```cpp
1: //CSC
2: #include <bits/stdc++.h>
3: using namespace std;
4: bool nt[21003];
5: void sang(){
6:     memset(nt,true,sizeof(nt));
7:     nt[0] = nt[1] = false;
8:     for(int i = 2;i*i <= 21000;i++){
9:         if(nt[i]){
10:             for(int j = i*i;j <= 21000;j+=i){
11:                 nt[j] = false;
12:             }
13:         }
14:     }
15: }
16: int main(){
17:     sang();
18:     int n; cin>>n;
19:     int a[n];
20:     for(int &x : a) cin>>x;
21:     int ans = 0;
22:     for(int d = 2;d < 21000;d++){
23:         if(!nt[d]){
24:             continue;
25:         }
26:         map<int,int> mp;
27:         for(int i = 0;i < n;i++){
28:             mp[a[i]%d]++;
29:         }
30:         int res = 0;
31:         for(auto it : mp){
32:             res = max(res,it.second);
33:         }
34:         ans = max(ans,res);
35:     }
36:     cout<<ans;
37: }
38:
39: //MEETING
40: #include <bits/stdc++.h>
41: using namespace std;
42:
43: struct Meeting {
44:     int start, end;
45: };
46:
47: bool cmp(Meeting a, Meeting b) {
48:     return a.end < b.end;
49: }
50:
51: int main() {
52:     int n;
53:     cin >> n;
54:
55:     vector<Meeting> meetings(n);
56:     for (int i = 0; i < n; i++) {
57:         cin >> meetings[i].start >> meetings[i].end;
58:     }
59:
60:     sort(meetings.begin(), meetings.end(), cmp);
61:
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62:     int current_end_time = 0, max_meetings = 0;
63:     for (int i = 0; i < n; i++) {
64:         if (meetings[i].start >= current_end_time) {
65:             current_end_time = meetings[i].end;
66:             max_meetings++;
67:         }
68:     }
69:
70:     cout << max_meetings << endl;
71:
72:     return 0;
73: }
74:
```