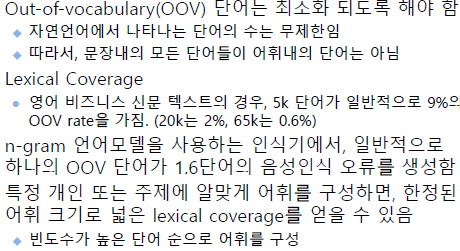
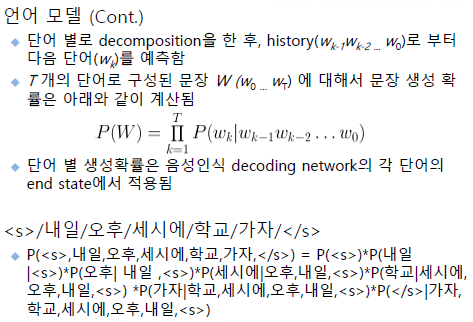
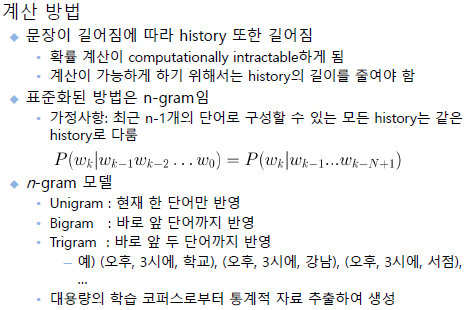
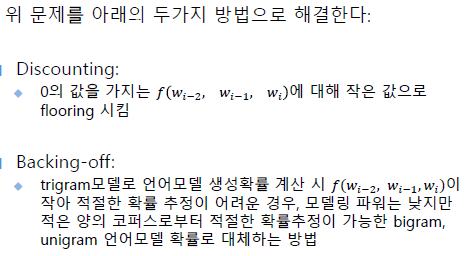
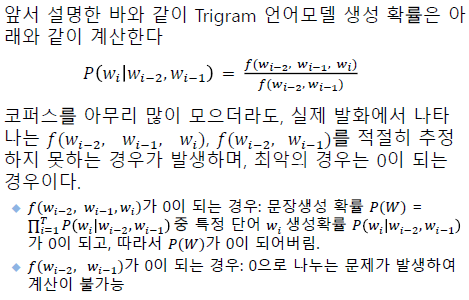
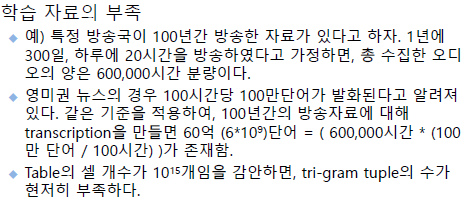
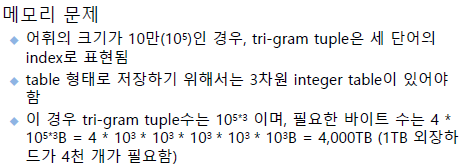
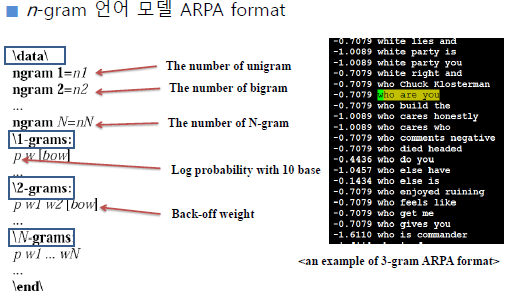
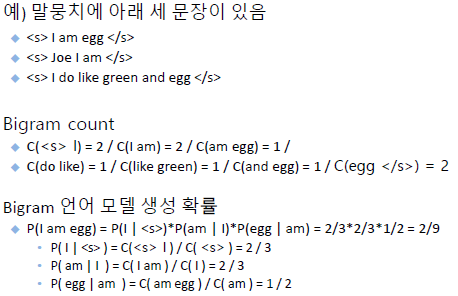
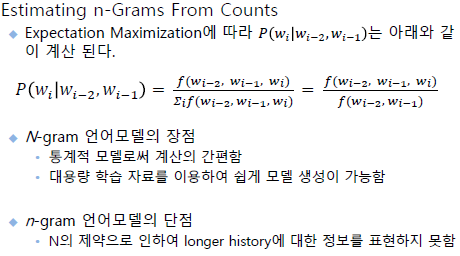
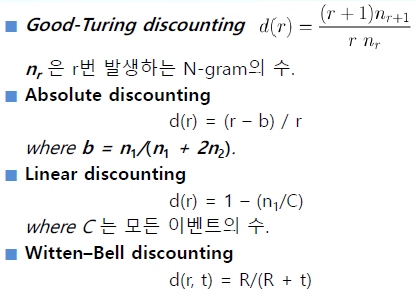
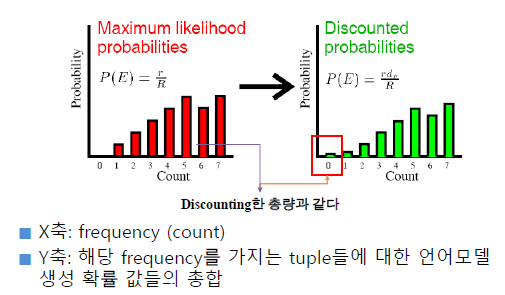
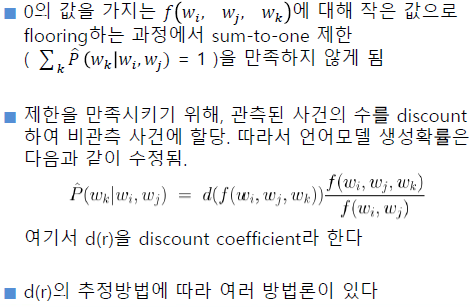
