

Step 1: Step 2:

3-28

Step 3:

4 → 16 + 16 : 4+2 = 6 4 8

8->16+16:8+4

 $12 \rightarrow \frac{16 + 16 + 16 : 8 + 4 + 2 = 14}{2}$

8→12 Step 4:

8-> 16+16 = 8+2=10

 $4 \rightarrow 16 + 16 : 441 = 5$

3 → 16 :8

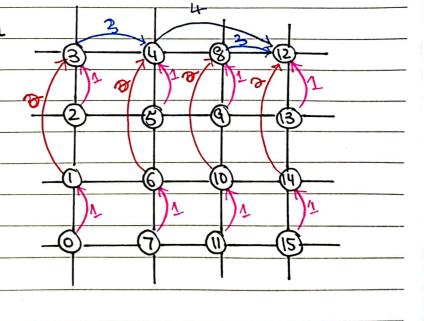
 $8 \rightarrow 16 + 16 : 8 + 1 = 9$

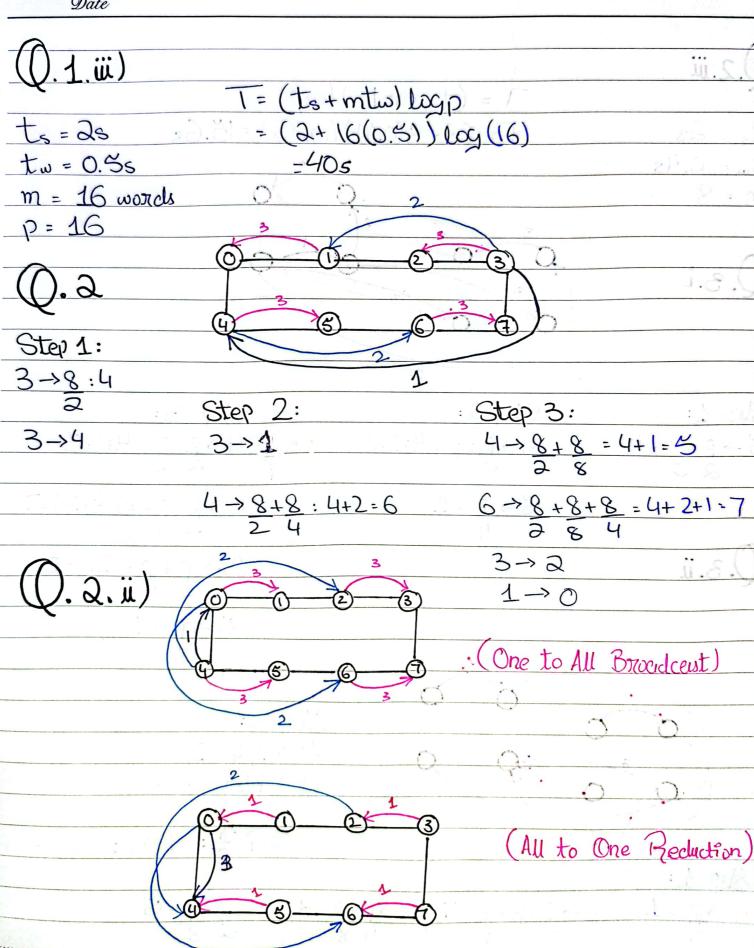
12-> 16+16+16:8+4+1=13

 $6 \rightarrow 16 + 16 + 16 = 7$

 $\frac{10 \to 16 + 16 + 16 = 8 + 2 + 1 = 11}{2 + 8 + 16}$

 $\frac{14 \rightarrow 16 + 16 + 16 + 16 = 8 + 4 + 2 + 1 = 15}{24816}$





T= (ts+mtw)logp

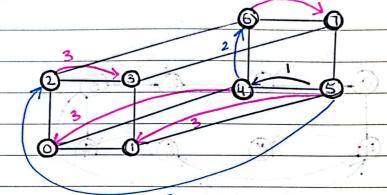
T= (2+8(0.41) log_(8) = 15.6s

tw = 0.4s

ts = 28

m = 8

,3.i



Step 1:

5 → P = 8 = 4

Step 2:

4-p+p=4+2=6

4->p+p=4+1=5

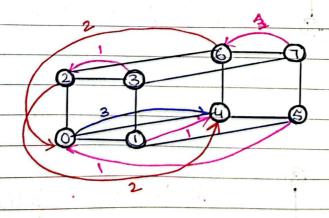
5-> P = 2

6->p+p+p=4+2+1=7

). 3. ji

 $2 \rightarrow p + p = 2 + 1 = 3$

5-1P=1



Ster 2:

4->P/4=2

0 -> P/2+P/4=6

Step B: 4 -> P/2 = 0

Step 1:

$$t_s = 2s$$
 $T = (t_s + mt_w) log p$
 $t_w = 200 \times 10^{-3}$ $T = (2 + 3(200 \times 10^{-3})) log_2(8)$
 $m = 3$ $T = 7.8s$