DP

1. Number of ways to form a subset whose sum is
2. : Choose which numbers between and to visit, then the array is the adjacent differences. Ex: .

STL

1. Maintain two multisets: . Each time an integer comes, insert it to .

Then while .

After that, while , do the same operation above.

Median is

1. Maintain a map/set. whether is seen or not.

For :

If

1. Maintain a .