

1 Grammar Sets

- Global Variables: $\{x, y\}$
- Local Variables for Thread t1 : $\{z, r3, r1\}$
- Local Variables for Thread t2 : $\{r2\}$
- Value Set for Thread t1 : $\{0\}$

2 Configuration

thread t1	thread t2
(i1)create 0 (i2)write x (i3)write y (i4)write $z \rightarrow \{t2\}$ (i5)read x (i6)write r3 (i12)read x (i13)write r1 (i14)read r1 (i15)write y	(i16)read y (i17)write r2 (i18)read r2 (i19)write x

3 Properties

thread t1	thread t2
(i1) $\{0\}$ (i2) $\{0\}$ (i3) $\{0\}$ (i4) $\{0\}$ (i5) $\{0\} \leftarrow \{i2, i19\}$ (i6) $\{0\}$ (i12) $\{0\} \leftarrow \{i2\}$ (i13) $\{0\}$ (i14) $\{0\} \leftarrow \{i13\}$ (i15) $\{0\}$	(i16) $\{0\} \leftarrow \{i3\}$ (i17) $\{0\}$ (i18) $\{0\} \leftarrow \{i17\}$ (i19) $\{0\}$