

# 1 Grammar Sets

- Global Variables:  $\{f, f.x, f.y\}$
- Local Variables for Thread t2 :  $\{i, j\}$
- Value Set for Thread t1 :  $\{3, 4\}$
- Offsets for Object o1 :  $\{x, y\}$

# 2 Configuration

thread t1	thread t2
(i1)create o1(x=0,y=0)	(i7)read f.x
(i2)write f	(i8)write i
(i3)create 3	(i9)read f.y
(i4)write f.x	(i10)write j
(i5)create 4	
(i6)write f.y	

# 3 Properties

thread t1	thread t2
(i1){o1(x=0,y=0)}	(i7){3,0} ← {i2,i4}
(i2){o1(x=0,y=0)}	(i8){3,0}
(i3){3}	(i9){4,0} ← {i2,i6}
(i4){3}	(i10){4,0}
(i5){4}	
(i6){4}	