☰   Hello, **2021115001**.

Submission of coprime by 2021115001

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```c
#include <stdio.h>

int main()
{
        signed long int a,b,n,x=0,abs_a,abs_b;
        long int p;
        p=scanf("%ld %ld",&a,&b);
        if(p<0)
        {
                return 1;
        }
        if(a<0)  //taking the absolute values of entered values to compute with
        {
                abs_a=-a;
        }
        else
        {
                abs_a=a;
        }
        if(b<0)
        {
                abs_b=-b;
        }
        else
        {
                abs_b=b;
        }
        if(abs_a==abs_b)  //definitely not co-prime if they are equal
        {
                return 1;
        }
        if(abs_a>abs_b)
        {
                n=abs_b;
                while(n>0)  //running loop to check for every common factor and
                {
                        if(abs_b%n==0)
                        {
                                if(abs_a%n==0)
                                {
```

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```
45                          }
46                  if(x==1)
47                  {
48                          printf("YES");
49                  }
50                  if(x>1)
51                  {
52                          printf("NO");
53                  }
54          }
55      if(abs_a<abs_b)   //*
56      {
57              n=abs_a;
58              while(n>0)   //#
59              {
60                      if(abs_a%n==0)
61                      {
62                              if(abs_b%n==0)
63                              {
64                                      x++;
65                              }
66                      }
67                      n--;
68              }
69              if(x==1)
70              {
71                      printf("YES");
72              }
73              if(x>1)
74              {
75                      printf("NO");
76              }
77          }
78  }
```