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1  /// Final Lab 2557-1: Income Gap
2
3  #include <stdio.h>
4  #include <limits.h>
5
6  int main() {
7      int max_gap = INT_MIN;
8      int min_gap = INT_MAX;
9      int x, N;
10     scanf("%d", &N);
11
12     for(int i = 0; i < N; ++i) {
13         int max_grp = INT_MIN;
14         int min_grp = INT_MAX;
15         for(int k = 0; k < 5; ++k) {
16             scanf("%d", &x);
17             if(x > max_grp)
18                 max_grp = x;
19             if(x < min_grp)
20                 min_grp = x;
21         }
22         int gap = max_grp - min_grp;
23         if(gap > max_gap)
24             max_gap = gap;
25         if(gap < min_gap)
26             min_gap = gap;
27     }
28     printf("%d %d %d", max_gap, min_gap, max_gap - min_gap);
29
30     return 0;
31 }

```