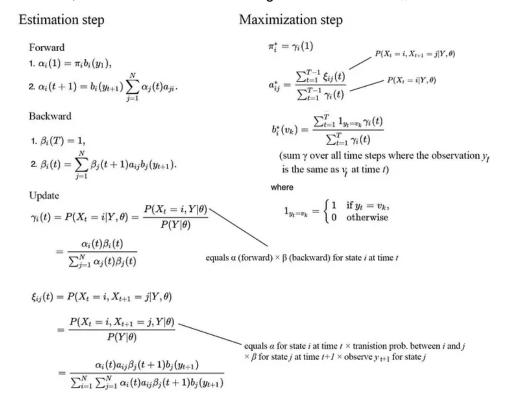
Assignment: 1

Team Member: Jash Patel (M22CS061)
Asmita Rani (M22CS059)

First 3 Problem:

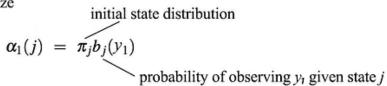
- Import required file
- Make assumption of State distribution matrix, transition matrix, emission matrix using problem statement guideline

- Convert state, transition enum in index using DatasetToState() Function

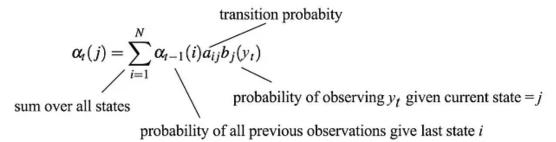


- Apply learn model algorithm
- Calculate likelihood

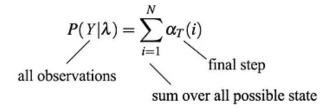
initialize



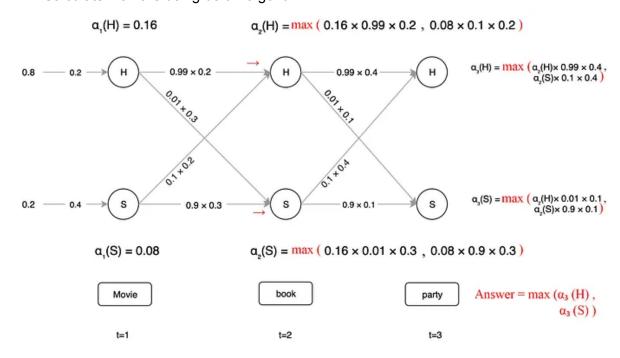
2. For each time step



3. Result



Calculate max are using below algorithm



- Result

- Here only one test case failed.