








3/19 Exam Review

Monday, March 19, 2018 6:02 PM


 ← 1 punch Desirable
out row
order

  ← 1 punch

   ← 1 punch

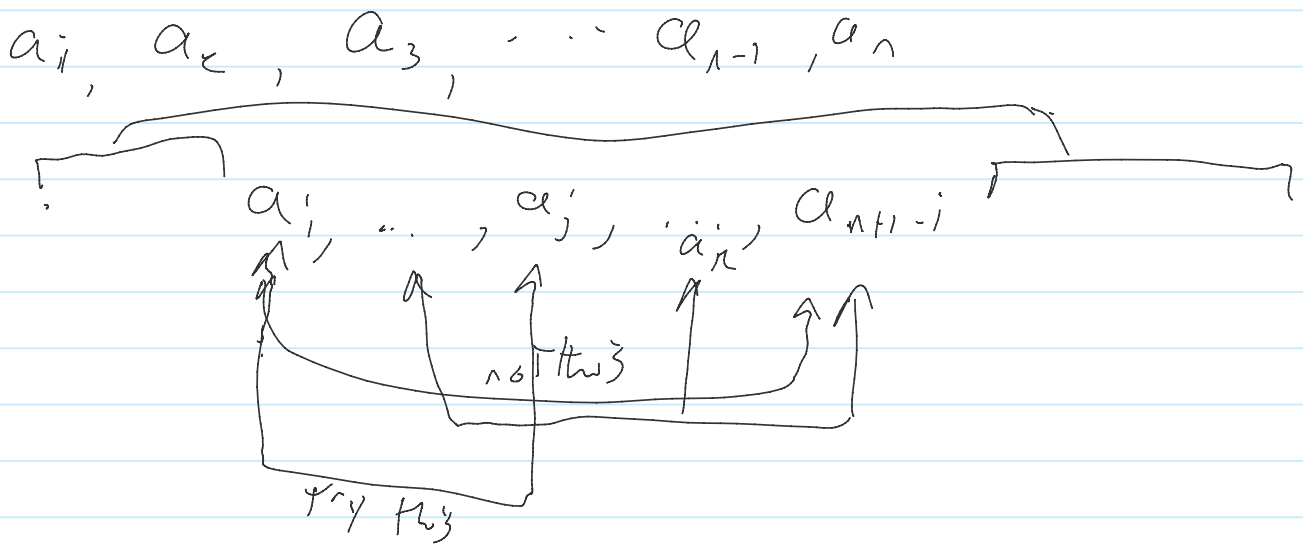
 ← 1 punch

  ← 1

 ← 1

1 99 13 78 4

1	4	7	8	13	29
↑	↑	↑	↑	↑	↑
sore poor friend gets this	2	3	3	2	sorry here you so
1					1