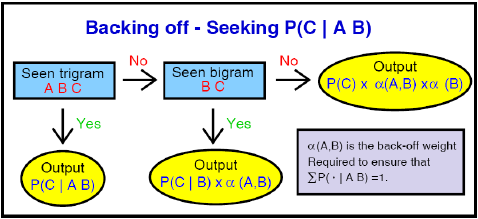
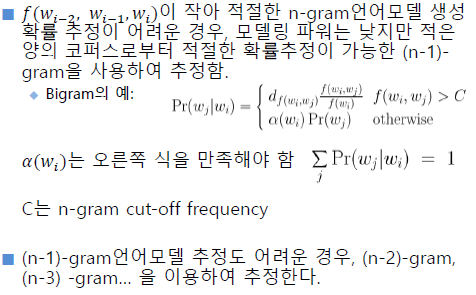
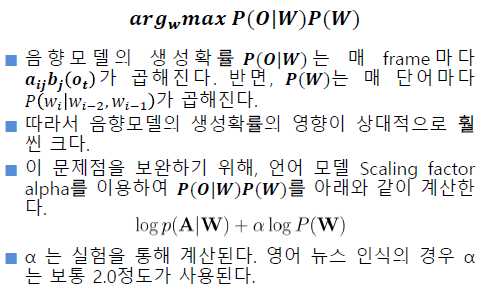
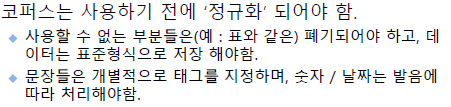
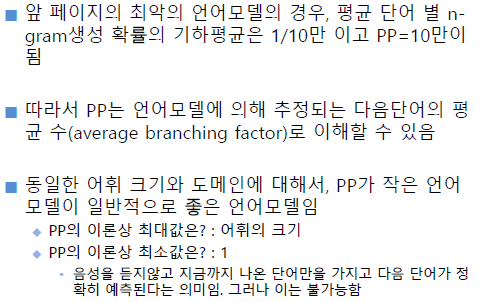
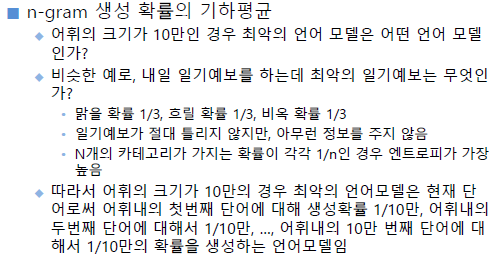
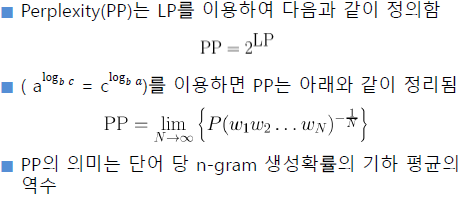
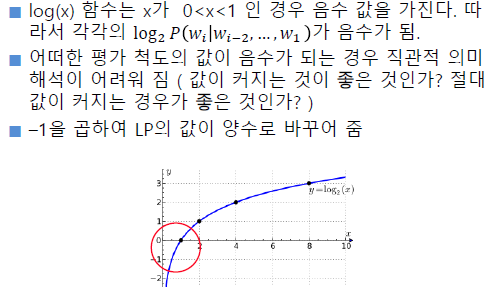
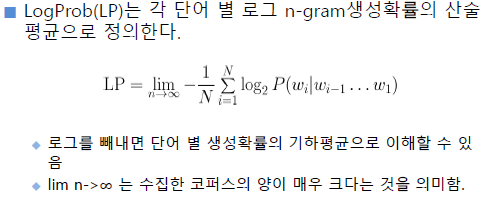
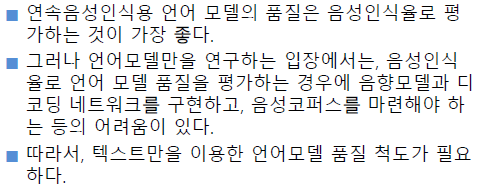
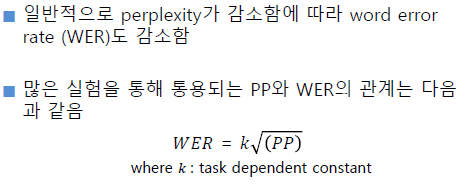
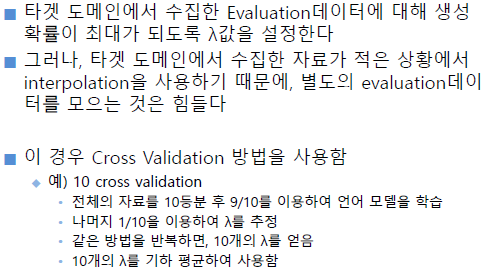
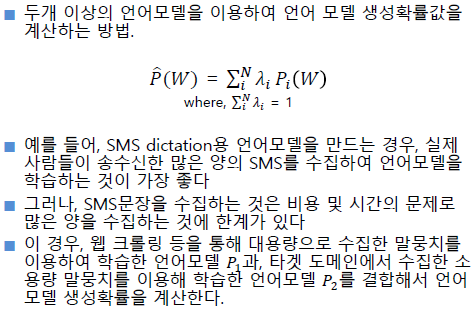
