Problem 11: No not optimus prime its Coprime..

IPO

Input	Process	Output
Num1 Num2	If the HCF is 1 then the numbers are Coprime For HCF: 1. Find the smaller number 2. Divide both the number by half of the smaller number ● If remainder is zero for both then the numbers are not Coprime ● Else ○ Subtract 1 from divisor Repeat till (divisor > 1) If divisor get 1 then The numbers are Coprime	Whether the two numbers are Coprime or not.

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```
Start
// Input
        Num1
        Num2
// Process
        If
                num1 > num2
                Num2 = a
        Else
                Num1 = a
        End if
        i = a / 2
        While (a > 1) do
                If (num1 % a == 0 && num2 % a == 0) then
                        gcd = a
                        Print “The given numbers are not Coprimes. ”
                        break;
                Else
                        a = a - 1
                End if
        End while
        If (gcd  == 1) then
                Print “The given numbers are Coprimes. ”
        End if
End
```