5- Obtain user equilibrium (UE) for the following network by using the provided time

Functions. The formula showing the time function is:

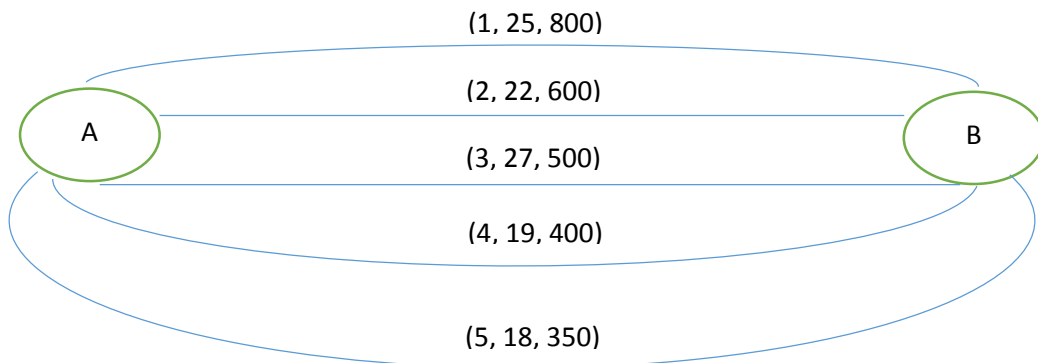$$T = T_0 \left[1 + 0.15(\frac{V}{C})^4\right]$$

Where:

T= congested link travel time

T_0= original link (free flow) travel time

V= assigned traffic volume

C= the link capacity

T The link number, free flow time (T_0), and saturation flow rate (C) for respective links

are shown above each link.

(1, 25, 800)

(2, 22, 600)

A   B

(3, 27, 500)

(4, 19, 400)

(5, 18, 350)

If total of 1200 vehicles are travelling from A to B, obtain the user equilibrum travel time

For the provided problem.