MUSTAQIL ISHLASH UCHUN MASALALAR YECHIMLARI

1-masala. Yechim (set + two pointers)

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

need = len(set(a))
cnt = {}
l = 0
have = 0
ans = n + 1

for r in range(n):
    cnt[a[r]] = cnt.get(a[r], 0) + 1
    if cnt[a[r]] == 1:
        have += 1

    while have == need:
        ans = min(ans, r - l + 1)
        cnt[a[l]] -= 1
        if cnt[a[l]] == 0:
            have -= 1
        l += 1

print(ans if ans <= n else 0)
```

2-masala. Yechim (dict)

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

pairs = {}
for i in range(n - 1):
    p = (a[i], a[i + 1])
    pairs[p] = pairs.get(p, 0) + 1

mx = max(pairs.values())
ans = min(p for p in pairs if pairs[p] == mx)
print(ans[0], ans[1])
```

3-masala. Yechim (Counter)

```
from collections import Counter

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

cnt = Counter(a)
res = sorted(x for x in cnt if cnt[x] == K)
print(*res)
```

4-masala. Yechim (dict + tuple key)

```python
n = int(input())
groups = {}

for _ in range(n):
    s = input().strip()
    key = tuple(sorted(s))
    groups[key] = groups.get(key, 0) + 1

for k in groups.values():
    print(k)
```

5-masala. Yechim (set + sliding window)

```python
s = input()

seen = set()
l = 0
ans = 0

for r in range(len(s)):
    while s[r] in seen:
        seen.remove(s[l])
        l += 1
    seen.add(s[r])
    ans = max(ans, r - l + 1)

print(ans)
```

6-masala. Yechim (sort)

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

a.sort()
mn = min(a[i + 1] - a[i] for i in range(n - 1))
cnt = 0
for i in range(n - 1):
    if a[i + 1] - a[i] == mn:
        cnt += 1

print(cnt)
```

7-masala. Yechim (deque)

```python
from collections import deque

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

dq = deque()
res = []

for i in range(n):
```

```
    while dq and dq[0] <= i - k:
        dq.popleft()
    while dq and a[dq[-1]] <= a[i]:
        dq.pop()
    dq.append(i)
    if i >= k - 1:
        res.append(a[dq[0]])

print(*res)
```

8-masala. Yechim (DP, pythonic)

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

dpA = a[0]
dpB = b[0]

for i in range(1, n):
    newA = b[i] + dpB
    newB = a[i] + dpA
    dpA, dpB = newA, newB

print(max(dpA, dpB))
```

9-masala. Yechim (set + dict)

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

pos = {}
ans = -1

for i, x in enumerate(a):
    if x in pos:
        ans = pos[x]
        break
    pos[x] = i

print(ans)
```

10-masala. Yechim (Counter + sort)

```
from collections import Counter

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

cnt = Counter(a)
res = sorted(cnt.items(), key=lambda x: (-x[1], x[0]))

for x, _ in res:
```

```python
print(x, end=" ")
```