1

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NS10: ala 273

Assignment #02

Generaler 11001

i.e 27 + 21 +1

$$Q = \frac{32}{3 \times 10^4 \text{ m/s}} = 0.10667 \times 10^{-6} \text{ s}.$$

$$\frac{\gamma}{t} = \frac{0.10667 \times 10^{-6} \text{ s}}{10.3466 \times 10^{-6} \text{ s}} = 0.0103$$

C SMA seems mere recordo'e

(b)  $T = 32 \times 10^3 \text{ m/}(3 \times 10^6 \text{ m/s}) = 1.067 \times 10^5 \text{ s}$   $t = 1.067 \times 10^{-5} \text{ s} + \frac{128 \times 8 \times 8}{100 \times 10^6 \times 15}$   $= 2.091 \times 10^{-5} \text{ s} = 20.91 \text{ Hs}$ in Aloha is more resonables

 $\gamma = \frac{32}{3 \times 10^8} = 0.10667.\times10^{-6} s.$ 

t= 0.10667 × 1065 + 64 × 8 b

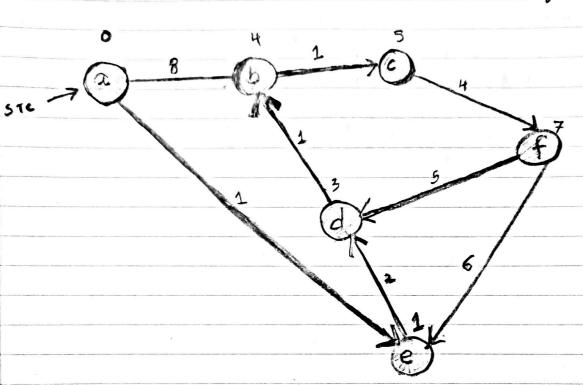
5× 107 5/5

 $= 2.09 \times 10^{-7}$  5

7/t = 0.52.7 ALOHA is more appropriate.

## Algorithm

- · Extract Node N with lowest Liston
- · Add Irah to N to shortcot pate
- · Relan to distance of neighbors of N by lowering any better estimates



3) ( Dijkstra's Algerithm

Initialization	N	D(P)	(20	<b>D(9)</b>	D@)	D(+)
Initialization.	ra?	8	∞	∞	1	∞
after iterations	ga,e}	8	<i>0</i> 0	3	1	7
after iteration 2	{a, e, d}	4	₩	3	1	7.
after itoration 3	{a,e, 3,6}	4	5	3	1	7
after iteration 4	¿a,e, d,b,c}	4	5	3	1	7
adtor iteration 5	{a,c,d,b,e,8}	ч	5	3	1	7.
adter iteration &	{ a, e, d, b, e, f, e}	4	5	3	1	7