```cpp
class Max_Clique {
private:
  static int max_clique_rec(const vvi &mx, unordered_map<ll, int> &mp, ll mask) {
    if (mask != 0 && mp[mask] == 0) {
      ll x = mask & -mask;
      int id = int(log2(x));
      int r0 = max_clique_rec(mx, mp, mask ^ x);
      ll y = 0;
      for (int j = id + 1; j < mx[id].size(); ++j) {
        if (mask & (ll(mx[id][j]) << j)) y |= (1LL << j);
      }
      int r1 = max_clique_rec(mx, mp, y) + 1;
      mp[mask] = max(r0, r1);
    }
    return mp[mask];
  }
public:
  // O(n*2^(n/2))
  static int max_clique(const vvi &mx) {
    int n = int(mx.size());
    unordered_map<ll, int> mp;
    return max_clique_rec(mx, mp, (1LL << n) - 1);
  }
};
```