

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

3 Properties

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