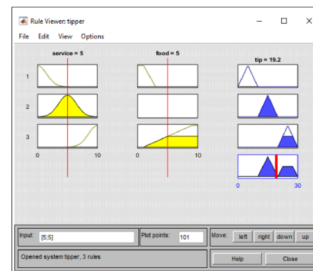
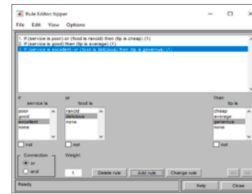
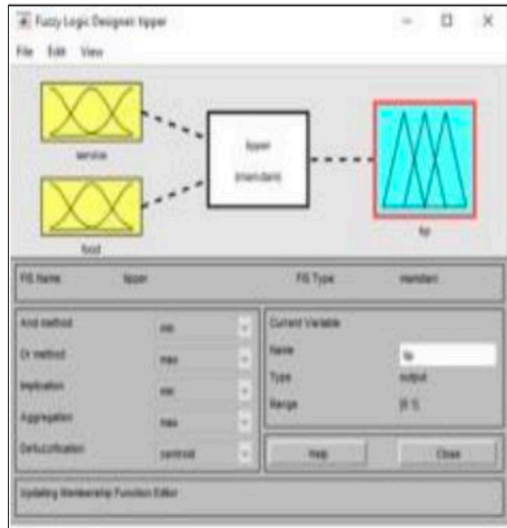
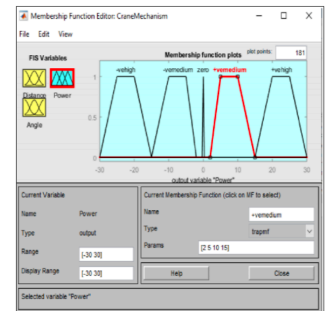


## Lab13

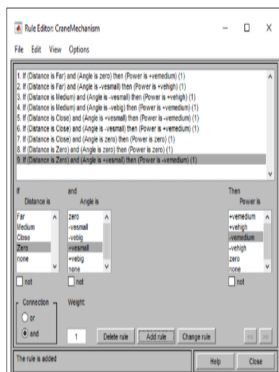
### THE BASIC TIPPING PROBLEM



2) Attach the screenshots of FIS editor, membership functions of all input & output parameters, rule editor and rule viewer.



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3) Implement the following rule set in matlab, to control the mechanism of a fuzzy logic based washing machine.

- If cloth material is soft and status is clean then apply low power for less cycle time.
- If cloth material is soft and status is dirty then apply low power for long cycle time.
- If cloth material is medium and status is dirty then apply medium power for long cycle time.
- If cloth material is hard and status is clean then apply medium power for long cycle time.
- If cloth material is hard and status is dirty then apply high power for long cycle time.

4) Attach the screenshots of FIS editor, membership functions of all input & output parameters, rule editor and rule viewer.

