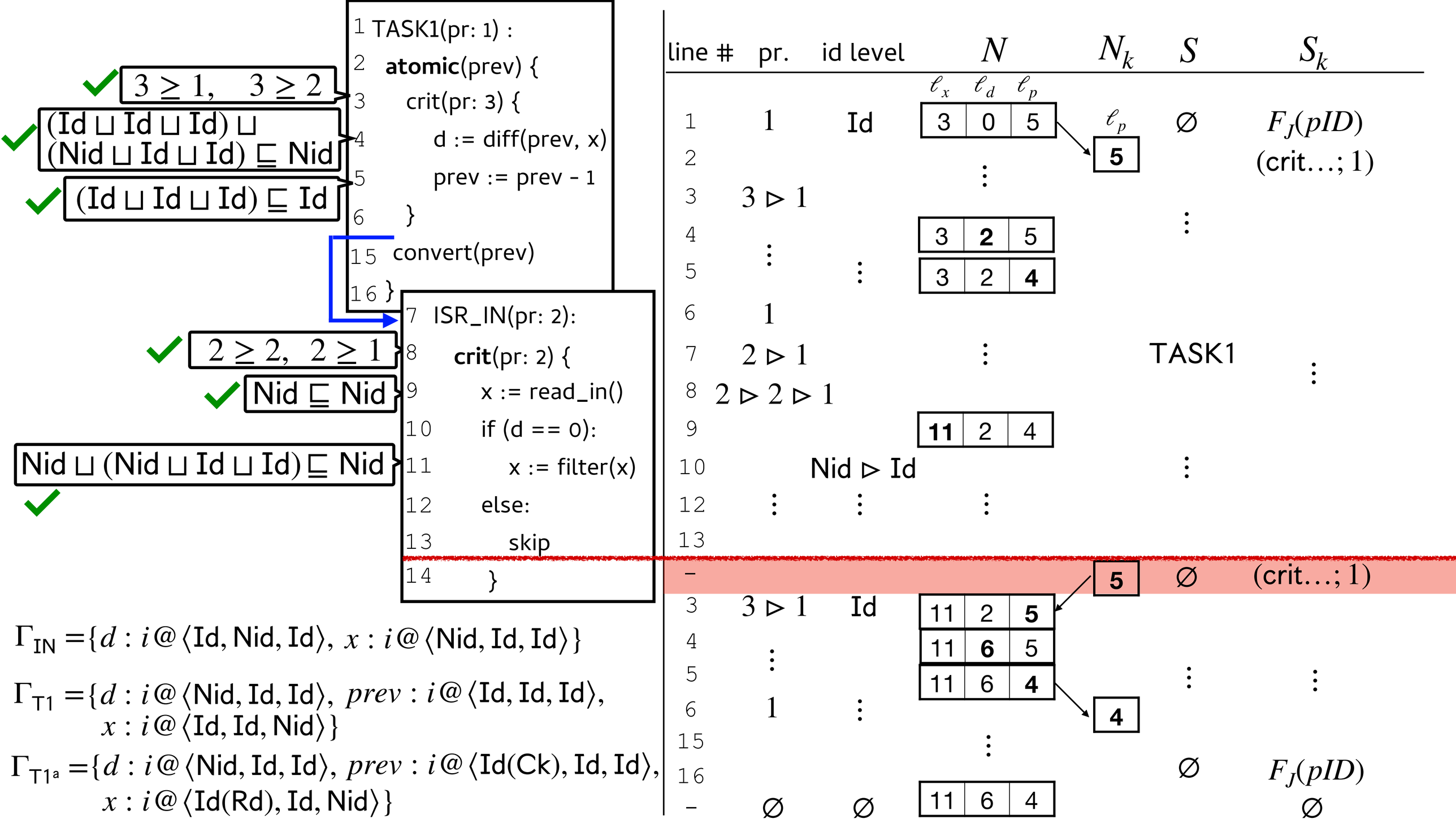
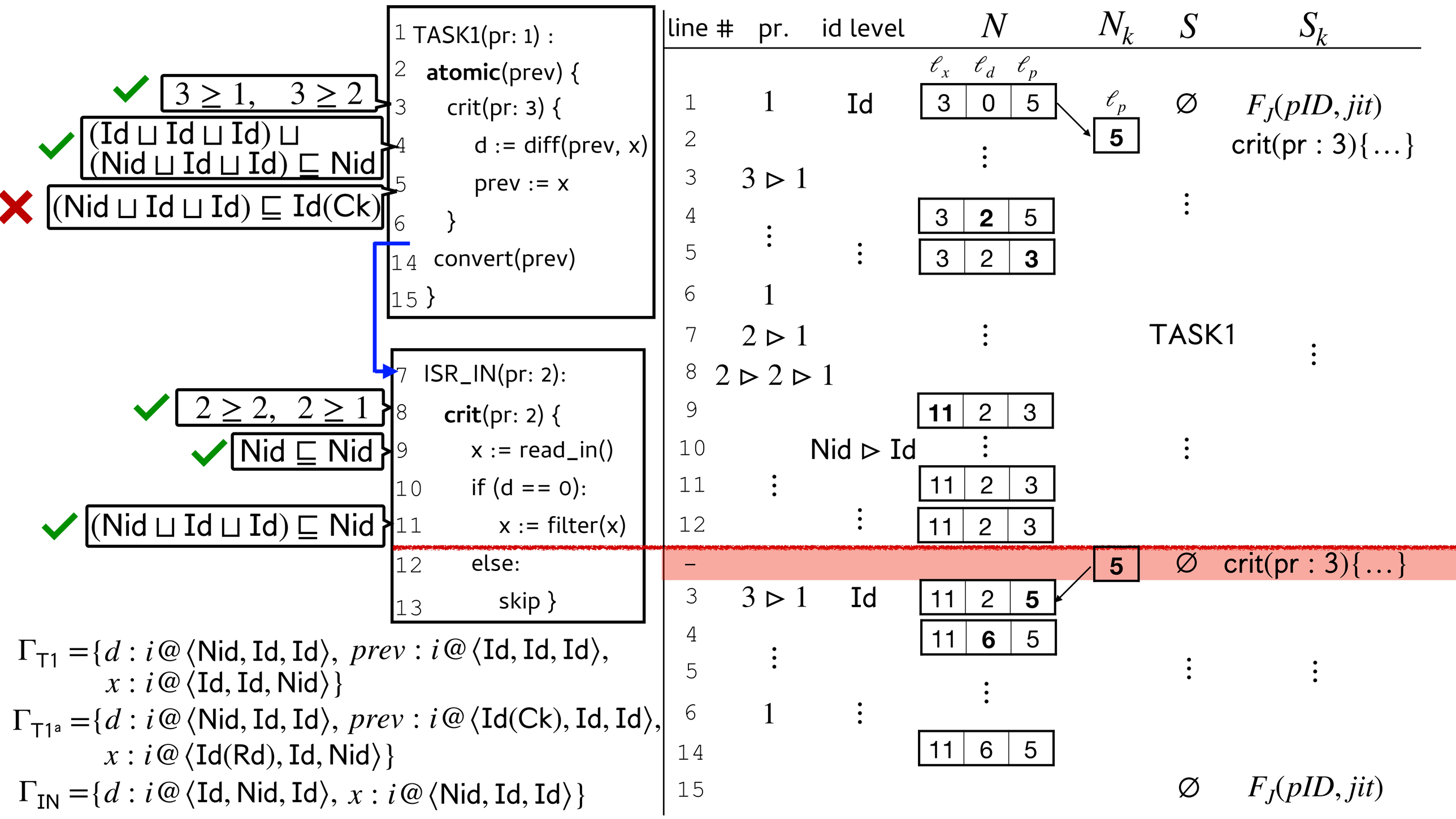

1 TASK1(pr: 1) :
2 atomic(prev) {
3 crit(pr: 3) {
4 d := diff(prev, x)
5 prev := prev - 1
6 }
15 convert(prev)
16 }
7 ISR_IN(pr: 2):
8 crit(pr: 2) {
9 x := read_in()
10 if (d == 0):
11 x := filter(x)
12 else:
13 skip
14 }
3 ≥ 1, 3 ≥ 2
(Id ⊔ Id ⊔ Id) ⊔ (Nid ⊔ Id ⊔ Id) ⊑ Nid
(Id ⊔ Id ⊔ Id) ⊑ Id
2 ≥ 2, 2 ≥ 1
Nid ⊑ Nid
Nid ⊔ (Nid ⊔ Id ⊔ Id) ⊑ Nid
line # pr. id level N N_k S S_k
ℓ_x ℓ_d ℓ_p
1 1 Id 3 0 5 ℓ_p 5 ∅ F_J(pID)
2 (crit…; 1)
3 3 ▷ 1
4 3 2 5
5 3 2 4
6 1
7 2 ▷ 1 TASK1
8 2 ▷ 2 ▷ 1
