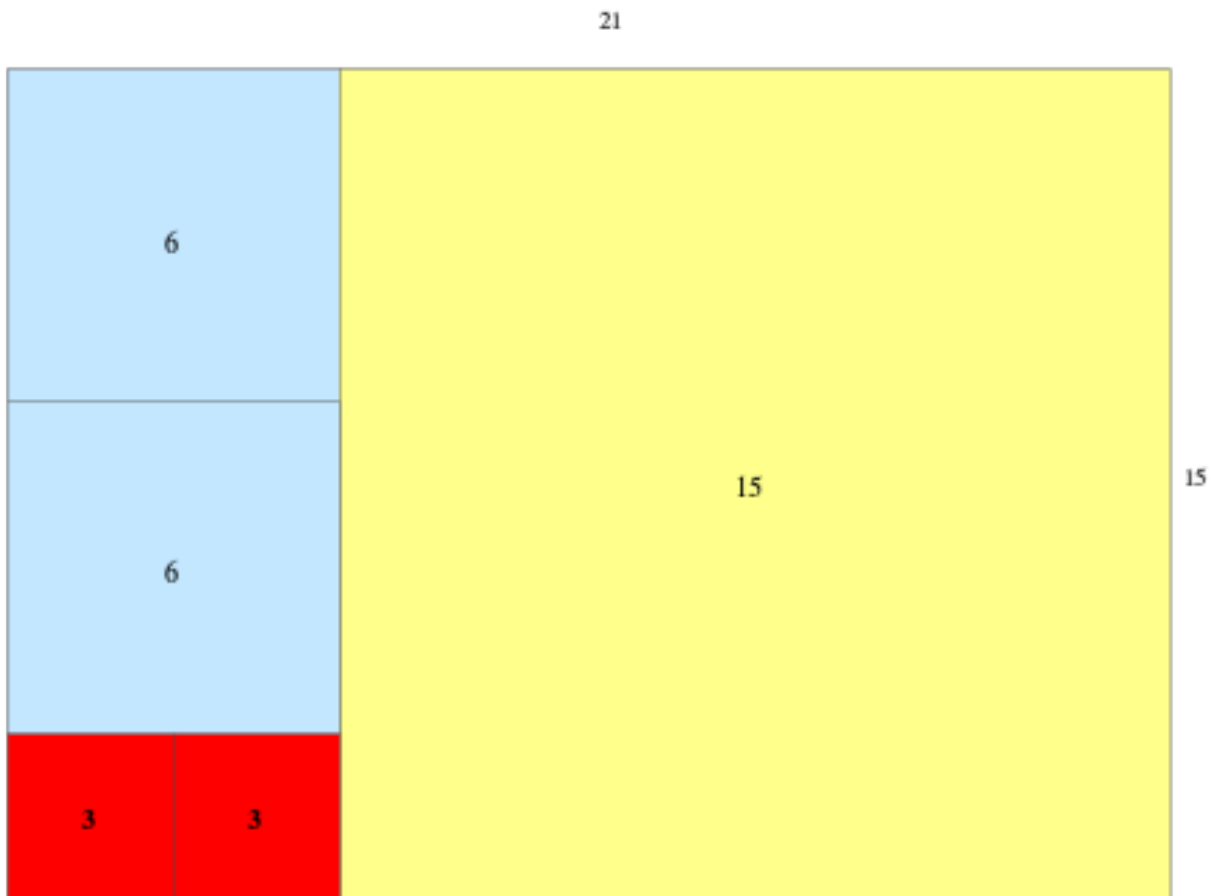


Théorie

explication de l'algo de GCD()

https://fr.wikipedia.org/wiki/Algorithme_d%27Euclide

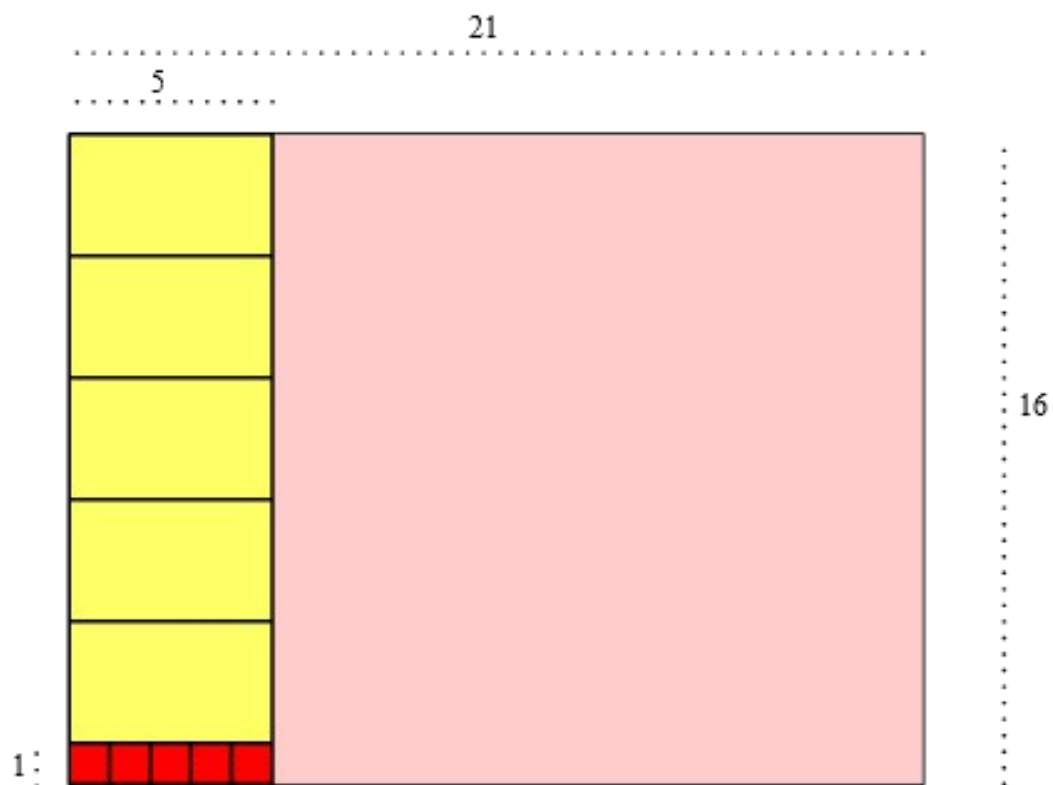


$$21 \% 15 = 6$$

$$15 \% 6 = 3$$

$$6 \% 3 = 0$$

$$\Rightarrow \text{PGCD} = 3$$



```

var r=a%b;
while (r!=0) {
    a=b;
    b=r;
    r=a%b;
}
return b;

a=21 ; b=16 ; r=5
?(r!=0)
    a=16
    b=5
    r=1
?(r!=0)
    a=5;
    b=1
    r=0
?(r!=0)

return 1
  
```