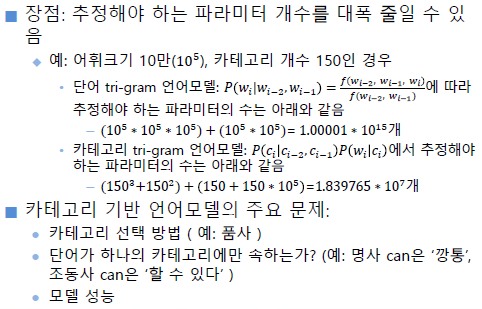
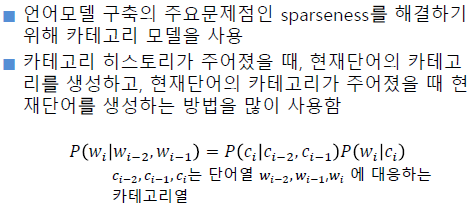
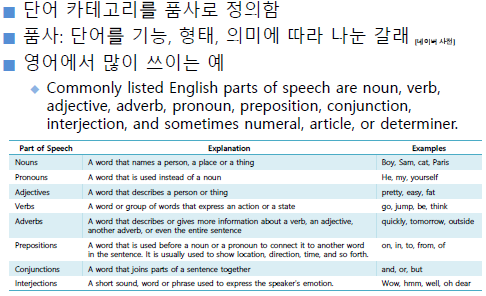
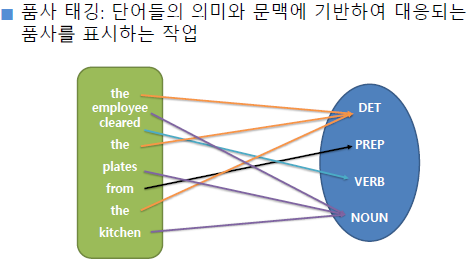
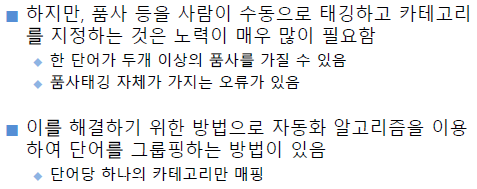
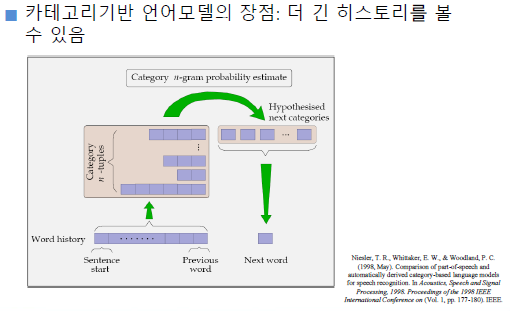
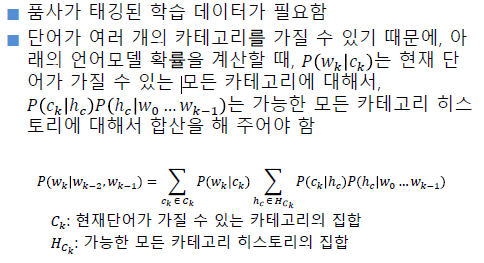
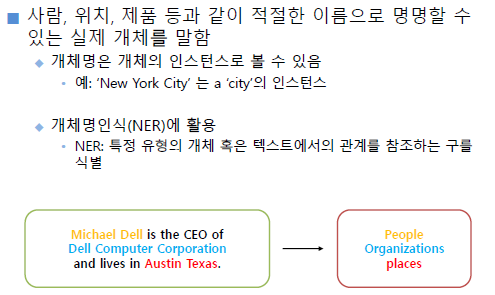
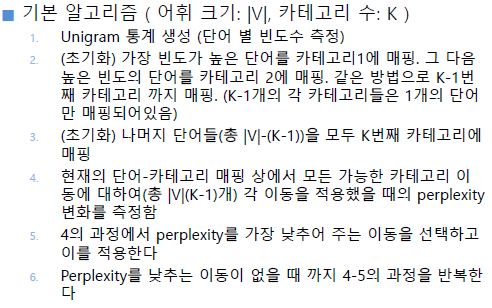
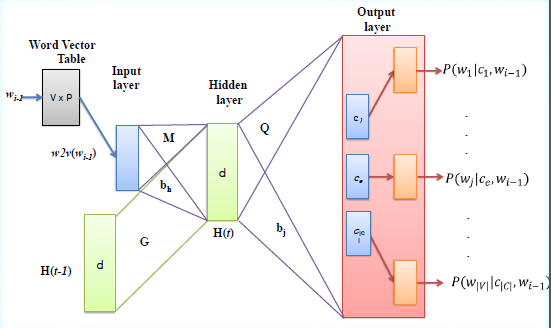
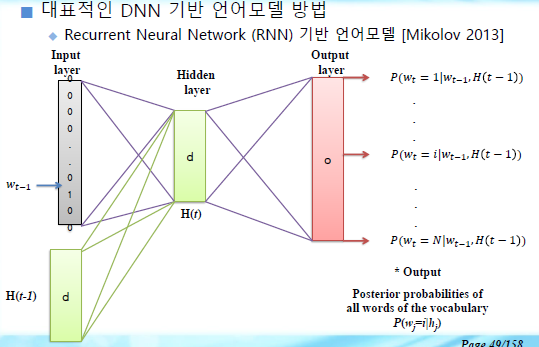
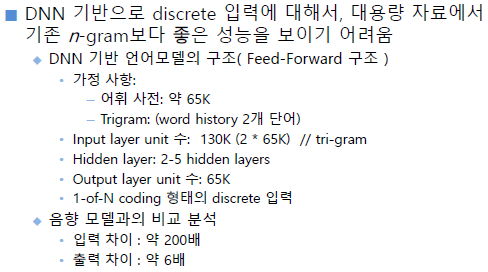
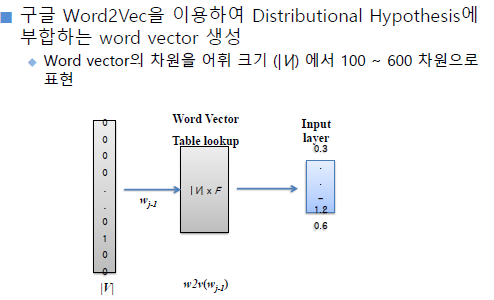
