1. S
2. S
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4. Combination Sum

void solve(int index,vector<int> &arr,int sum, vector<vector<int>> &ans,vector<int> &temp,int tempSum)

{

//Base case

if(tempSum==sum){

ans.push\_back(temp);

return;

}

if(tempSum>sum){

return;

}

for(int i=index;i<arr.size();i++){

tempSum+=arr[i];

temp.push\_back(arr[i]);

solve(i,arr,sum,ans,temp,tempSum);

//Backtracking

tempSum-=arr[i];

temp.pop\_back();

}

}

vector<vector<int> > combinationSum(vector<int> &A, int B) {

vector<vector<int>> ans;

vector<int> temp;

sort(A.begin(),A.end());

A.erase( unique( A.begin(), A.end() ), A.end() );

int tempsum = 0;

solve(0,A,B,ans,temp,tempsum);

return ans;

}