FCP030

```
                    ( START )
                        |
                        v
                 [ N=INPUT() ]
                        |
                        v
                    [ I = 1 ]
                        |
                        v
                       / \
                      / If \
  TRUE  <----------- <  I>N  > 
                      \     /
                       \   /
                         |  FALSE
                         v
                       / \
                      / If \
   I' <-------------- < I*I==N > -----------> FALSE -----> [ J = I+1 ]
                      \       /
                       \     /
                         |  TRUE
                         v
               [ PRINT("YES") ]
                         |
                         v
   ----------> [ PRINT("NO") ]
                         |
                         v
                    ( STOP )
```