$$a_i + a_j = a_k + a_{n+1-i}$$

$$a_k - a_i > 0$$

$$a_{n+1-i} - a_j > 0$$

$$a_i + a_j = a_k + a_{n+1-i}$$

$$a_i + a_j = a_n + a_{n+1-i}$$

$$-a_i - a_j \quad -a_i - a_j$$

$$0 + 0 = (a_n - a_i) + (a_{n+1-i} - a_j)$$

$$0 = (a_n - a_i) + (a_{n+1-i} - a_j)$$

$$0 = (<0) + (<0)$$

$$0 = (<0)$$

Huffman coding

$$D=4 \quad N=7 \quad B=8$$

$$_ = 11 \quad A=16$$

$$D+N=11 \text{ add}$$

$$B=8 \quad _=11 \quad D+N=11$$

$$A=16$$

$$B+_ = 19 \text{ add}$$

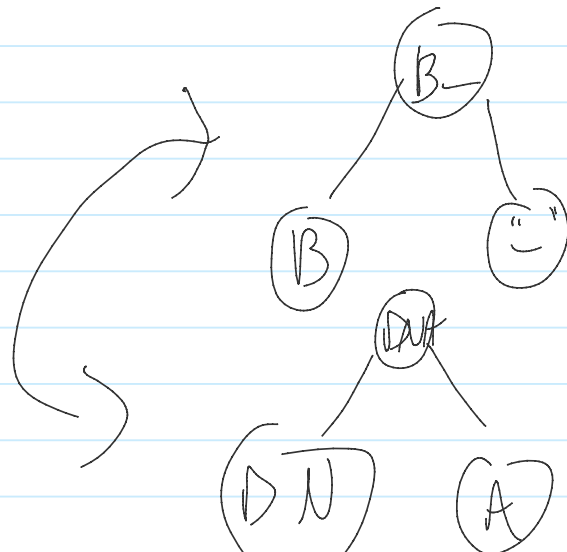
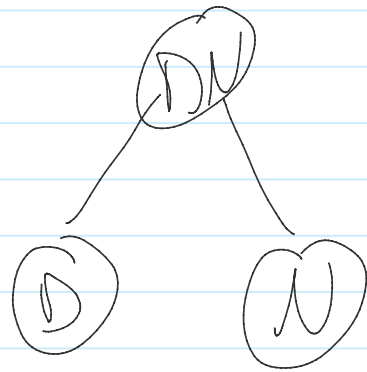
$$D+N=11 \quad A=16$$

$$(B+_) = 19$$

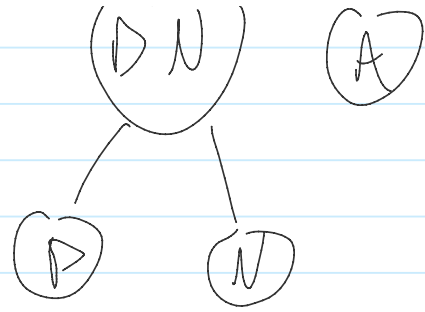
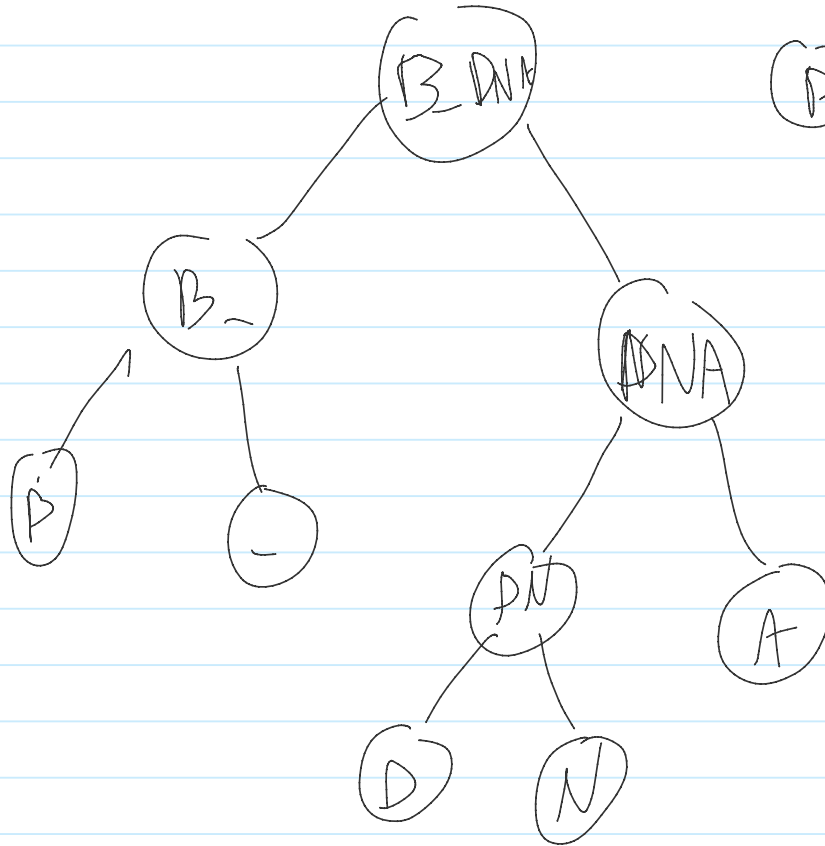
$$\text{add } DNA=27$$

