

p1:

```
function prime(int a):
  check a == 0:
    return false;
  check a == 1:
    return false;
  go from int d = 2 to a/2:
    check a/d == 0:
      return false;
```

p2:

```
function gcd(int a, int b):
  int small = 0;
  int gcd = 0;
  check a > b:
    small = b;
  otherwise:
    small = a;
  go from int i = 1 to small:
    check a%i == 0 and b%i == 0:
      gcd = i;
  return gcd;
```

p3:

```
function sum(list[int] a):
  int s = 0;
  go from int i = 0 to length(a):
    s = s + a[i];
  return s;
```

plerr:

```
function sum(list[int] a):
  int s = @0;
  go from int li = 0 to length(a):
    s = s + a[li];
  return s;
```

token.in:

```
(
)
[
]
:
;
'
//
function
int
char
string
boolean
length
check
otherwise
go
from
to
return
list
char
read
write
+
-
/
*
=
and
or
<
>
<=
>=
==
<>
%
```