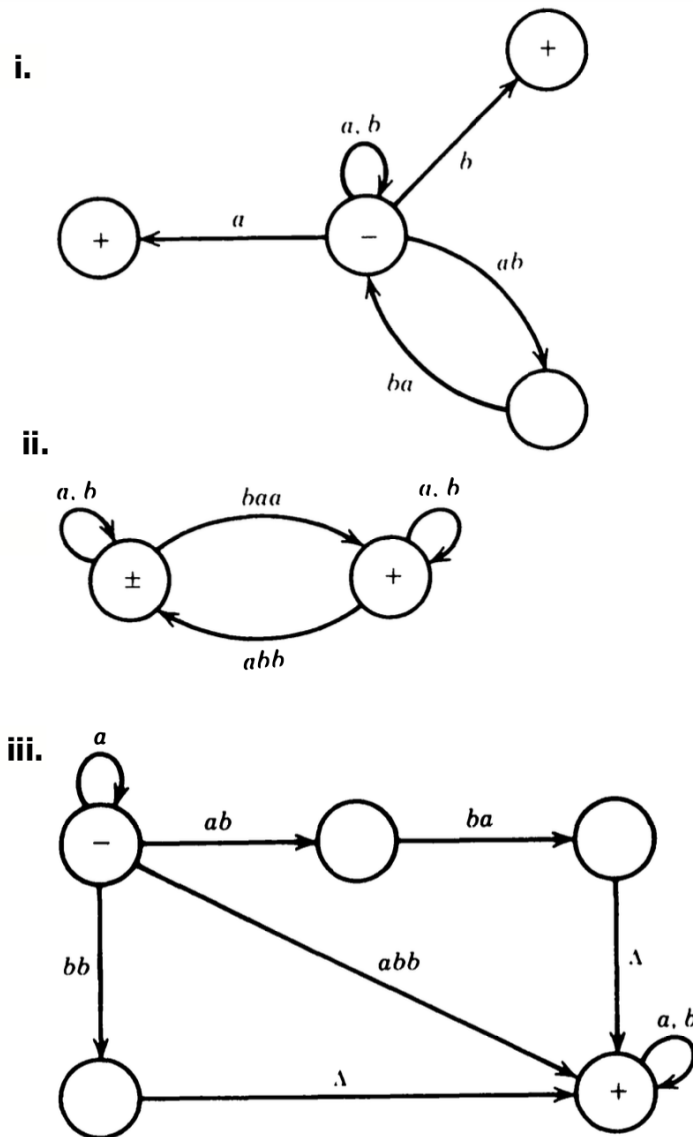


Automata Theory	Semester: 6
Assignment No. 2	Name:
Max Marks: 10	Registration No:

Question 1:

Keeping in mind the discussions in week 5's lectures, convert the following TGs to Regular Expressions (6 marks):



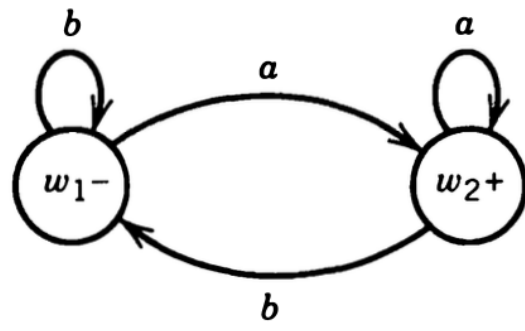
Question 2:

For the following finite automata, construct FAs for the union and product languages, that is (4 marks):

i. $FA_1 + FA_2$

ii. $FA_1 FA_2$

FA_1



FA_2

