function insertionsortlex(string ch[],int n)

for i=1 to n

char temp[1000]

strcpy(temp,ch[i])

int j=i-1

while j >= 0 and strcmp(ch[j],temp)>0)

strcpy(ch[j+1],ch[j])

j--

strcpy(ch[j+1],temp)

for i=0 to n

print(ch[i])

print("\n")

function sumascii(string str,int m)

for i=0 to m

sum=sum+str[i]

return sum

function main()

read(n)

for i=0 to n

read(ch[i])

insertionsortlex(ch,n)

for i=0 to n

k=sumascii(ch[i],m)

if(k%n==0)

print(i)

fin=1

if(fin==0)

print(-1)