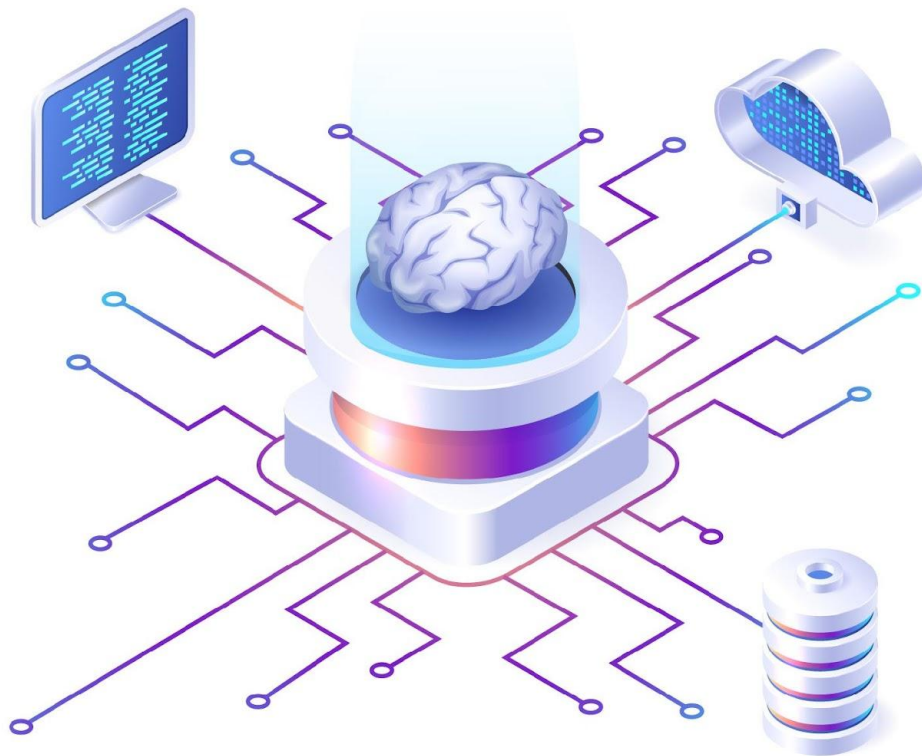
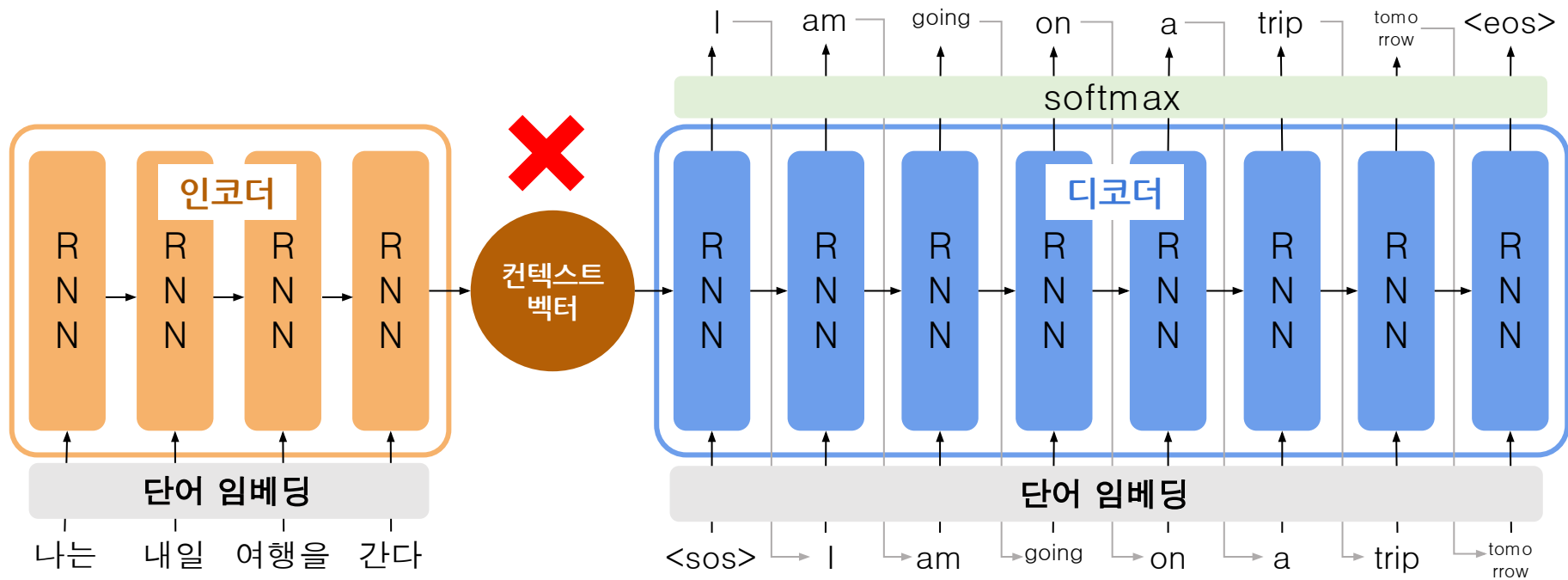


