```
public static int gcd(int a, int b) {
   int r = 0;
   while (a % b != 0) {
      r = a % b;
      a = b;
      b = r;
   }//mod check loop
   return b;
}//gcd
gcd(39,24)
```

Cap	R (int)	[/ (in+)	b (in t)
G	C	39	24
(15	24	15
2	9	15	9
3	Cø	9	6
¥	3	6	3
6 % 7 := 0			

returns 3