

```
1  struct custom_hash {
2      static uint64_t splitmix64(uint64_t x) {
3          // http://xorshift.di.unimi.it/splitmix64.c
4          x += 0x9e3779b97f4a7c15;
5          x = (x ^ (x >> 30)) * 0xbf58476d1ce4e5b9;
6          x = (x ^ (x >> 27)) * 0x94d049bb133111eb;
7          return x ^ (x >> 31);
8      }
9
10     size_t operator()(uint64_t x) const {
11         static const uint64_t FIXED_RANDOM =
12             chrono::steady_clock::now().time_since_epoch().count();
13         return splitmix64(x + FIXED_RANDOM);
14     };
15
16     unordered_map<long long, int, custom_hash> safe_map;
17     gp_hash_table<long long, int, custom_hash> safe_hash_table;
```