class Solution {

public:

vector<int> addToArrayForm(vector<int>& A, int K) {

vector<int> v;

int len=A.size();

while(K>0){

int rem=K%10;

K=K/10;

v.push\_back(rem);

}

int len2=v.size();

int carry=0;

if(len>len2){

while(len!=len2){

v.push\_back(0);

len2++;

}

}

else if(len<len2){

while(len!=len2){

A.insert(A.begin(),0);

len++;

}

}

reverse(v.begin(),v.end());

for(int i=len-1;i>=0;i--){

int res=v[i]+A[i]+carry;

v[i]=res%10;

carry=res/10;

}

if(carry>0){

v.insert(v.begin(),carry);

}

return v;

}

};