```
1    # if_test.bo;
2
3    define if_test(integer a) -> void {
4        print(a); print(": ");
5        if [0 <= a < 5] {
6            println(' in [0, 4].');
7        }
8        else if [5 < a < 10] {
9            println(' in [6, 9].');
10       }
11       else {
12           print(' [-inf, -1] U {5}');
13           println(' U [10, +inf].');
14       }
15   }
16
17   integer i;
18   i : -1;
19   while [i <= 10] {
20       if_test(i);
21       i : i + 1;
22   }
```

```
zb@ubuntu: ~/cpp_projects/BO_LANG/main/test
zb@ubuntu:~/cpp_projects/BO_LANG/mai
zb@ubuntu:~/cpp_projects/BO_LANG/mai
-1:   [-inf, -1] U {5} U [10, +inf].
0:    in [0, 4].
1:    in [0, 4].
2:    in [0, 4].
3:    in [0, 4].
4:    in [0, 4].
5:    [-inf, -1] U {5} U [10, +inf].
6:    in [6, 9].
7:    in [6, 9].
8:    in [6, 9].
9:    in [6, 9].
10:   [-inf, -1] U {5} U [10, +inf].
zb@ubuntu:~/cpp_projects/BO_LANG/mai
```