

```

┌────────────────── MODULE semaphore ───────────────────┐

VARIABLE color

TypeOK  $\triangleq$  color  $\in$  ("red", "green", "yellow")

Init  $\triangleq$  color = "red"

TurnGreen  $\triangleq$  TRUE
TurnYellow  $\triangleq$  TRUE
TurnRed  $\triangleq$  TRUE

Next  $\triangleq$  TurnGreen  $\vee$  TurnYellow  $\vee$  TurnRed

└──────────────────────────────────────────────────────────┘

```