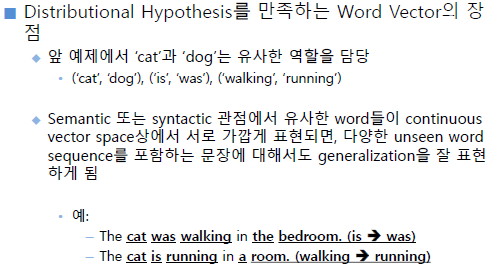
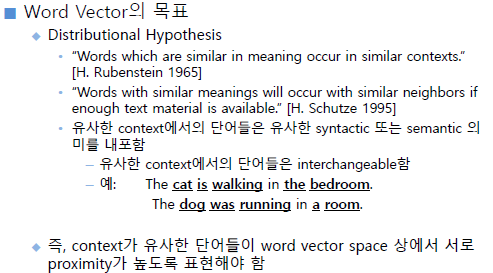
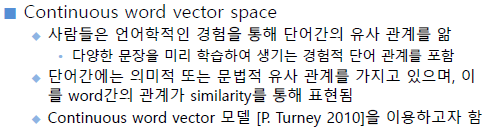
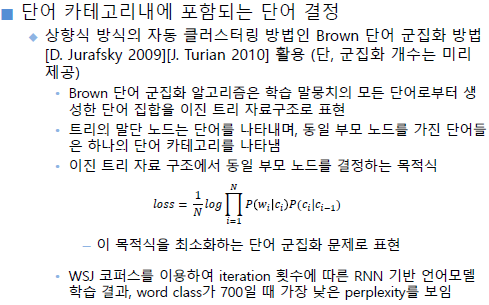
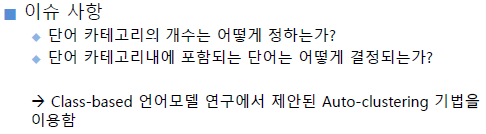
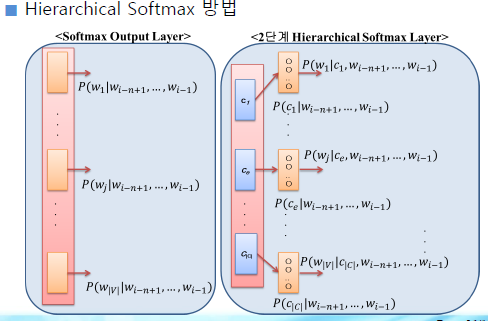
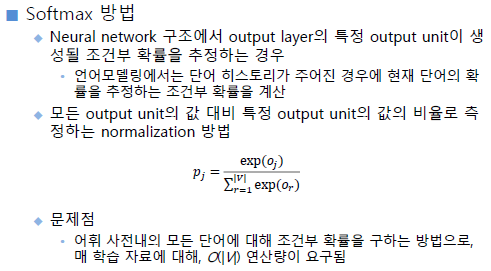
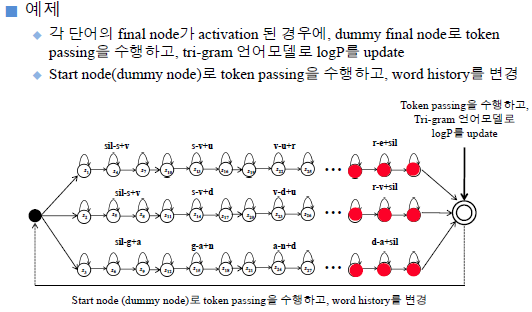
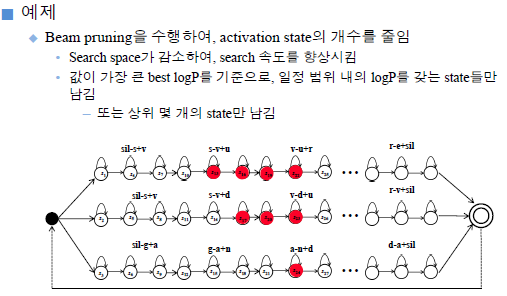
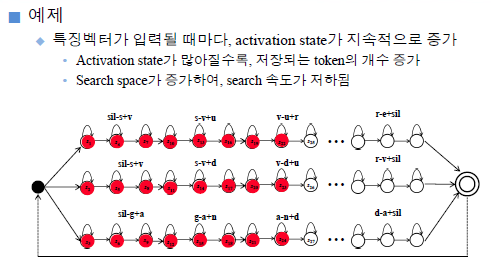
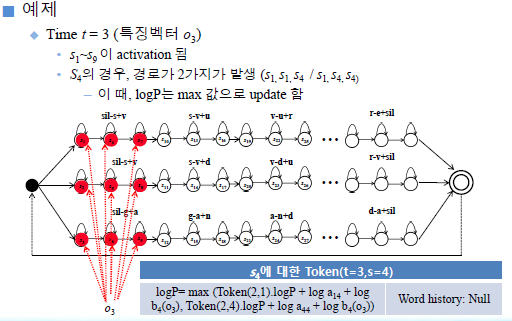
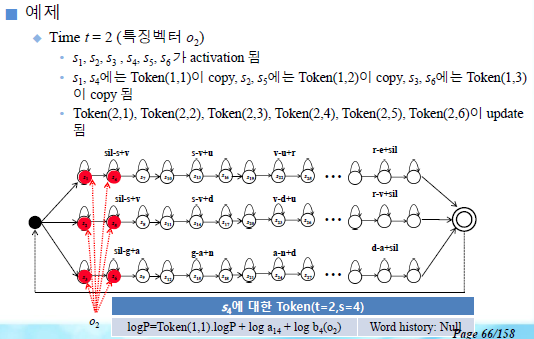
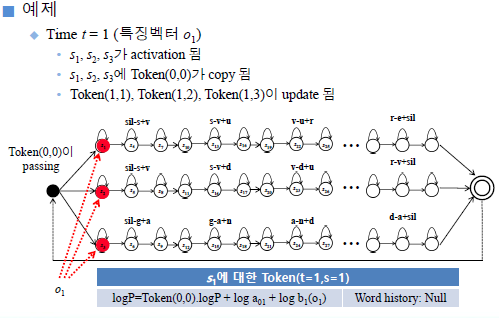
