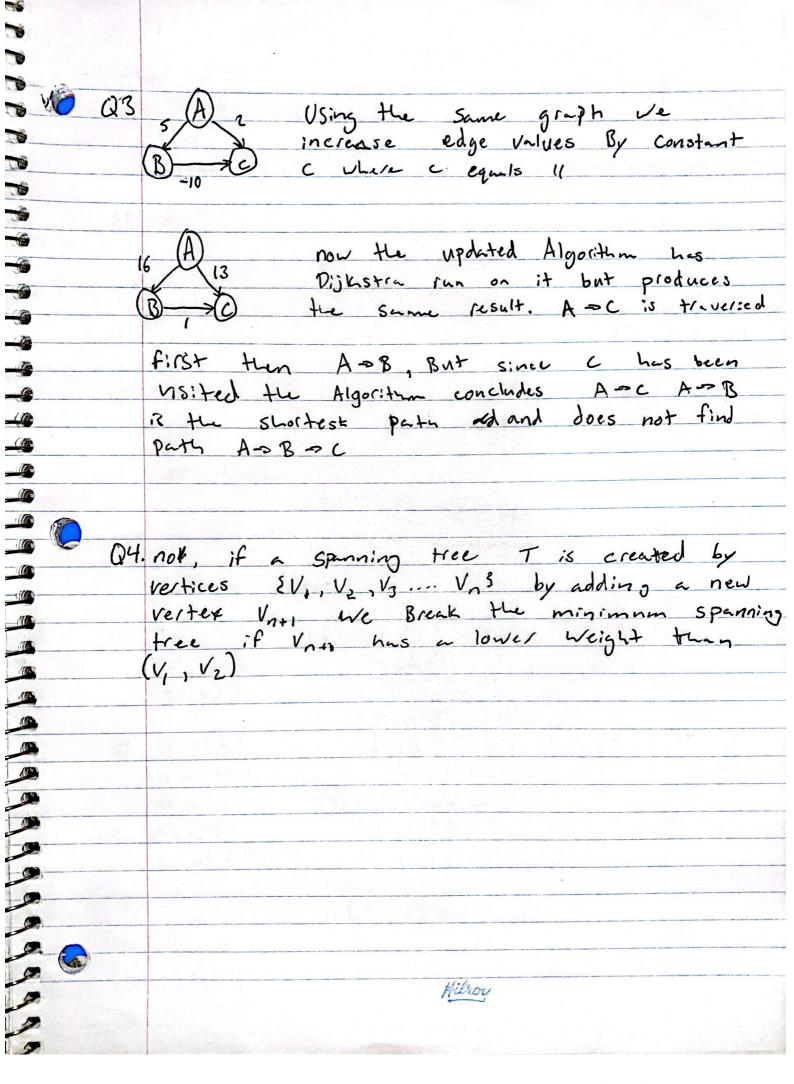
	Assignment #6 Memet R 130951550						
Q1.	initialize 5 0 N/A						
	Step 1 U 3 5						
	step2 V 5 4						
	Step 3 t 6 V						
Q2.	A This graph will produce the						
	Path A => C => A => B' Since the Algorithm will traverse the 'cheapest' path first. this will mean A -> c						
	is visited first. Hen C-OB is not possible so						
3 1	the Algorithm will back track to A and fravel to						
	b (A > B) Since chas alredy been visited the Algorithm will finish with result A > C, A -> B.						
	he Algorithm assumes the path it took is lowest						
2 9	cost and wont traverse B-> E even thought it produces the lowest cost. thus the Algorithm						
2	never finds A->B->C						
2							
2	Hilroy						



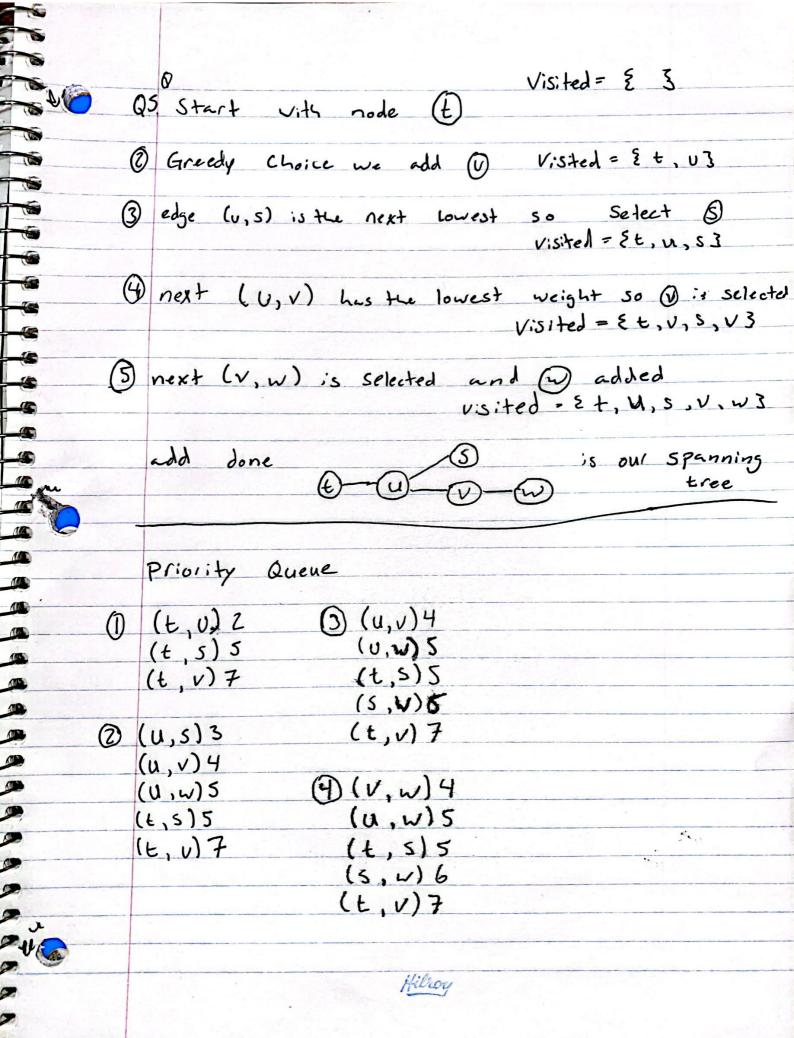


Table 1

	4	8	12	15	18	20
Backtrack	7 0.001420021057	12 0.001426219940	22 0.014761924743	42 0.093585968017	47 0.988433122634	56 5.20864176750
1st Optimization	7 0.000590085983	12 0.001451015472	22 0.0111470222	42 0.0971131324	47 0.9805781	56 4.966504
2nd Optimization						