Seq2Seq (Attention Mechanism)

실무형 인공지능 자연어처리

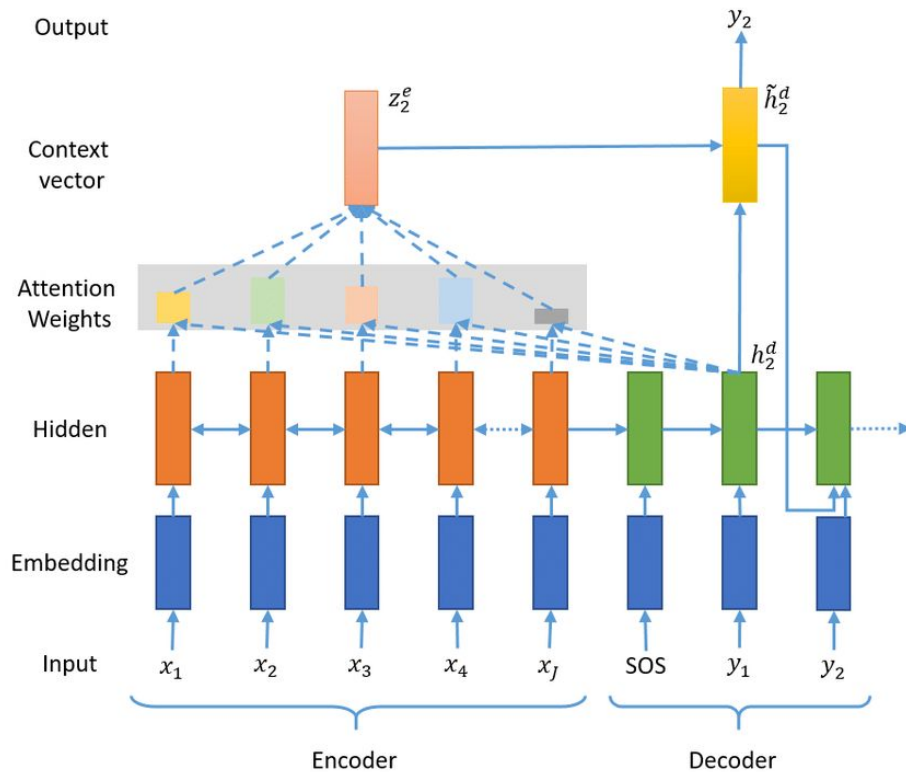


Seq2Seq 의 문제



입력 시퀀스의 길이에 상관없이 단일 컨텍스트 벡터로 표현하여 정보 병목(Information Bottleneck) 현상이 발생

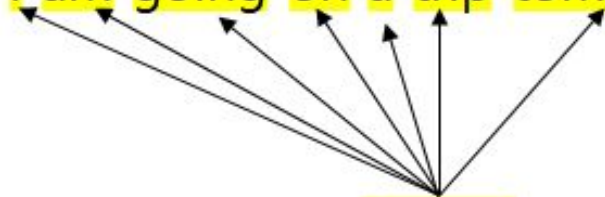
Attention Mechanism



디코더에서 예측시 인코더에서 집중(Attention)할 정보를 더 고려하여 예측

Attention Mechanism

I am going on a trip tomorrow.



