class Solution

{

public:

int pivotInteger(int n)

{

int totsum=0;

for(int i=1; i<=n; i++) //calculate total sum

totsum += i;

int presum=0;

for(int i=1; i<=n; i++)

{

presum += i; //calculate prefix sum

if((totsum - presum + i) == presum) //apply condition mentioned in the problem

return i;

}

return -1;

}

};