$$DNA=27 \quad B_ = 19$$

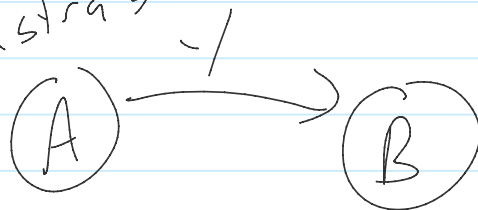
DNAB_ 46



DNAB_4G

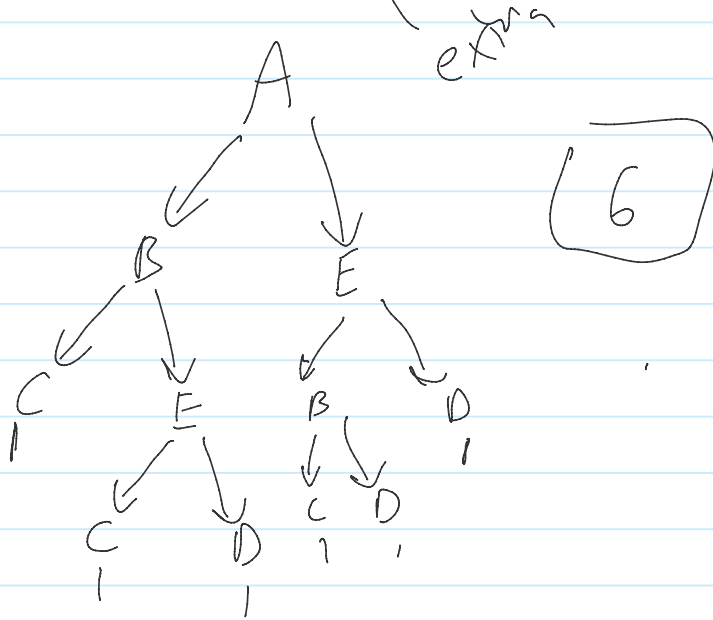
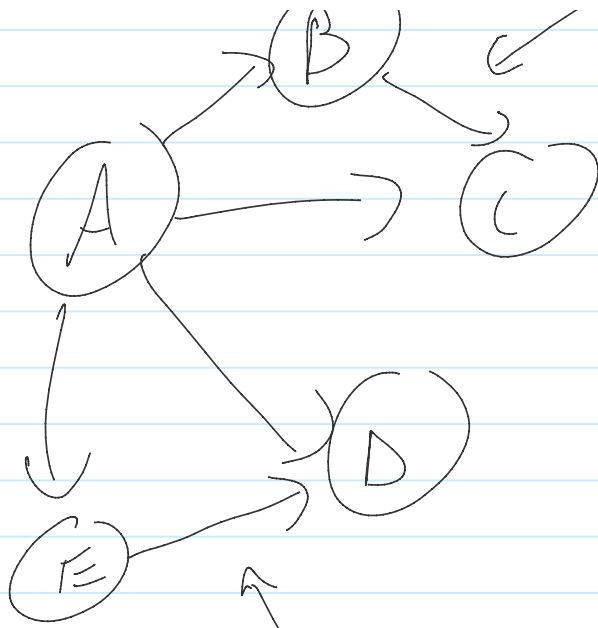


