p1:Print maximum between a and b or "no_maxi" if the numbers are equal.

```
$
def a integer;
def b integer;
def maxi integer;

verif(a>b)
  {maxi <- a;
   print(maxi);
  }
everif(a<b)
 {maxi <- b;
 print(maxi);
 }
else
 print("no_maxi");
$
```

p2:Verify if the sum of a and b is a prime number.

```
$
def a integer;
def b integer;
def sum integer;
def rem integer;
def i;
def answer[20] string;

sum <- a+b;
answer <- "Prime";
Floop(i=2 : <= sum/2){
  rem <- n % i;
  verif(rem == 0)
   answer <- "not prime";


}
print(answer);
$
```

p3:Sum of all proper divisors of a natural number
```
$
def a integer;
def sum integer;
def i integer;
i<-2;
Wloop(i <= a/2){
 verif(a % i == 0)
  sum <- sum + i;
 i <- i+1;
}
```

```
print(sum);
$



p1err:Cmmdc
$
def a integer;
def b integer:

read>>a>>b;

Wloop(a^ != b)
{
 verify(a>b)
  a <- a-b;
 else
  b <- b-1a;
}

print(a);
$
```