar yig‘indisi va raqamlar ko‘paytmasini chiqaring.

Yechim:

```
n = abs(int(input()))
s = 0
p = 1

while n > 0:
    d = n % 10
    s += d
    p *= d
    n //= 10

print(s, p)
```

2-masala. Birinchi juft son

n ta son berilgan. Birinchi uchragan juft sonni chiqaring. Agar yo‘q bo‘lsa `-1`.

Yechim:

```
n = int(input())
found = False

for _ in range(n):
    x = int(input())
    if x % 2 == 0 and not found:
        print(x)
        found = True

if not found:
    print(-1)
```

3-masala. Raqamlar ketma-ketligi

Butun son berilgan. Agar uning raqamlari chapdan o‘ngga o‘suvchi bo‘lsa `YES`, aks holda `NO`.

Yechim:

```
s = input()
ok = True

for i in range(len(s) - 1):
    if s[i] >= s[i + 1]:
        ok = False
        break
```

```
print("YES" if ok else "NO")
```

4-masala. Eng katta toq raqam

Butun son berilgan. Undagi eng katta toq raqamni toping. Agar yo‘q bo‘lsa `-1`.

Yechim:

```
n = input()
mx = -1

for ch in n:
    d = int(ch)
    if d % 2 == 1:
        mx = max(mx, d)

print(mx)
```

5-masala. Ketma-ket tenglar soni

Ketma-ketlik berilgan. Yonma-yon teng bo‘lgan juftliklar sonini toping.

Yechim:

```
n = int(input())
a = list(map(int, input().split()))

cnt = 0
for i in range(1, n):
    if a[i] == a[i - 1]:
        cnt += 1

print(cnt)
```

6-masala. Minimal va maksimal farq

n ta son berilgan. Eng katta va eng kichik sonlar orasidagi farqni chiqaring.

Yechim:

```
n = int(input())
a = list(map(int, input().split()))

print(max(a) - min(a))
```

7-masala. Tub sonni tekshirish

Berilgan son tub bo‘lsa `YES`, aks holda `NO`.

Yechim:

```
n = int(input())
if n < 2:
    print("NO")
else:
    ok = True
    for i in range(2, int(n ** 0.5) + 1):
        if n % i == 0:
            ok = False
            break
    print("YES" if ok else "NO")
```

8-masala. Eng uzun musbat bo‘lak

Ketma-ketlik berilgan. Ketma-ket musbat sonlardan iborat eng uzun bo‘lak uzunligini toping.

Yechim:

```
n = int(input())
a = list(map(int, input().split()))

cur = 0
mx = 0
for x in a:
    if x > 0:
        cur += 1
        mx = max(mx, cur)
    else:
        cur = 0

print(mx)
```

9-masala. Palindrom tekshiruvi

Satr berilgan. Agar u palindrom bo‘lsa `YES`, aks holda `NO`.

Yechim:

```
s = input()
print("YES" if s == s[::-1] else "NO")
```

10-masala. Maxsus hisob

1 dan n gacha bo‘lgan sonlar ichida
3 ga bo‘linib, 5 ga bo‘linmaydigan sonlar yig‘indisini toping.

Yechim:

```
n = int(input())
s = 0

for i in range(1, n + 1):
```

```
    if i % 3 == 0 and i % 5 != 0:
        s += i

print(s)
```