Math for DHADVTKV

July 1, 2019

1 2PC

$$bestTT = \frac{\#P(H+16)}{bandwidth} + s + l + \frac{\#P(H+1064)}{bandwidth} + \#P * s + l$$

$$+ \frac{\#P(H+1080)}{bandwidth} + s + l + \frac{\#P(H+9)}{bandwidth} + \#P * s + l$$

$$+ \frac{\#P(H+33)}{bandwidth} + s + l + \frac{\#P(H)}{bandwidth} + \#P * s + l$$

$$= 6l + 3s(\#P+1) + \frac{6 * \#P * H + 2202 * \#P}{bandwidth}$$
(1)

avgUsedBandwidth = #P(H+16) + #P(H+1064)+ #P(H+1080) + #P(H+9)+ #P(H+33) + #P(H)= 6 * #P * H + 2202 * #P(2)

2 TSB

$$bestTT = \frac{\#P(H+16)}{bandwidth} + s + l + \frac{\#P(H+1064)}{bandwidth} + \#P * s + l$$

$$+ \frac{\#P(H+1092)}{bandwidth} + s + l + \frac{\#P(H+57*batchSize)}{bandwidth} + \#P * s + l$$

$$+ \frac{H+17}{bandwidth} + s + l \frac{\#P(H+25*batchSize)}{bandwidth} + s + l$$

$$= 6l + 2s(2 + \#P) + \frac{H(1+5*\#P) + \#P(2172 + 82*batchSize) + 17}{bandwidth}$$
(3)

$$avgUsedBandwidth = \#P(H+16) + \#P(H+1064) + \#P(H+1092) + \#P(H/batchSize + 57) + H+17 + \#P(H/batchSize + 25) = \#P*H(3+2/batchSize) + 2254*\#P + H + 17$$

$$(4)$$