

## 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 (ee) and latest (le) time.
- (b) A table of all activities together with their early (e) and late (l) 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
```

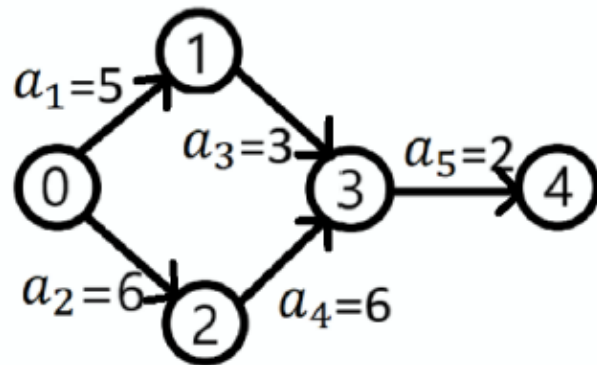
Output:

a.

	ee	le
0	0	0
1	5	9
2	6	6
3	12	12
4	14	14

b.

	e	l	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 : 2018/1/10 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