나는 내일 여행을 간다.

Seq2Seq 결과 예측 방식

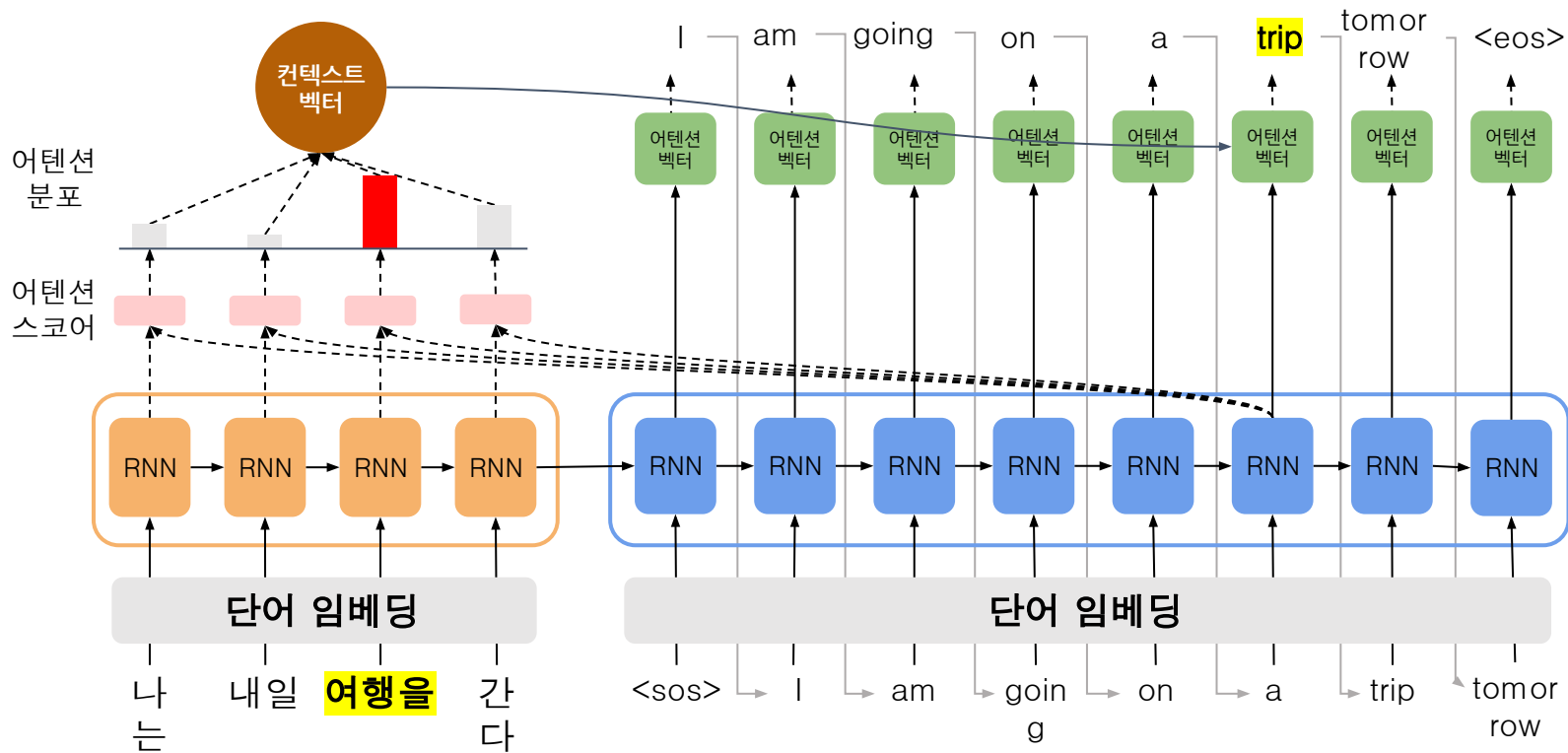
I am going on a trip tomorrow.



