```
4. IF (year mod 100: 0 mod 400: 1+04)

THEN REMOVE 1

ADD (has Days days: 365)

5. IF (year mod 400:0)

THEN REMOVE 1

ADD (has Days days: 366)
 wm (hesbays days-365)
  All conditions one disjoint, so one rule fines et a time.
 Example 6 - compute the greatest common factor of two integers.
        if a>b then gcf(a,b) = gcf(a-b,b)
else gcf(a,b) = gcf(a,b-a)
         gcf(o,a) = gcf(a,o) = a
   wm [ (gcf val1:6 val2:9)
        [1. if (gcf vall:0 val2:0)

THEN REMOVE 1

ADD (res vall:0)

2. if (gcf vall:0 val2:4+04)
                 (gcf valz:x)
Rules 3. similar to 2, for val 1: 4 + 04 and val 2:0
          4. if (gcf vol1: {+0} vol2: {+0})
```

4. if (gcf val1: {+0} val2: {+0})
(gcf val1: a val2:b)
(gcf val1: {7b})
THEN MODIFY 2 (val1 [a-b])

5. similar to 4, for a < b.

WM [ (res val:3).

All conditions are disjoint, one rule fires at a time.