

1 Grammar Sets

- Global Variables: {a,b}
- Local Variables for Thread t1 : {r1,r2}
- Local Variables for Thread t2 : {r3}
- Value Set for Thread t1 : {0,1,2}

2 Configuration

thread t1	thread t2
(i1)create 0	(i14)read b
(i2)write a	(i15)write r3
(i3)create 1	(i16)read r3
(i4)write b→ {t2}	(i17)write a
(i5)read a	
(i6)write r1	
(i7)read a	
(i8)write r2	
(i9)read r1	
(i10)if(r2)	
(i11)create 2	
(i12)write b	
(i13)fi	

3 Properties

thread t1	thread t2
(i1){0}	(i14){1,2} ← {i4,i12}
(i2){0}	(i15){1,2}
(i3){1}	(i16){1,2} ← {i15}
(i4){1}	(i17){1,2}
(i5){0,1,2} ← {i2,i17}	
(i6){0,1,2}	
(i7){0,1,2} ← {i2,i17}	
(i8){0,1,2}	
(i9){0,1,2} ← {i6}	
(i10){0,1,2}	
(i11){2}	
(i12){2}	
(i13){2}	