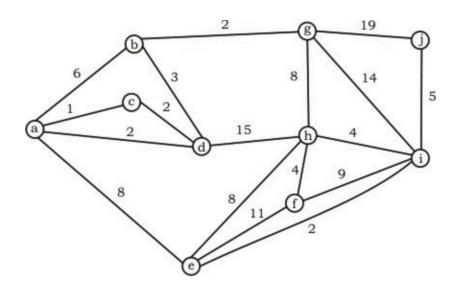
Course ID: CS 501 Name: Mengmeng Xue

Hw7. 02/19 **Description:**

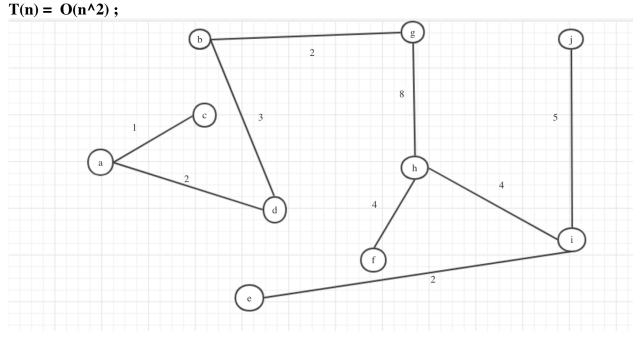
http://npu85.npu.edu/~henry/npu/classes/algorithm/minimum_spann_tree/slide/exercise_minimum_spann_tree.html

Student ID: 19519

Q4 ==> Please use MST approached propsed by Prim & Kruskal to find the MST of the following diagram and then compare their Time Complexity.



Prim MST: n is how many nodes.



Kruskal MST: e is how many edges. T(n) = O (eloge);

Weight	Src	dst
1	A	С
2	A	D
2	С	D
2 2 2 2 3	В	G
2	Е	Ι
	В	D
4	F	Н
4	Н	Ι
5	J	I
6	A	В
8	A	Е
8	E	Н
8	G	Н
9	F	I
11	Е	F
14	G	I
19	G	J

Stop condition = 10 - 1 = 9;

