Intermediate representation…..

:WK:aa:DY:b:ID:ccccc:GR:ddd:DT:e:XW:ff:FY:g

a=week 00 to 39

b= day 0 to 6

c= driver ID

d=group ID

e=duty number

f=expires week (00 to 39)

g=final year (0-false,1-true)

Natural language

driver 123 must not be in week 23 day 2

EBT drivers must not be in week 28

driver 456 must be in week 23

(<OBJECT>) (must be | must not be) in (<slot>)

<object> =

driver <id> | group <group>

<slot> =

Week <int> | day <int> | week <int> day <int>