def pblmReceiver(pblmlist=[[2,2],[-1,2,0],[-1,0]]):  
 #pblmlist: the given form of pblm  
 #numa,numb: the number of a,b  
 #check: for inspector i's j check, if the upper,1,downer,-1,dont,0  
 global numa,numb   
 numa=pblmlist[0][0]  
 numb=pblmlist[0][1]  
 global check  
 check=np.zeros([numb,numa])  
 global oringinCheck  
 oringinCheck=[i[:len(i)-1:] for i in pblmlist[1:]]  
 for i in range(1,numb+1,1):  
 l=len(pblmlist[i])  
 for j in range(0,l,1):  
 v=pblmlist[i][j]  
 absv=np.abs(v)  
 if v!=0:  
 check[i-1][absv-1]= v//absv  
 else:  
 break