9 11 2 4
10 Nid ▷ Id
12
13
– 5 ∅ (crit…; 1)
3 3 ▷ 1 Id 11 2 5
4 11 6 5
5 11 6 4
6 1 4
15
16 ∅ F_J(pID)
– ∅ ∅ 11 6 4 ∅
Γ_IN = {d : i@⟨Id, Nid, Id⟩, x : i@⟨Nid, Id, Id⟩}
Γ_T1 = {d : i@⟨Nid, Id, Id⟩, prev : i@⟨Id, Id, Id⟩, x : i@⟨Id, Id, Nid⟩}
Γ_T1a = {d : i@⟨Nid, Id, Id⟩, prev : i@⟨Id(Ck), Id, Id⟩, x : i@⟨Id(Rd), Id, Nid⟩}


1 TASK1(pr: 1) :
2 atomic(prev) {
3 crit(pr: 3) {
4 d := diff(prev, x)
5 prev := x
6 }
14 convert(prev)
15 }
7 ISR_IN(pr: 2):
8 crit(pr: 2) {
9 x := read_in()
10 if (d == 0):
11 x := filter(x)
12 else:
13 skip }
3 ≥ 1, 3 ≥ 2
(Id ⊔ Id ⊔ Id) ⊔ (Nid ⊔ Id ⊔ Id) ⊑ Nid