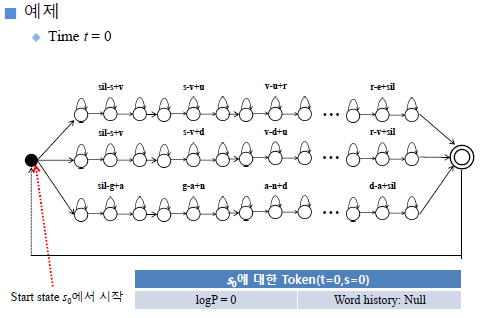
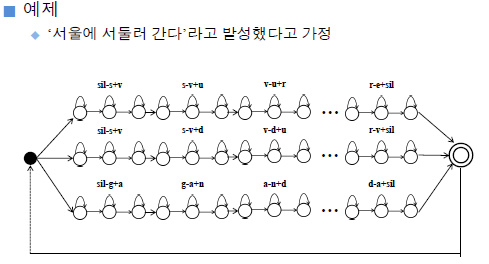
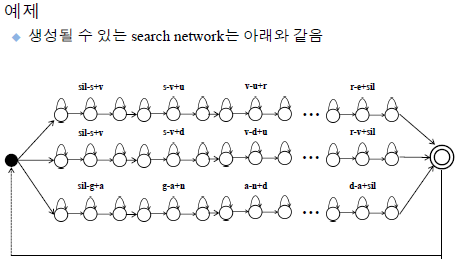
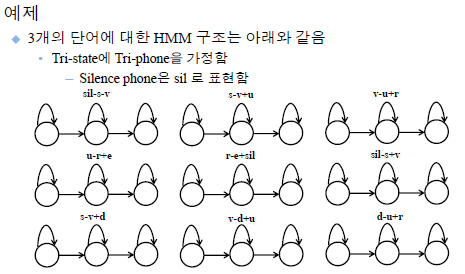
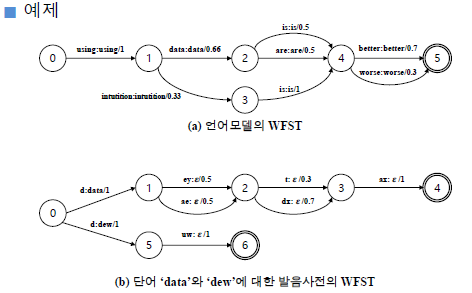
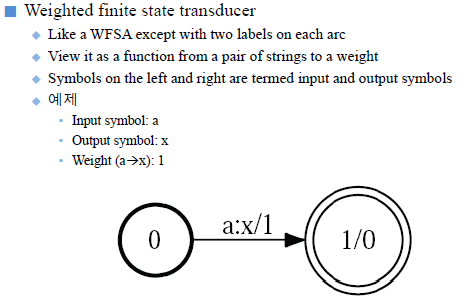
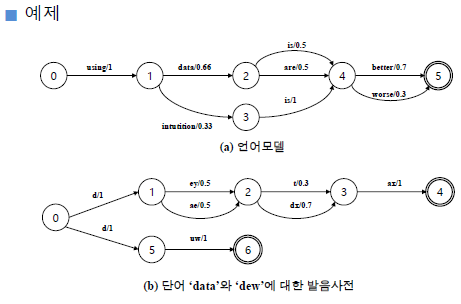
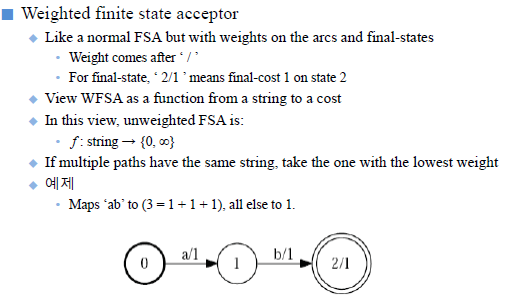
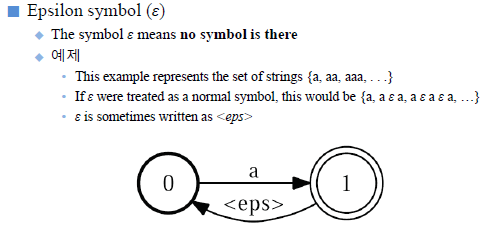
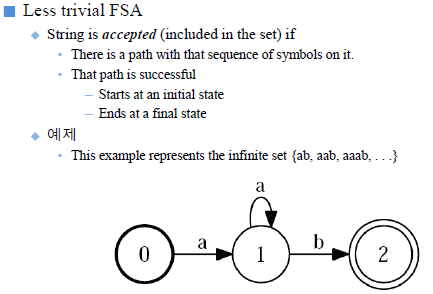
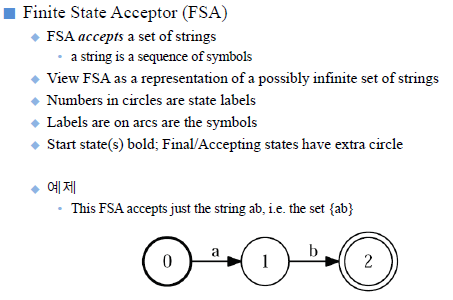
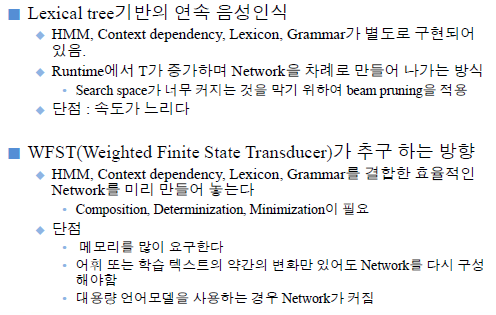
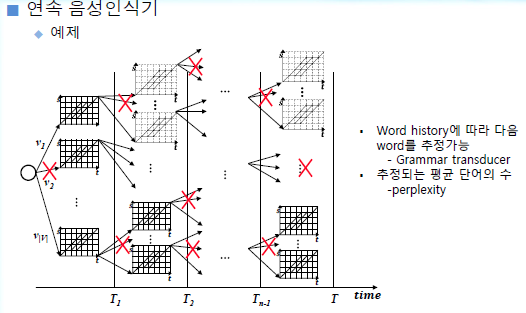
