

inputFile

```
BEGIN
comment Parser Test
integer n;
logical prime;
prime := true;

comment n is the number to check;
n := 10;
integer i;
i := 0;

while((i * i) < 10)
do i := i + 1;

integer j;
j := 0;
while (j < i and prime = true)
do
    BEGIN
        integer k;
        k := j;
        while(k < n or (k * j) != n)
        do k := k + 1;
        if((k * j) = n)
        then prime := false;
        if((k * j) != n)
        then j := j + 1;
    END;

if prime = true
then write("prime");
if prime = false
then write("composite");

END.
```