2) Valid result using Dijkstra's

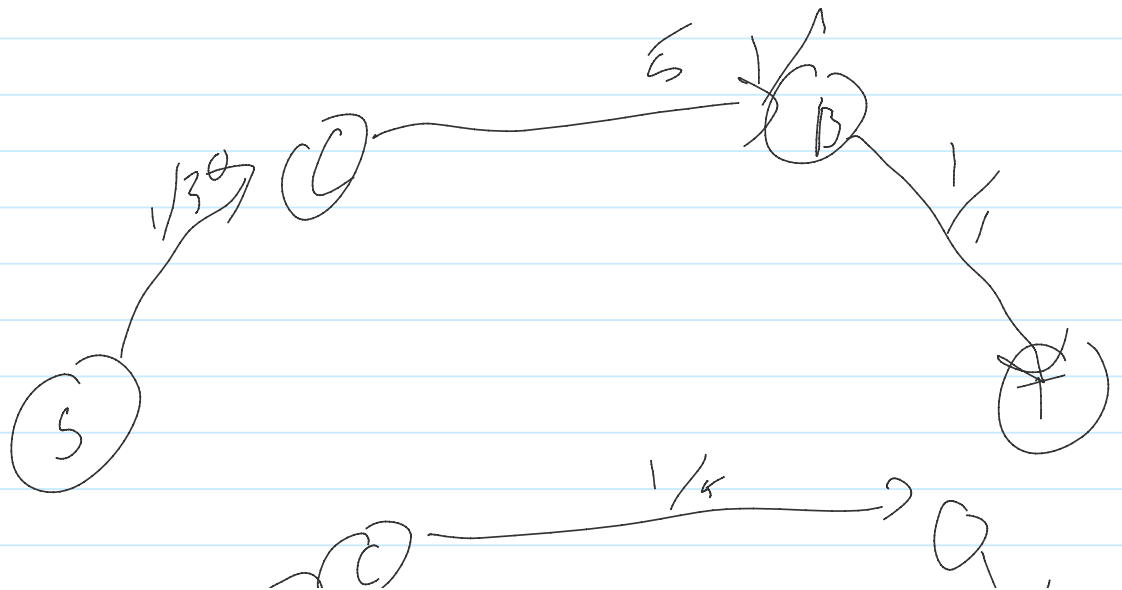


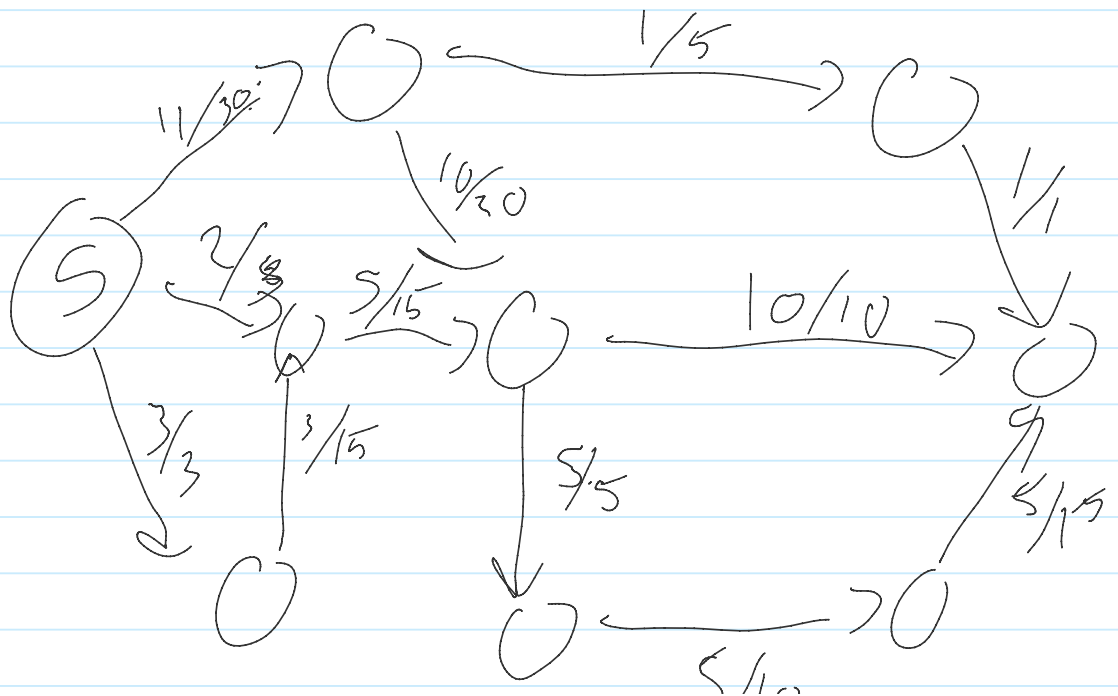
