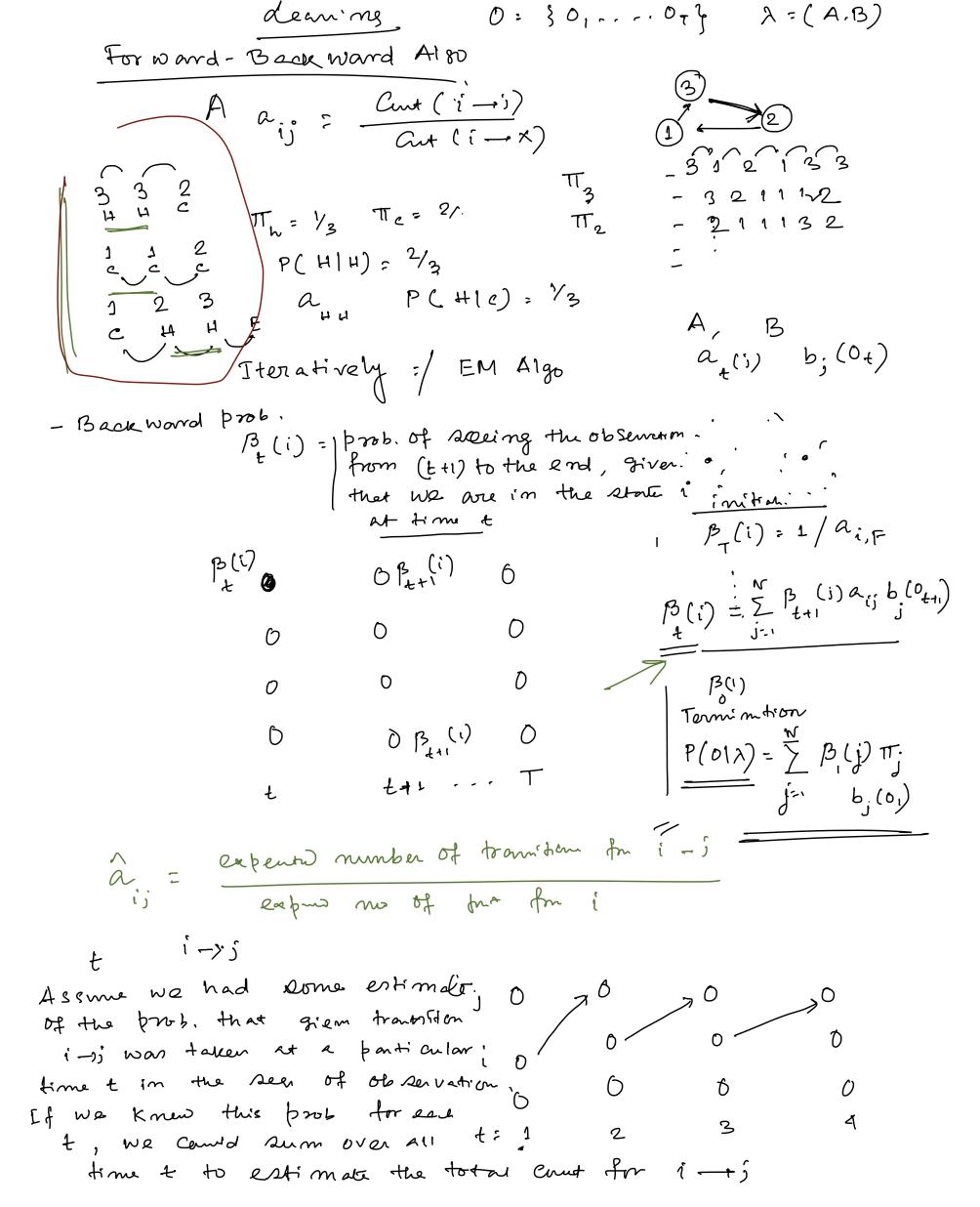
1) Evaluation HMM:
$$\lambda(A,B) \leftarrow Siven, 0:(0,02...,0T)$$
2) Decoding

3) Learning

Some aij

 $\alpha(i) = \sum_{i=1}^{N} \alpha(i) \alpha_i b_i(0_i) \frac{1}{2} \sum_{i=1}^{N} \alpha(i) \frac{1}{2} \sum_{i=1}^{N}$



$$\underbrace{\underbrace{\underbrace{E}_{t}(i,i)}_{\text{atths}} = \underset{\text{aths}}{\text{browb}} \underbrace{ot}_{t} \underset{\text{being in athst}}{\text{baing in athst}} \underbrace{i}_{\text{att}} \underset{\text{ath}}{\text{throw}} \underbrace{t}_{\text{and}} \underset{\text{ath}}{\text{athst}} \underbrace{j}_{\text{ath}} \underset{\text{ath}}{\text{throw}} \underbrace{t}_{\text{ath}} \underset{\text{ath}}{\text{ot}} \underset{\text{ath}}{\text{athrow}} \underbrace{ot}_{\text{ath}} \underset{\text{ath}}{\text{athrow}} \underbrace{ot}_{\text{athrow}} \underbrace{ot$$

Maximum Entropy Modeling fi: ith feetur of exp I wife Zent Wifi. exp Z Weifi

Z exp Z Weifi EI is arg max \sum \log P (