How Original PTM decide route selection:

Assume 3 branch junctions:

Route 1 (r1): flow1 (f1) = 10,

Route 2 (r2): flow2 (f2) = 30,

Route 3 (r3): flow3 (f3) = 60,

total flow (tf) = f1 + f2 + f3 = 100

if random number (rn) = 0.05, tf = rn\*tf = 5

f1 > tf, r1 selected

if random number (rn) = 0.1, tf = rn\*tf = 10

f1+f2 > tf, r2 selected

if random number (rn) = 0.3, tf = rn\*tf = 30

f1+f2 > tf, r2 selected

if random number (rn) = 0.5, tf = rn\*tf = 50

f1+f2 +f3> tf, r3 selected

if random number (rn) = 0.6, tf = rn\*tf = 60

f1+f2 +f3> tf, r3 selected