0. i) [2, 3, 4, 6, 2]
   ii) [2, 3, 5, 6, 2]
   iii) [3, 4, 6, 2, 3]
   iv) [3, 5, 6, 2, 3]
   v) [4, 6, 2, 3, 4]
   vi) [5, 6, 2, 3, 5]
   vii) [6, 2, 3, 4, 6]
   viii) [6, 2, 3, 5, 6]
1. [2, 3, 4, 6, 2], [3, 4, 6, 2, ,3], [4, 6, 2, 3, 4], [5, 6, 2, 3, 5], [6, 2, 3, 4, 6].
2. [1, 2, 3, 4, 6, 2, 3, 4, 6, 2, 3, 5, 6, 2, 3, 5, 6, 2, 7]
3. Yes, the test suite is adequate for both simple and complete round trip criterion as it satisfies the requirements.
4. i) def(x) in 1 – use(x) in 7   [1, 2, 7]
   ii) def(y) in 1 – use(y) in [2, 3]   [1, 2, 3]
   iii) def(x) in 4 – use(x) in [2, 3]   [4, 6, 2, 3]
   iv) def(y) in 5 – use(y) in [2, 3]   [5, 6, 2, 7]
5. [1, 2, 7], [1, 2, 3, 4, 6, 2, 3, 5, 6, 2, 7]
6. i) def(x) in 1 – use(x) in [7]   [1, 2, 7]
   ii) def(x) in 1 – use(x) in [2, 3]   [1, 2, 3]
   iii) def(x) in 1 – use(x) in [4]   [1, 2, 3, 4]
   iv) def(x) in 1 – use(x) in [5]   [1, 2, 3, 5]

   v) def(y) in 1 – use(y) in [7]   [1, 2, 7]
   vi) def(y) in 1 – use(y) in [2, 3]   [1, 2, 3]
   vii) def(y) in 1 – use(y) in [4]   [1, 2, 3, 4]
   viii) def(y) in 1 – use(y) in [5]   [1, 2, 3, 5]

   ix) def(x) in 4 – use(x) in [7]   [4, 6, 2, 7]
   x) def(x) in 4 – use(x) in [2, 3]   [4, 6, 2, 3]
   xi) def(x) in 4 – use(x) in [4]   [4, 6, 2, 3, 4]
   xii) def(x) in 4 – use(x) in [5]   [4, 6, 2, 3, 5]

   xiii) def(y) in 5 – use(y) in [7]   [5, 6, 2, 7]
   xiv) def(y) in 5 – use(y) in [2, 3]   [5, 6, 2, 3]
   xv) def(y) in 5 – use(y) in [4]   [5, 6, 2, 3, 4]
   xvi) def(y) in 5 – use(y) in [5]   [5, 6, 2, 3, 5]
7. [1, 2, 7], [1, 2, 3, 4, 6, 2, 3, 4, 6, 2, 7], [1, 2, 3, 5, 6, 2, 3, 5, 6, 2, 7], [1, 2, 3, 4, 6, 2, 3, 5, 6, 2, 3, 4, 6, 2, 7]
8. Since each DU pair only has one DU path, the requirements are the same question 6.
9. Same as question 7 since requirements are the same.

10.

(2) def(n)

(4) →T use(n)→ (5)

F use(n)

(6) def(answer)

(7) def(frac)

(8)

(9) →F use(n)→ (23) → (24)

T use(n)

(11) →T use(answer)→ (12) → (24)

F use(answer)

(14) use(n) def(b)

(15) use(b) [T] / use(b) [F]

(16) def(answer) / (19) def(answer)

(17) use(b) def(n) / (20) use(b) def(n)

(21)

(22)