Target Sum

```
class Solution {
public:
    int findTargetSumWays(vector<int> nums, int target) {
      map<pair<int,int>,int> m;

      return findTargetways(nums.size()-1,0,target,&m,&nums);

    }

    int findTargetways(int n,int cur,int target,map<pair<int,int>,int>
*m,vector<int> *nums){
      if (n == -1) return cur == target ? 1 : 0;

      if ((*m).count({n,cur})) return (*m)[{n,cur}];

      return (*m)[{n,cur}] = findTargetways(n-1,cur+(*nums)
[n],target,m,nums) + findTargetways(n-1,cur-(*nums)[n],target,m,nums);
    }
};
```