

1 Grammar Sets

- Global Variables: $\{x, y\}$
- Local Variables for Thread t1 : $\{r1\}$
- Local Variables for Thread t2 : $\{r2\}$
- Value Set for Thread t1 : $\{0, 1\}$

2 Configuration

thread t1	thread t2
(i1)create 0 (i2)write x (i3)write $y \rightarrow \{t2\}$ (i4)read x (i5)write r1 (i6)create 1 (i7)write y	(i8)read y (i9)write r2 (i10)read r2 (i11)write x

3 Properties

thread t1	thread t2
(i1) $\{0\}$ (i2) $\{0\}$ (i3) $\{0\}$ (i4) $\{0, 1\} \leftarrow \{i2, i11\}$ (i5) $\{0, 1\}$ (i6) $\{1\}$ (i7) $\{1\}$	(i8) $\{0, 1\} \leftarrow \{i3, i7\}$ (i9) $\{0, 1\}$ (i10) $\{0, 1\} \leftarrow \{i9\}$ (i11) $\{0, 1\}$