Collective Calle:

MPL Beast! broadeast

Bruteforce:

if (800t)

I for (iz 1 to p)

I send (m)

to i

else // root a root

recu from \$\phi\$

Alternative Approach:

#-Ismestep

to $t = \emptyset$ $t = \emptyset$

= \$\phi \ (message : on bytes)
root

MPI: Collectives

Tuesday, September 18, 2018 11:47 AM

Broadcast (analysis)

#timesteps = lg p

Af each time step:

cost = (+ \mu M)

=> Total fine = (C+pm) los

C: latercy

L: inv. band

width

comm. time

= (+ pm

laterey (fransfer)

MPI: Collectives

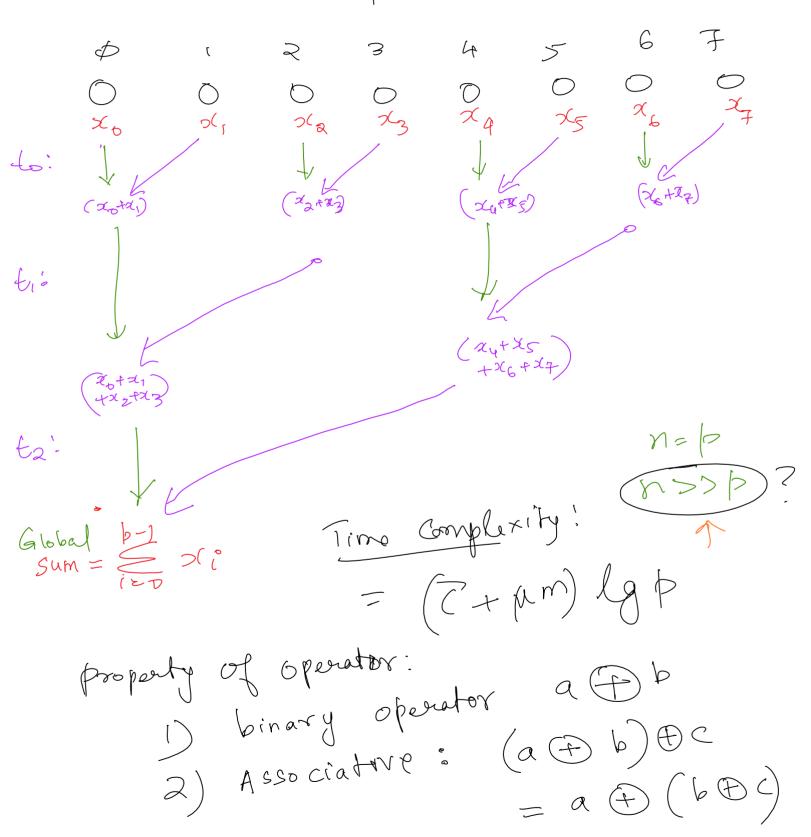
Tuesday, September 18, 2018

11:47 AN

MPL Reduce!

Precondition: Proc i has I number

Postcondition: Proc & has the sum



Tuesday, September 18, 2018 11:47 AM

スのナスノナスタナスタ