Math 101-002
Quiz 4, **April 3**

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Name	CSU ID #

Be sure to read each question fully and carefully. Even if you don't know the answer please take this opportunity to reflect on what you may need to practice for the exam.

1. Consider the following weighted graph G:
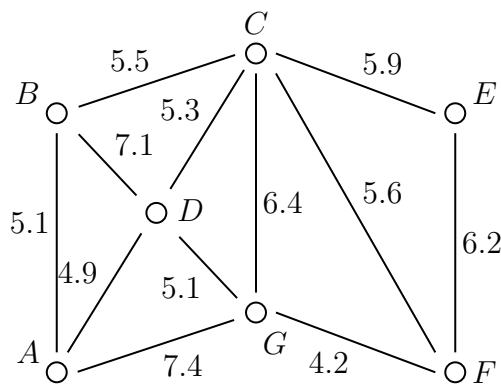
(a) How many edges make up a spanning tree of G?

(b) What is the redundancy of G?

(c) Use Kruskal's algorithm to find an minimum-weight spanning tree of G. Draw the corresponding tree in the following space.

2. Consider the following directed graph specifying the precedence order for the tasks A through H:

A(3)   B(7)   C(4)   D(2)

START(0)   E(3)   F(7)   END(0)

G(9)   H(8)
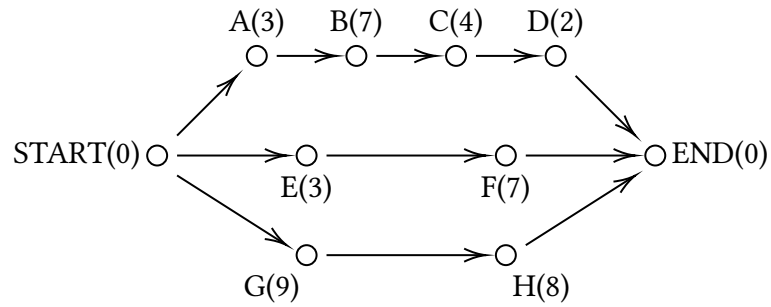
If the priority list for the tasks is

$$A, B, E, F, G, C, D, H,$$

fill out a working schedule for two processors based on this:

Time	1	5	10	15	20	25	30
P_1							
P_2							

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