

In this problem the input file will have classes listed with their prerequisites. Your output.txt should list a valid order for taking all of these classes while meeting all the prerequisites.

You may assume there are no circular prerequisites (i.e. class A requires class B. Class B requires class C. Class C requires class A). You may assume all classes that are prerequisites of another are listed.

The courses can be any string (not necessarily numbers)

Sample input file (course identifier before “:”. Prerequisites after “:” with spaces between):

1001:

1133:

2011:

1933:1133

4041:1933 2011

Sample output.txt (valid class ordering with spaces between (no space after final class)):

1133 2011 1933 4041 1001