Sample Input

All input will be a sequence of lines defining a number of tasks, binary constraints and domain constraints, in that order. Comment lines (starting with a '#' character) may also appear in the file, and your program should be able to process and discard such lines. All input files can be assumed to be of the correct format – there is no need for any error checking of the input file.

Below is an example of the input form and meaning. Note that you will have to submit at least three input test files with your assignment. These test files should include one or more comments to specify what scenario is being tested.

```
# two tasks with two binary constraints and soft deadlines
task, t1 3
task, t2 4
# two binary constraints
constraint, t1 before t2
constraint, t1 same-day t2
# domain constraint
domain, t2 mon
# soft deadlines
domain, t1 ends-by mon 3pm 10
domain, t2 ends-by mon 3pm 10
```

Sample Output

Print the output to standard output as a series of lines, giving the start day and time for each task (in the order the tasks were defined). If the problem has no solution, print 'No solution'. When there are multiple optimal solutions, your program should produce one of them. **Important:** For auto-marking, make sure there are no extra spaces at the ends of lines, and no extra line at the end of the output. Set all display options in the AIPython code to 0.

The output corresponding to the above input is as follows:

```
t1:mon 9am
t2:mon 12pm
cost:10
```

refer to 本地文件 comp9414/assignment1