program test1

integer a,x,b,d

read(\*,\*)a

if(a>186) then

 x=a-186

 b=int(x/30)

 m=b+6

 d=mod(b,30)

 if(d.EQ.0) then

 d=30

 else

 m=m+1

 endif

 else

 m=a/31

 d=mod(a,31)

 if(d.EQ.0) then

 d=31

 else

 m=m+1

 endif

 endif

 write(\*,\*)d,m

 end