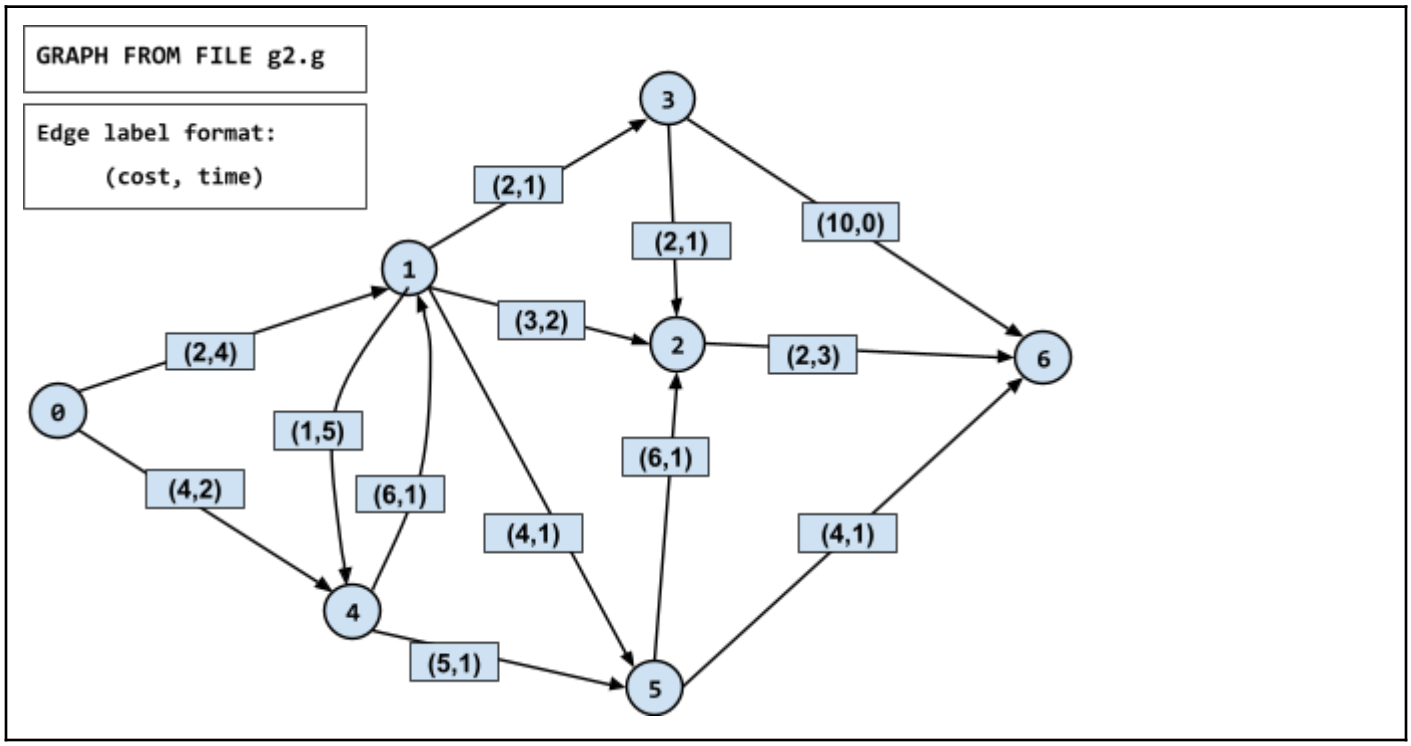
Worksheet for Prog2 Warmup

Task: simulate the described algorithm to populate the P[] lists with resulting option lists / tradeoff curves. (Source vertex: 0).

On a separate sheet, maintain and update the priority queue entries. Submit both this page and your sheet maintaining the priority queue (granted, the separate sheet is kind of scratch work, but submit it anyhow).

A short video will be posted to get you started.



P[0]	<0,0>
P[1]	<2,4>
P[2]	<5,6>,<6,6>,<15,4>
P[3]	<4,5>
P[4]	<3,9>,<4,2>
P[5]	<6,5>,<9,3>
P[6]	<7,9>,<8,9>,<10,6>,<13,4>,<14,5>,<17,7>

<c,t,v>

Looking for time <= to currTime same for cost

Red = removed from queue

Purple = not added to queue

Queue:

<0,0,0>

<2,4,1>

<4,2,4>

<3,9,4>

<6,5,5>

<5,6,2>

<4,5,3>

<8,10,5>

<9,10,1>

<9,3,5>

<10,3,1>

<6,6,2>

<8,9,6>

<14,5,6>

<7,9,6>

<12,6,2>

<10,6,6>

<13,4,6>

<15,4,2>

<17,7,6>