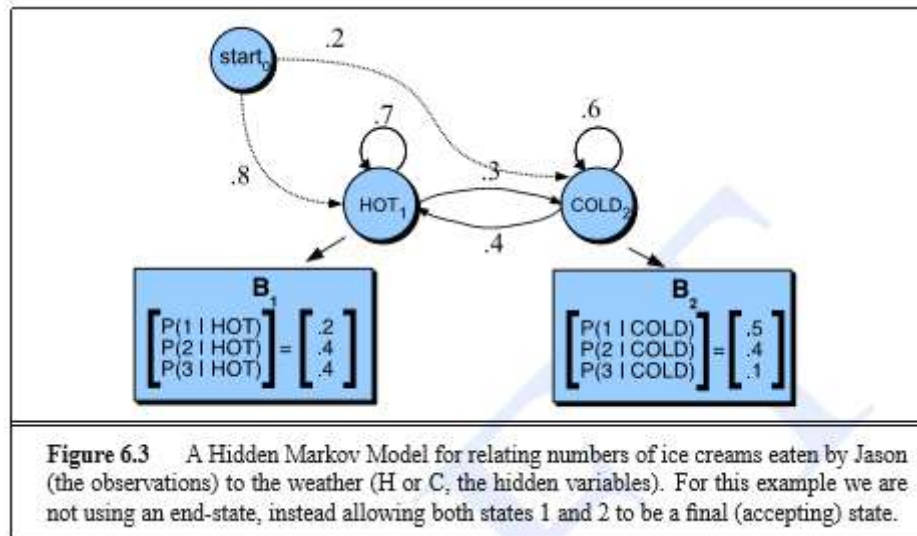


Homework2

Due 2/22/2017

HMM Decoding: Viterbi Algorithm

Implement the Viterbi algorithm and run it with the HMM in Fig. 6.3 to compute the most likely weather sequences



1. The observation sequences(input sequence) could be any length from 0 to 10.
2. You can hard code the HMM in Fig. 6.3 in the program, but do not hard code the observation sequence (input sequence).
3. Make the observation sequences as an argument. e.g. Python Viterbi.py sequence.
4. Program from scratch, do not use any high-level package that already contains the algorithm.
5. Example of input/output:

Observation(input): 331122313 (In commend line: Python Viterbi.py "331122313")

Weather(output): HHCCHHHH