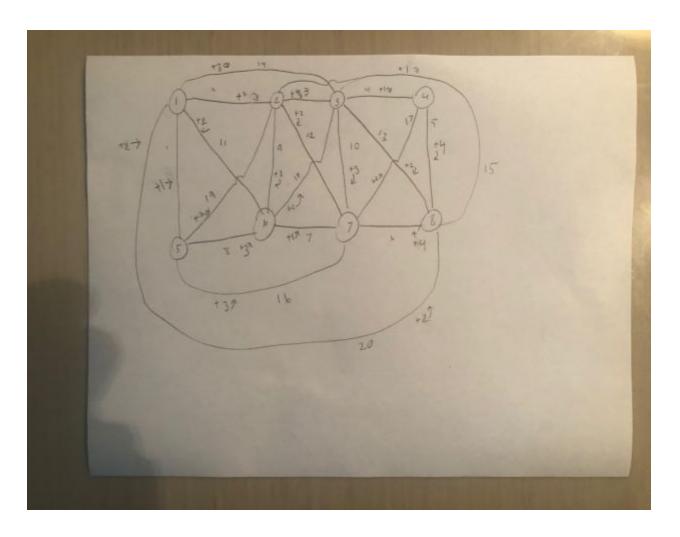
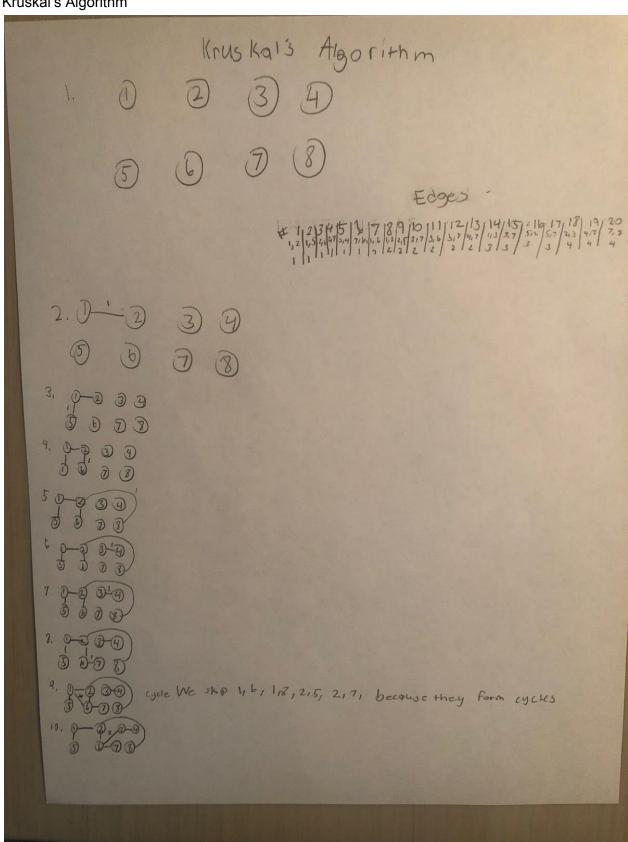
## Graph

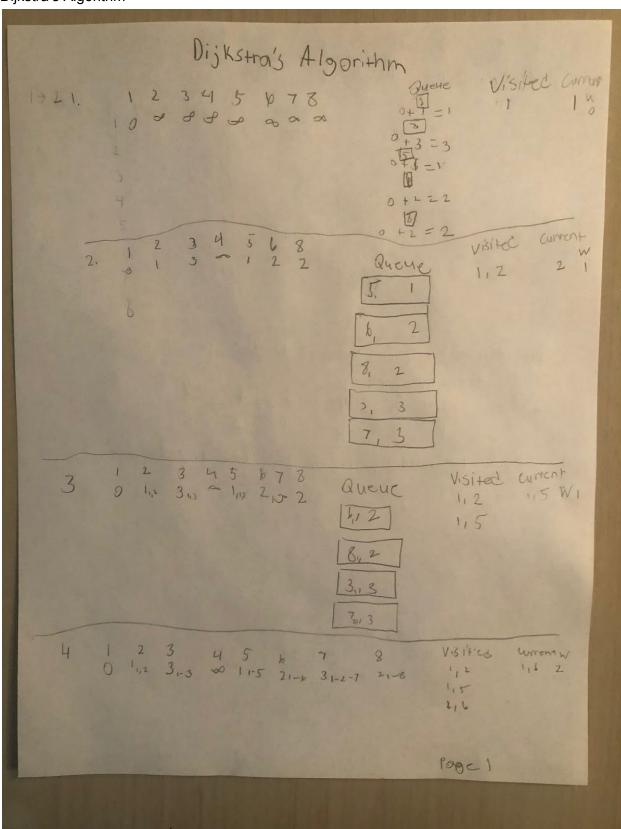


Table

Table		41163	MINE
Graen Table			
Node 1	EIW		
Edges   Weight	TTT		
3 3 5 1	2 2 3		
5 1	7 3		
8 2			
	b		
Z E 1 W	EIW		
1 1	1/2		
3   4   5   2	2   1 3   2 5   3		
	5 3		
7   2	11		
3	EIW		
E   W			
1 3	2 2 3 3 4 2 5 3		
4 !			
1 2 3	8 4		
8 2 4 E   W 3   1 7   2 8   4	7		
	E   W   Z   Z   Z   Z   Z   Z   Z   Z   Z		
EIW	1 2		
3 1 2	3/2		
8/4	7 4		
N. C.			THE REAL PROPERTY.

Table	Prim's Algorithm Graph
	2. <u>0</u> <u>2</u>
	3. 0-2
	4. 0-2
	5. 00
	(a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
	7. 0-3
	8. 0-0-3 <sup>2</sup> 3 0-3-3 0-3-3
	Q-3-8





5. 1 2 3 4 5 6 7 8 0 11-2 31-3 b1-8-4 1-5 21-2 31-2-7 21-3 Que 40 Visited Current w 8,3 1,2 1,8 2 7,3 1,5 41.6 1,6 . 118 b. 1 2 3 4 5 6 7 8 0 1-2 31-3 4 1-3-4 11-5 21-6 31-2-7 21-6 avere Visited Current W 1,2 1-3 3 7, 3 1,5 4,4 46 1,3 113 2 3 4 7, 1 1,-2 3,-3 41-3-4 11-5 21-6 3,-2-7 21-8 Queue Visited current W 4,4 1,2 1-2-7 3 1,5 1,2,7 page 2

8. 1 2 3 4 5 6 7 8
0 1,-2 3,-3 4,-3-4 1,-5 2,-3 3,-2-7 2,-8

Query Visited current W
One 1,4 1-3-4 4
1,5
1,8
1,3
1,2,7
1,3,4

The Shortest route from 1 to the Other nodes are the following Deminsion 1 12 3 4 5 b 7 8 2 Cost 0 1 3 4 1 2 3 2 Path 1-1 1-2 1-3 1-3-4 1-5 1-1 1-2-7 1-9