```
x - y;;

let x = 1;;

x - y;;

let y = 2;;

x - y;;

let x = y in x - y;;

x - y;;

z;;

let z = x + y;;

z;;

let x = 5;;

x + y;;

z;;

let y = 5 in x + y;;

x + y;;

let x = x + y in let y = x * y in x + y + z;;

x + y + z;;

function x -> 2 * x;;

(function x -> 2 * x) (2 + 1);;

(function x -> 2 * x) 2 + 1;;

let f = function x -> 2 * x;;

f;;

f (2 + 1);;

f 2 + 1;;

f x;;

let x = 100;;

f x;;

let m = 1000;;

let g = function x -> x + m;;
```

```
g;;

g 3;;

g 3.0;;

let m = 7;;

g 3;;

let istrue = function true -> true;;

istrue;;

istrue (1 < 2);;

istrue (2 < 1);;

istrue 0;;

let iscero_v1 = function 0 -> true;;

iscero_v1 0;;

iscero_v1 0.;;

iscero_v1 1;;

let iscero_v2 = function 0 -> true | _ -> false;;

iscero_v2 0;;

iscero_v2 1;;

iscero_v2 0.;;

let all_to_true = function true -> true | false -> true;;

all_to_true (1 < 2);;

all_to_true (2 < 1);;

all_to_true 0;;

let first_all_to_true = all_to_true;;

let all_to_true = function x -> true;;

all_to_true (1 < 2);;

all_to_true (2 < 1);;

all_to_true 0;;

first_all_to_true 0;;
```