



NOMBRE: David Israel Leon

SEMAFORO

```
(defrule tipo-robot-regla
```

```
(initial-fact)
```

```
=>
```

```
(printout t "INGRESE TIPO ROBOT 1 (peaton/carro)? " crlf)
```

```
(assert (tipo-robot (read))))
```

```
)
```

```
(defrule semaforo-tipo
```

```
(or (tipo-robot peaton) (tipo-robot carro))
```

```
=>
```

```
(printout t "Ingrese color del semaforo" crlf)
```

```
(printout t "rojo/verde/amarillo" crlf)
```

```
(assert (semaforo (read))))
```

```
)
```

```
(defrule pasar
```

```
(tipo-robot ?tipo)
```

```
(or (and (tipo-robot carro) (semaforo verde)) (and (tipo-robot peaton) (semaforo rojo))))
```

=>

```
(printout t "El robot " ?tipo " puede pasar" crlf)  
  
)
```

```
(defrule precaucion
```

```
(tipo-robot ?tipo)
```

```
(semaforo amarillo)
```

=>

```
(printout t "El robot " ?tipo " pasar con precaucion " crlf)  
  
)
```

```
(defrule esperar
```

```
(tipo-robot ?tipo)
```

```
(or (and (tipo-robot carro) (semaforo rojo)) (and (tipo-robot peaton) (semaforo verde)))
```

=>

```
(printout t "El robot " ?tipo " no puede pasar debe esperar" crlf)  
  
)
```