

## Data Structure Assignment 9

### Programming Homework

5. Write a program that inputs an AOE network and outputs the following:

- (a) A table of all events together with their earliest(e) and latest(l) time.
- (b) A table of all activities together with their early(e) and late(t) times. This table should also list the slack(s) for each activity and identify all critical(c) activities.

Input:

```
5 //total activities number
1 0 1 5 //activities number, start vertex, end vertex, activity require
2 0 2 6
3 1 3 3
4 2 3 6
5 3 4 2
```

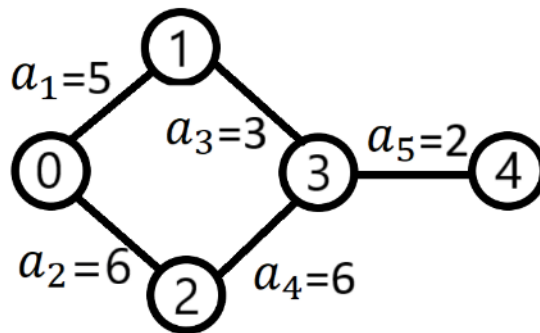
Output:

a.

	e	l
0	0	0
1	5	9
2	6	6
3	12	12
4	14	14

b.

	e	t	s	c
1	0	4	4	N
2	0	0	0	Y
3	5	9	4	N
4	6	6	0	Y
5	12	12	0	Y



### General Information:

- **Deadline : 2017/1/10 23:55.**
- Upload your assignment to Moodle system.
- Upload file format: Student-Id\_Name.rar , Ex.P76991094\_王小明.rar
- Your file should consist of the following items: Source Code &Readme file (Program description)

- Late homework will not be accepted.
- Any copies will be scored as zero. Do not plagiarize
- **Programming homework TA** 張維婷 Email: p76051098@mail.ncku.edu.tw