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A #include <bits/stdc++.h>
   #define pb push_back
   #define mp make_pair
   #define all(x) (x).begin(), (x).end()
   #define sz(x) (int)(x).size()
   using namespace std;
   typedef long long ll;

   const int MAXN = (int)1e6 + 5;
   const int MOD = (int)1e9 + 7;
   int a[MAXN];
   int d[MAXN];
   int n;

   int main() {
       ios::sync_with_stdio(0);
       cin.tie(0);

       cin >> n;

       for (int i = 1; i <= n; i++) {
           cin >> a[i];
       }

       sort(a + 1, a + n + 1);
       if (a[n] <= 0) {
           cout << "1\n";
           return 0;
       }

       int t = n;

       while (t > 2 && a[t-2] + a[t-1] > a[t] && a[t-1] > 0) {
           t--;
       }

       d[1] = (int)2e9;
       for (int i = 2; i <= n; i++) {
           d[i] = a[i] - a[i-1];
       }
       vector<pair<int, int>> values;
       for (int i = 1; i <= n; i++) {
           values.pb({d[i], i});
       }
       sort(all(values));
       set<int> S;

       for (int i = 1; i <= n; i++) {
           S.insert(i);
       }
   }

```

```

} int ans = 0;
  int ptr = 0;

  for (int j = 2; j <= n; j++) {
      while (ptr < sz(values) && values[ptr].first < a[j]) {
          S.erase(ptr);
          ptr++;
      }

      int i = *prev(S.lower_bound(
          ans + (j - i)));
      ans += (j - i);
  }

  cout << ans << "\n";
  return 0;
}

```

```

B #include <bits/stdc++.h>
   #define pb push_back
   #define mp make_pair
   #define all(x) (x).begin(), (x).end()
   #define sz(x) (int)(x).size()
   using namespace std;
   typedef long long ll;
   const int MAXN = (int)1e6 + 5;

   // vector<vector<int>> where (MAXN)
   vector<int> where [MAXN];
   int a [MAXN];
   int h;
   int index_lim;
   int fenw_max [MAXN]

```