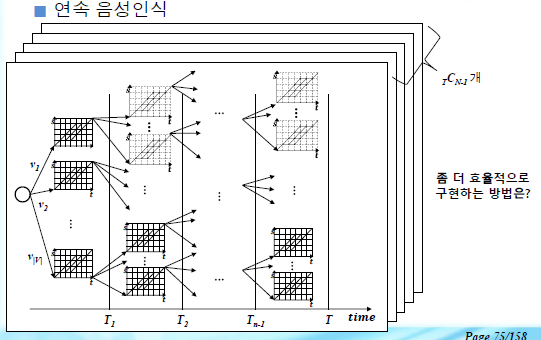
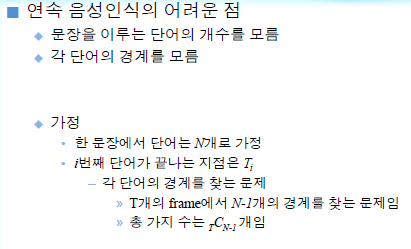
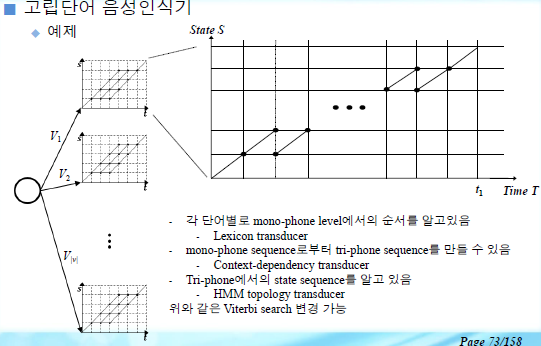
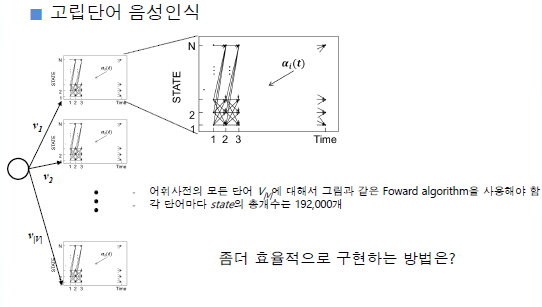
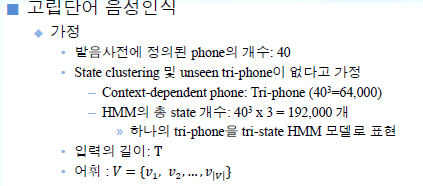
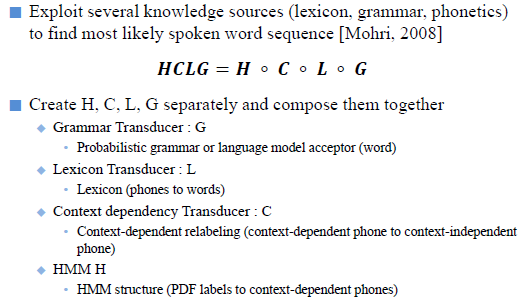
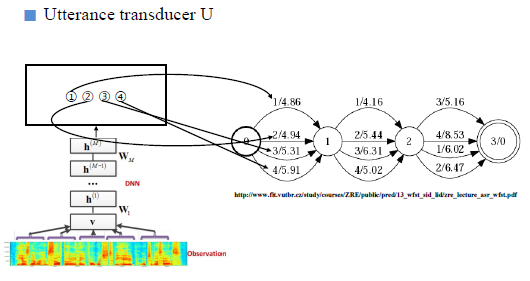
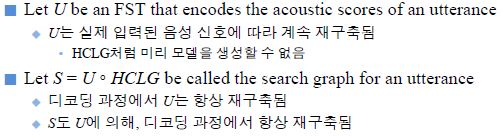
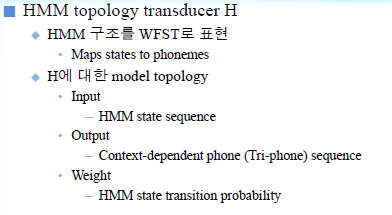
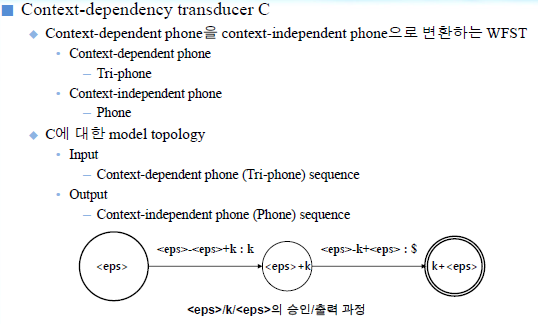
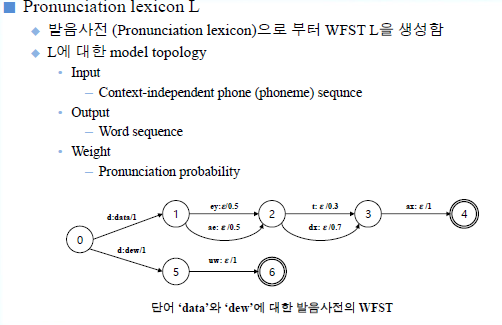
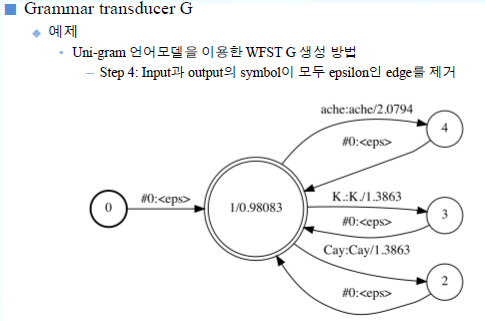
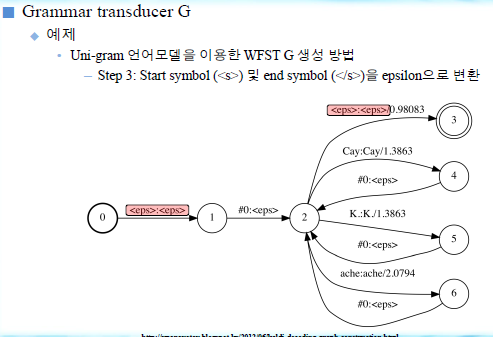
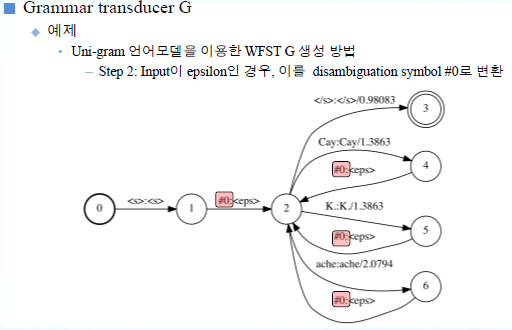
