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0: N_1(x) /\ N_2(y) |- Q_1(x,y) (N L.Unf.) [1,2]
  1: N_1(x) /\ N_3(0) |- Q_1(x,0) (Q R.Unf.) [3]
    3: N_1(x) /\ N_3(0) |- T (Id)
  2: N_1(x) /\ N_2(z) /\ N_3(s(z)) |- Q_1(x,s(z)) (Q R.Unf.) [4]
    4: N_1(x) /\ N_2(z) /\ N_3(s(z)) |- Q_1(x,z) /\ P_2(x) (R.And) [5,6]
      5: N_1(x) /\ N_2(z) /\ N_3(s(z)) |- Q_1(x,z) (Weaken) [7]
        7: N_1(x) /\ N_2(z) |- Q_1(x,z) (Subst) [8]
          8: N_1(x) /\ N_2(y) |- Q_1(x,y) (Back1) [0]
        6: N_1(x) /\ N_2(z) /\ N_3(s(z)) |- P_2(x) (N L.Unf.) [9,10]
          9: N_2(z) /\ N_3(s(z)) /\ N_4(0) |- P_2(0) (P R.Unf.) [11]
            11: N_2(z) /\ N_3(s(z)) /\ N_4(0) |- T (Id)
          10: N_1(y) /\ N_2(z) /\ N_3(s(z)) /\ N_4(s(y)) |- P_2(s(y)) (P R.Unf.) [12]
            12: N_1(y) /\ N_2(z) /\ N_3(s(z)) /\ N_4(s(y)) |- P_1(y) /\ Q_2(y,s(y)) (N L.Unf.) [13,14]
              13: s(y)=0 /\ N_1(y) /\ N_2(z) /\ N_3(s(z)) /\ N_5(s(y)) |- P_1(y) /\ Q_2(y,s(y)) (Ex Falso)
              14: N_1(y) /\ N_2(z) /\ N_3(s(z)) /\ N_4(y) /\ N_5(s(y)) |- P_1(y) /\ Q_2(y,s(y)) (Q R.Unf.) [15]
                15: N_1(y) /\ N_2(z) /\ N_3(s(z)) /\ N_4(y) /\ N_5(s(y)) |- P_1(y) /\ Q_1(y,y) /\ P_2(y) (Weaken) [16]
                  16: N_1(y) /\ N_2(y) /\ N_3(s(y)) |- Q_1(y,y) /\ P_2(y) (Subst) [17]
                    17: N_1(x) /\ N_2(z) /\ N_3(s(z)) |- Q_1(x,z) /\ P_2(x) (Back1) [4]

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Miss !!!

Root list: 4, 0

Measures proposed for the roots in cycles:

4: [2, 3, 1, 1, 2]

0: [2, 1, 1, 2]

Checking the link of IAAs from buds to roots:

17 to 4: | 1 -> 1 [true] | 2 -> 1 [true] | 3 -> 1 [false] ==> true

8 to 4: | 1 -> 1 [false] | 2 -> 2 [false] ==> true

The proof has succeeded