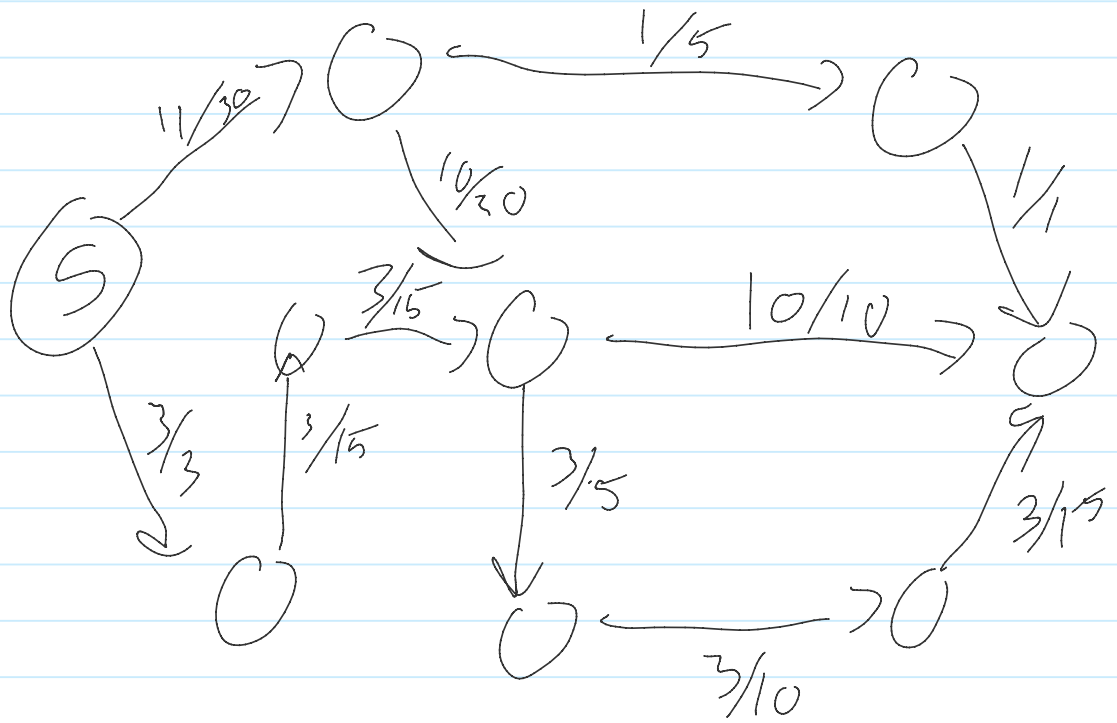
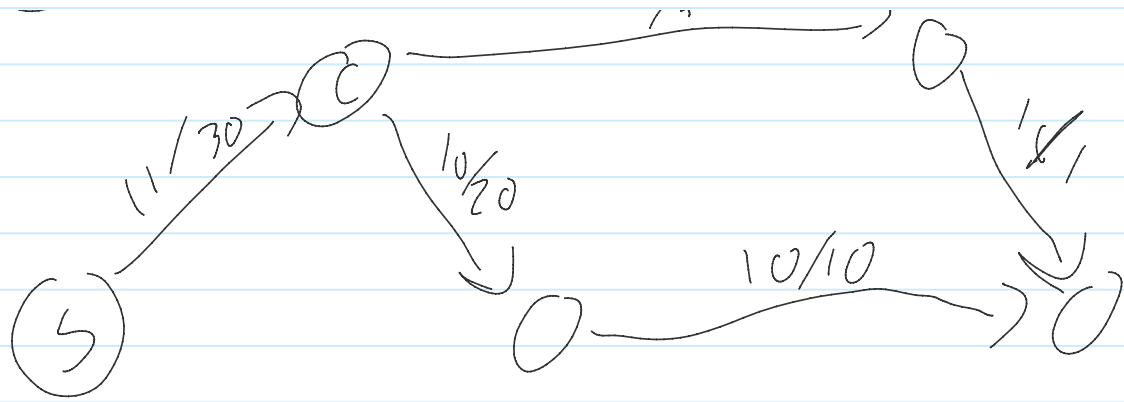
3) extension

