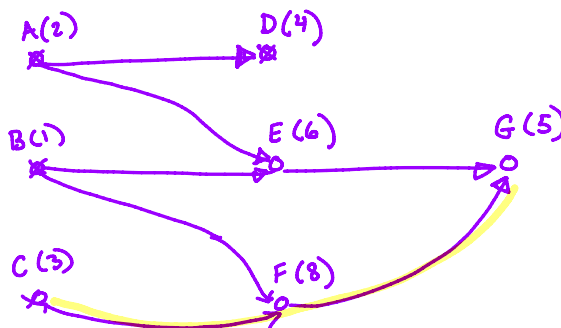


## MATH F113X: Scheduling with Priority Lists

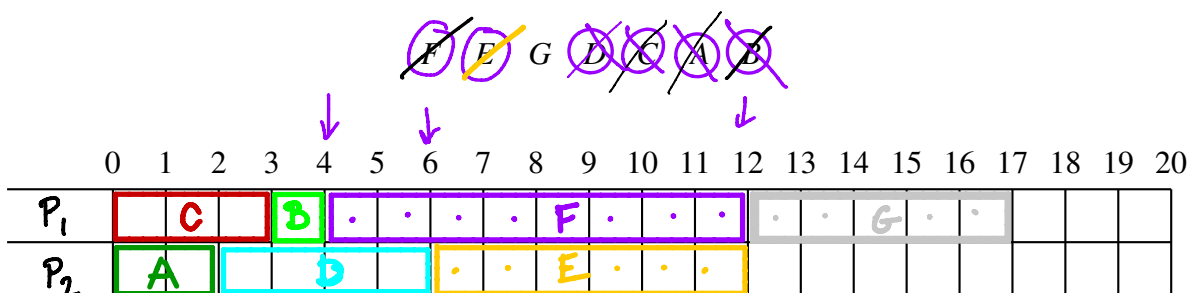
**Goal** Learn how to construct a schedule, given a priority list and **document your thinking**. Learn strategies for making a priority list.

1. Create an associated digraph. Find a critical path and critical time.

label/task	time	dependence
A	2	
B	1	
C	3	
D	4	A
E	6	A,B
F	8	B,C
G	5	E,F



2. Construct a schedule with two processors using the prioritized list below.



time	ready	Finished
0	<u>A, B, C</u>	
2	<u>B, D</u>	A
3	<u>B</u>	C
4	<u>E, E</u>	B
6	<u>E</u>	D
12	<u>G</u>	E, F
17		G
		<u>done.</u>

finish time : **17**

What would you have done differently?

Do you see how the priority list was obtained?