

1 Grammar Sets

- Global Variables: $\{a, b\}$
- Local Variables for Thread t1 : $\{r2\}$
- Local Variables for Thread t2 : $\{r1\}$
- Value Set for Thread t1 : $\{0, 1\}$
- Value Set for Thread t2 : $\{2\}$

2 Configuration

thread t1	thread t2
(i1)create 0 (i2)write a (i3)create 0 (i4)write b $\rightarrow \{t2\}$ (i5)create 1 (i6)write b (i7)read a (i8)write r2	(i9)read b (i10)write r1 (i11)create 2 (i12)write a

3 Properties

thread t1	thread t2
(i1) $\{0\}$ (i2) $\{0\}$ (i3) $\{0\}$ (i4) $\{0\}$ (i5) $\{1\}$ (i6) $\{1\}$ (i7) $\{0, 2\} \leftarrow \{i2, i12\}$ (i8) $\{0, 2\}$	(i9) $\{0, 1\} \leftarrow \{i4, i6\}$ (i10) $\{0, 1\}$ (i11) $\{2\}$ (i12) $\{2\}$