```
 1 (deffact inicio
 2 (H)
 3 (K)
 4 )
 5
 6 (defrule r1
 7 (and (A) (not (D)))
 8 =>
 9 (assert(E))
10 )
11
12 (defrule r2
13 (and (B) (not (D)))
14 =>
15 (assert(D))
16 )
17
18 (defrule r3
19 (and (H) (not (D)))
20 =>
21 (assert(A))
22 )
23
24 (defrule r4
25 (and (and (E) (G)) (not (D)))
26 =>
27 (assert(C))
28 )
29
30 (defrule r5
31 (and (and (E) (K)) (not (D)))
32 =>
33 (assert(B))
34 )
35
36 (defrule r6
37 (and (and (and (D) (E)) (K)) (not (D)))
38 =>
39 (assert(C))
40 )
41
42 (defrule r7
43 (and (and (and (G) (K)) (F)) (not (D)))
44 =>
45 (assert(A))
46 )
47
48 (defrule rf
49 (D)
50 =>
51 (assert(Hecho D esta activado))
52 )
```