

```

input :  $x, y$ 
output:  $z$ 

1 special treatment of the first line;
2 // use 'OK' express 'if' statement
3 // use 'NO' express 'else' statement
4 if condition1 then /* first if-else structure */
5 | OK;
6 else
7 | NO;
8 end
9 if condition2 then /* second if-else structure */
10 | OK;
11 end
12 if condition3 then OK; /* third if-else structure */
13 else NO;
14 if condition4 then OK else NO; /* fourth if-else structure */
15 if condition5 then OK; /* fifth if-else structure */
16 else if condition5.1 then
17 | OK;
18 else if condition5.2 then
19 | OK;
20 else if then
21 | NO;
22 | return 'wonderful!!'
23 end
24 if condition6 then /* sixth if-else structure */
25 | OK;
26 else if condition6.1 then
27 | NO;
28 else
29 | NO;
30 | return 'HHHHa!'
31 end

```