(Nid ⊔ Id ⊔ Id) ⊑ Id(Ck)
2 ≥ 2, 2 ≥ 1
Nid ⊑ Nid
(Nid ⊔ Id ⊔ Id) ⊑ Nid
Γ_T1 = {d : i@⟨Nid, Id, Id⟩, prev : i@⟨Id, Id, Id⟩, x : i@⟨Id, Id, Nid⟩}
Γ_T1a = {d : i@⟨Nid, Id, Id⟩, prev : i@⟨Id(Ck), Id, Id⟩, x : i@⟨Id(Rd), Id, Nid⟩}
Γ_IN = {d : i@⟨Id, Nid, Id⟩, x : i@⟨Nid, Id, Id⟩}
line # pr. id level
N
N_k
S
S_k
ℓ_x ℓ_d ℓ_p
1 1 Id 3 0 5 ℓ_p 5 ∅ F_J(pID, jit)
2 crit(pr : 3){…}
3 3 ▷ 1
4 3 2 5
5 3 2 3
6 1
7 2 ▷ 1 TASK1
8 2 ▷ 2 ▷ 1
9 11 2 3
10 Nid ▷ Id
11 11 2 3
12 11 2 3
– 5 ∅ crit(pr : 3){…}
3 3 ▷ 1 Id 11 2 5
4 11 6 5
5
6 1
14 11 6 5
15 ∅ F_J(pID, jit)