Q1:

ITFs : Airport connection check, check whether two flights
      from a valid connections.

Situation1: The functions are correctly implemented. The valid code
      is 0 (OK) and the Arriving Flight and departing flight
      make a valid connection, the time between arrival and
      depature is sufficient. ITF Valid

Situation 2: The functions are correctly implemented but the connect
      situation doesn't satisfy. The Arriving Flight and departing
      flight are not make a valid connection OR the time between
      arrival and depature is not sufficient. ITF Invalid

Situation 3: The function are not correctly implemented. It repns
      the wrong signals or outputs. The arriving Flight and depature
      flight make a valid connection but the time between arrival
      and depature is not long enough. It should be invalid but
      reports valid. So it is ITF Error.

Q3: ITF Invalid:

   Input parameter: A unique flight code,
                          originating airport code,
                          depature time
                          arrival time
                          destination airport code,
   Environmene : Airport database.
   Explanacio: The unique flight code, originating airport

and destination airport code are correct.
But the time between departure time and
arrival time are not long enough for customer.
It will output invalid 15 :

15: Invalid connection, too short, There is insufficient time
between arrival of first flight and departure of second
flight

Q4: The unique flight code, arriving airport code and
destination airport are correct. The transfer
time is not sufficient.

sufficient ⟶ OK

Transfer time

⟶ insufficient

departure time too early   departure time = arrival time
early than arrival time   (invalid: Code 15)
(invalid: Code 15)

Q5: Unique Flight Code: UFC
Arrival Airport Code: AAC
Departure Airport Code: DAC

Departure time :   DT
Arrival   Time :   AT

If DT > AT & sufficient =   Valid Connection:
                                        code 0

If DT < AT   : Invalid Connection & Code 15

If DT = AT   : Invalid Connection Code 15

Constraint: If UFC ,AAC ,DAC are correct

Q6: Same as Q5 but in details
    for example :

UFC: LHR 7629
AAC   :   EWR
DAC :   LHR
DT: 15:00
Flight Time: 10 hours
AT :   16:00

The time between arrival and departure is not
    sufficient.