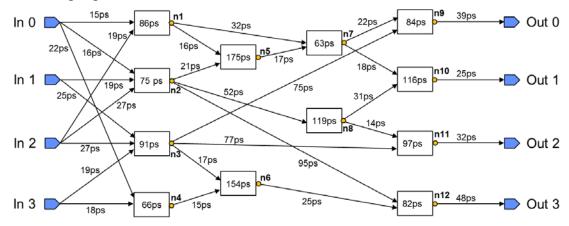
Homework Assignment 7

(Due Apr. 1st at the beginning of the class)

 [Timing Analysis, 10 points] The following shows the delay of each net and cell. Compute arrival time at each node (n1 ~ n12, Out 0 ~ Out 3) shown below. Arrival time at each input pin is zero.



	Arrival time		Arrival time
n1	105ps	n9	484ps
n2	102ps	n10	512ps
n3	118ps	n11	384ps
n4	88ps	n12	396ps
n5	298ps	Out 0	523ps
n6	289ps	Out 1	537ps
n7	378ps	Out 2	416ps
n8	273ps	Out 3	444ps

2. [Timing Analysis, **10 points**] The following shows the delay of each net and cell and the required time at each output. Compute required time at each node (n1 ~ n12, In 0 ~ In 3).

