```
actor merge ()
in (i1:int)
in (i2:int)
out (o:int)

var s : bool = false
rules

Local variables
declarations
rules

| (s:false, i1:v) => (o:v, s:true) | Rules
```

(s:false, i1:v) -> (o:v, s:true) (s: true, i2:v) -> (o:v, s:false)