#3 - Largest Prime Factor
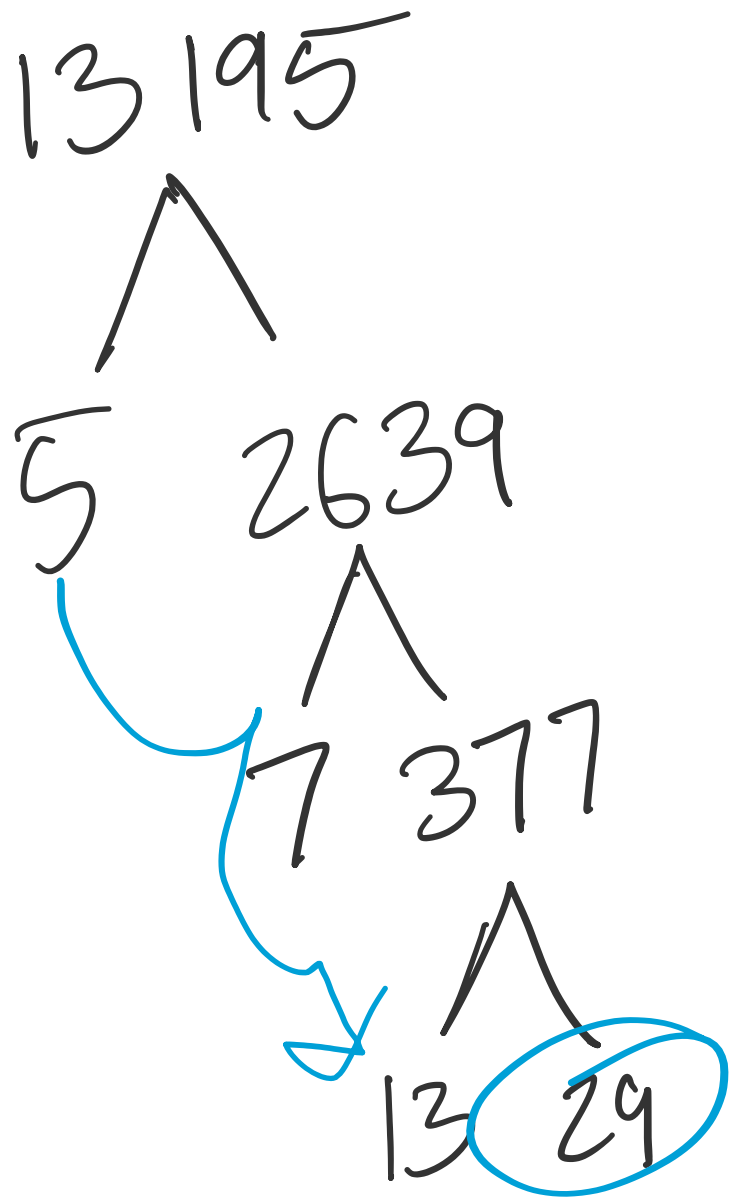
The prime factors of 13195 are 5, 7, 13 and 29.
What is the largest prime factor of the number 600851475143 ?

13195

5   2639

7 377

13 (29)

$max = 600851475143$

while n < max

if n is interger div w/ max

max = max // n

Is divisble (dividend, divisor)

Quotient = dividend / divisor

if quotient · divisor == dividend

return true

false