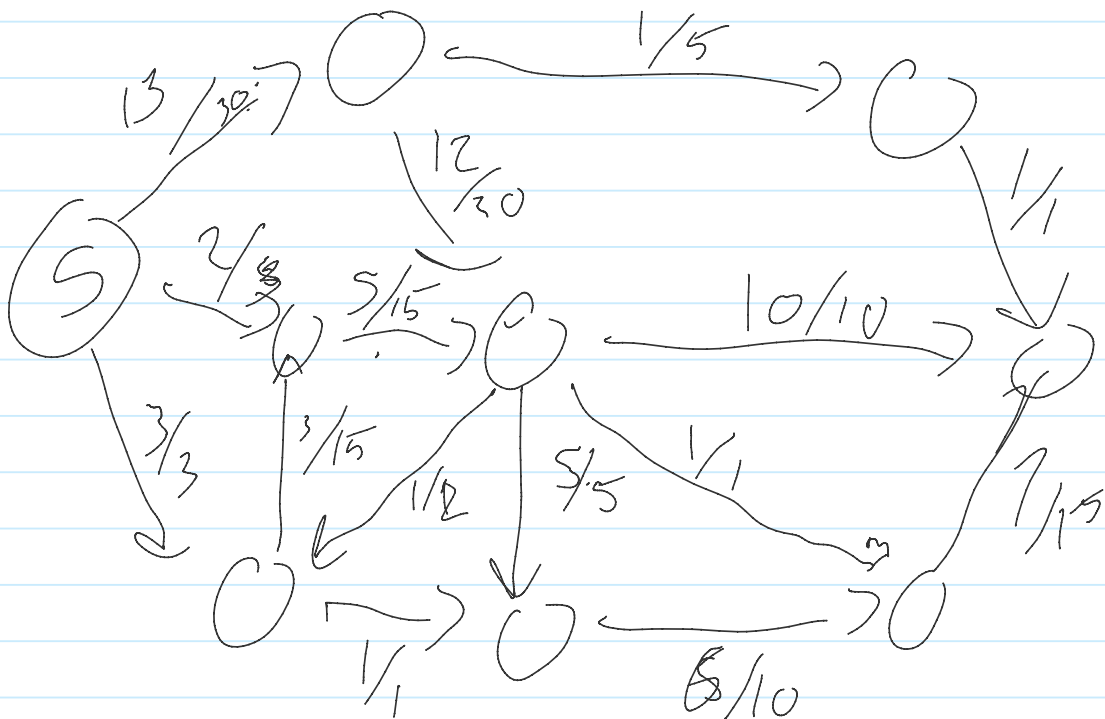
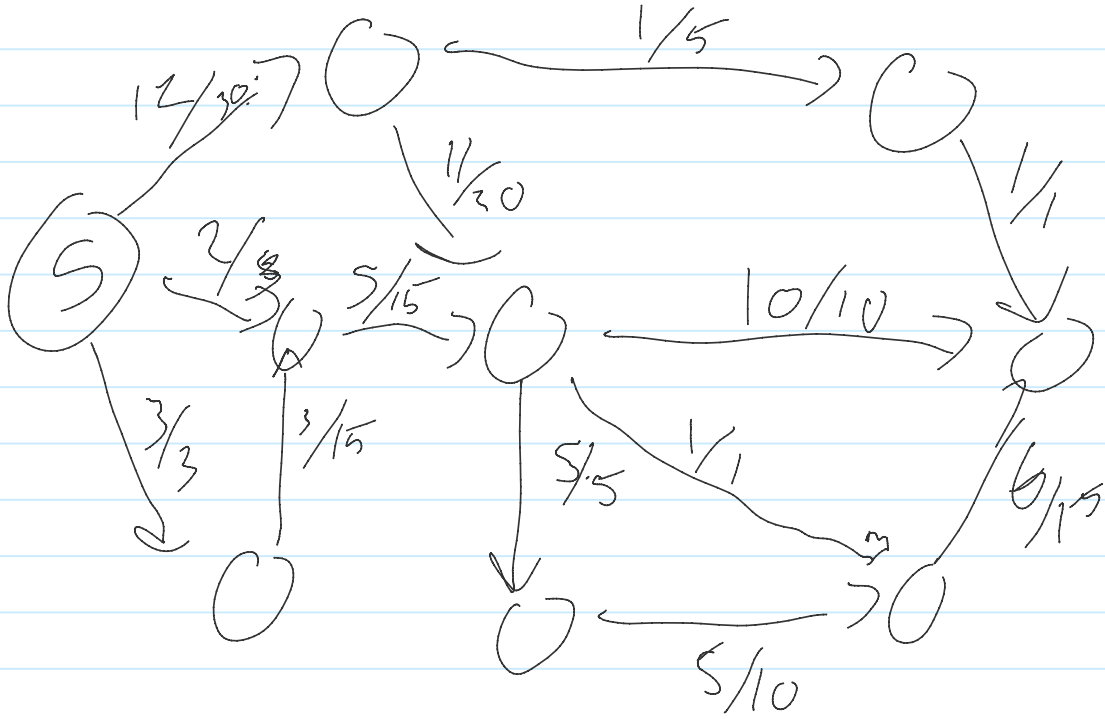
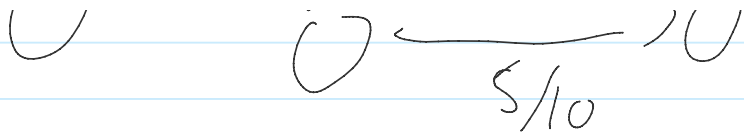




10)







11 c