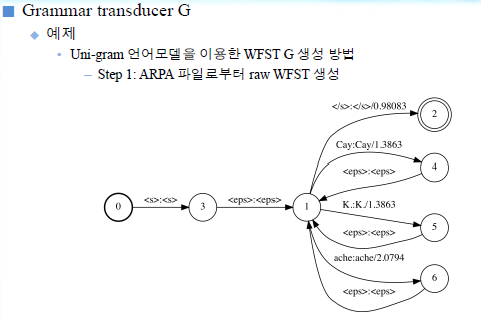
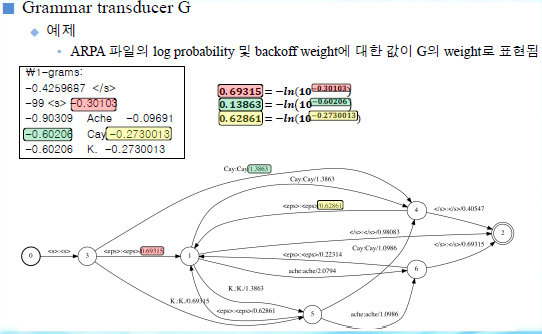
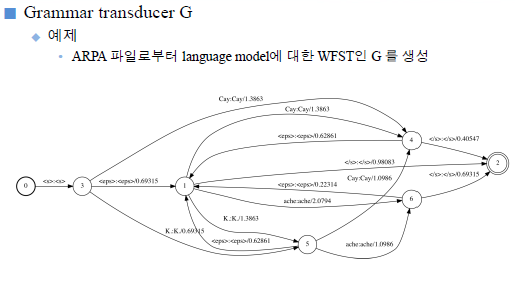
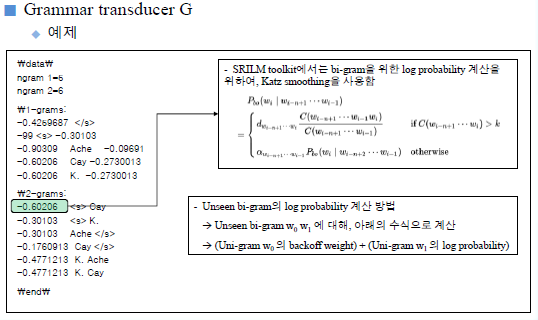
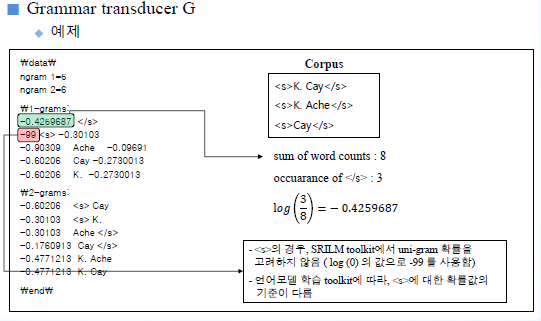
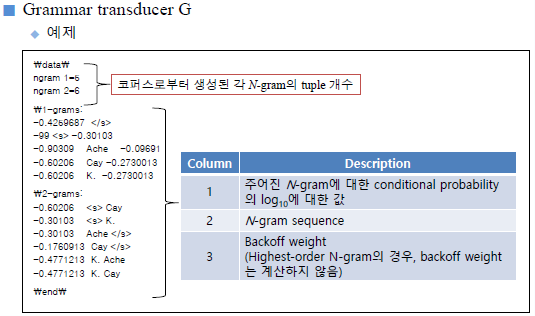
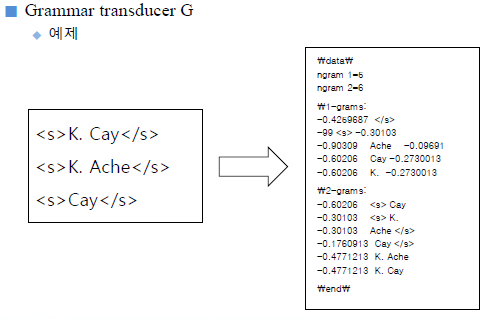
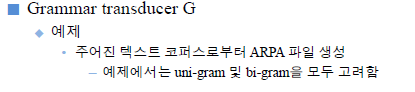
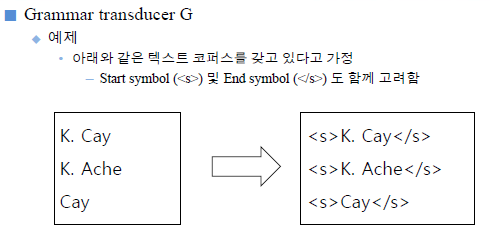
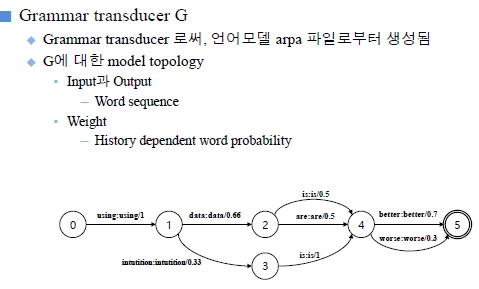
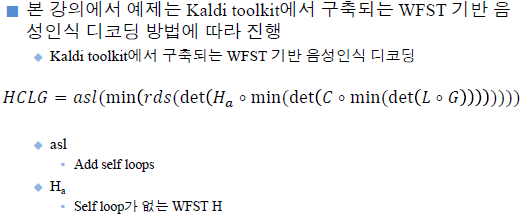
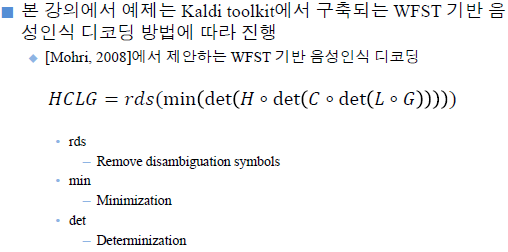
**언어 모델****n-gram**  
**3.1.1 Discounting  
3.1.2 Back-off 언어모델  
  
3.1.3 Language Model Scaling  
3.1.4 Text Corpora Nomalization  
3.1.5 언어 모델 평가척도(Perplexity)  
3.1.6 Relationship between PP and WER  
**

**3.1.7 언어모델 Interpolation  
3.2 카테고리 기반 언어모델  
3.2.1 품사기반 카테고리 언어모델  
  
  
3.2.1 품사기반 카테고리 언어모델 - 개체명  
  
3.2.2 단어 카테고리 자동생성  
  
3.3.1 DNN 기반 언어모델  
  
3.3.2 Word Vector를 이용한 입력 차원 감소  
  
3.3.3 Hierarchical softmax를 이용한 출력차원감소  
**

**4.1 Lexical Tree 기반 Search  
  
4.2.1 Weighted Finite State Transducer(WFST)개요  
  
4.2.2 WFST 기반 디코딩 구성요소  
  
**