class Solution {

public:

int pivotIndex(vector<int>& nums) {

if(nums.size()==0 || nums.size()==2){

return -1;

}

if(nums.size()==1){

return 0;

}

int leftsum=0,rightsum=0;

for(int i=0;i<nums.size()-1;i++){

if(i==0){

leftsum=0;

}

else{

leftsum+=nums[i-1];

}

rightsum=0;

for(int j=i+1;j<nums.size();j++){

rightsum+=nums[j];

}

if(leftsum==rightsum){

return i;

}

//cout<<leftsum<<" "<<rightsum<<endl;

}

leftsum=0;

for(int i=0;i<nums.size()-1;i++){

leftsum+=nums[i];

}

if(leftsum==0){

return nums.size()-1;

}

return -1;

}

};