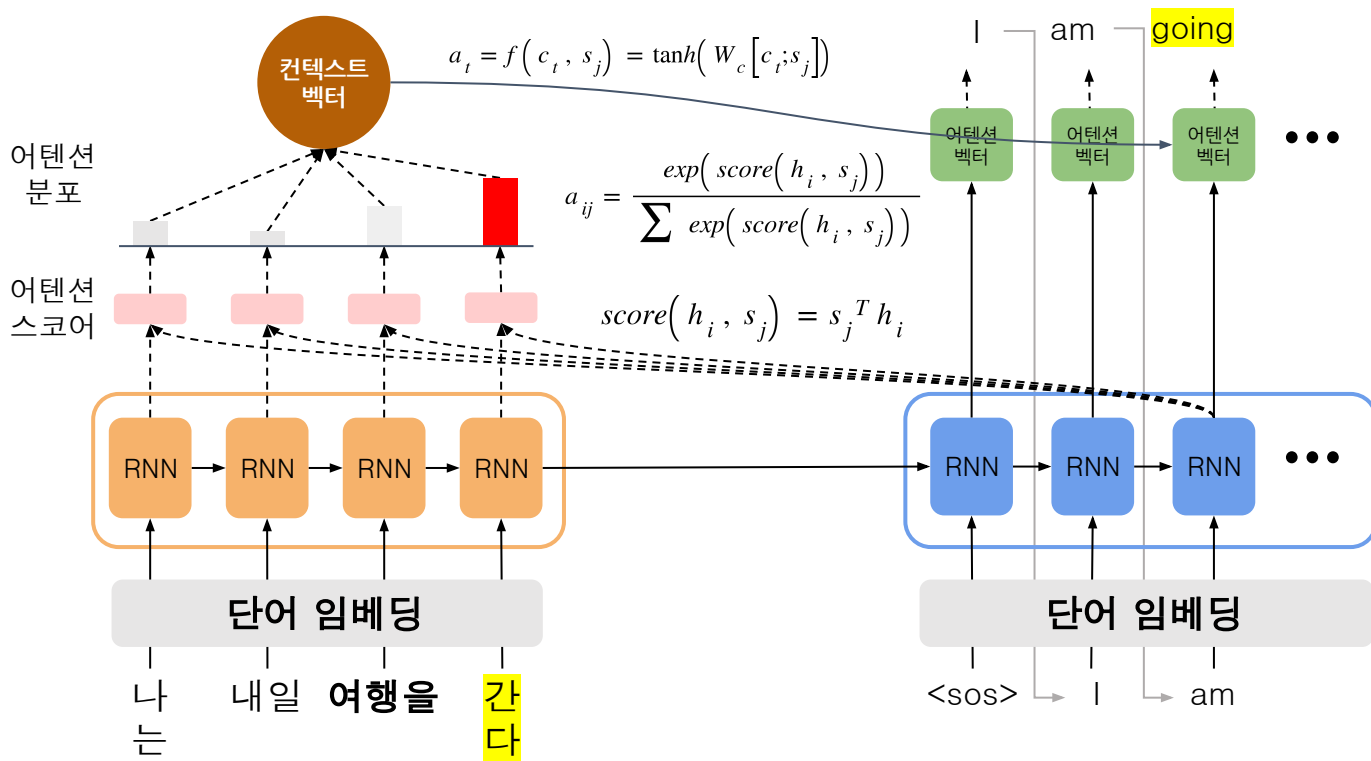
Attention 결과 예측 방식

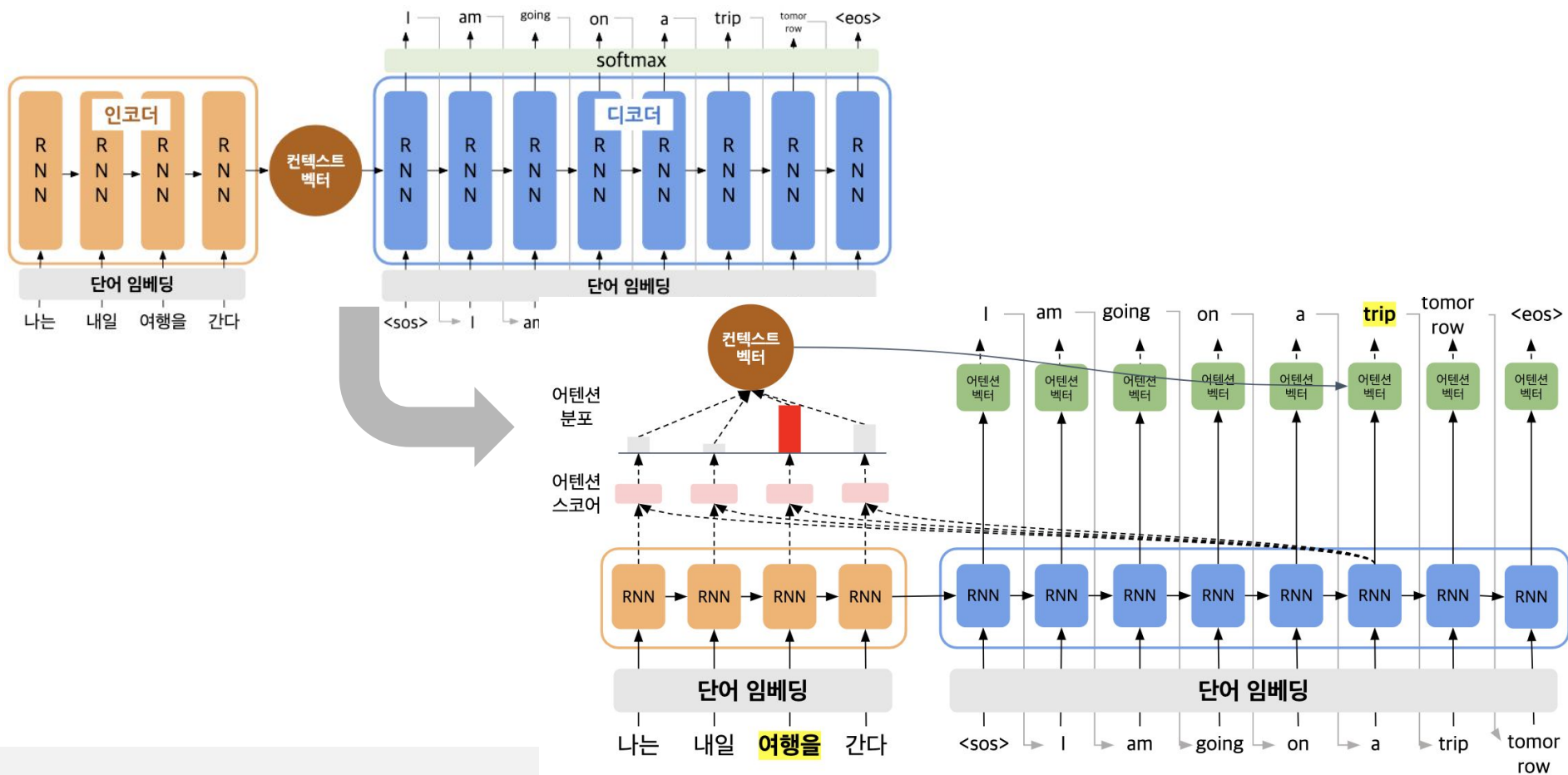
디코더에서 예측시 인코더에서 집중(Attention)할 정보를 더 고려하여 예측

Attention Mechanism



Attention Mechanism



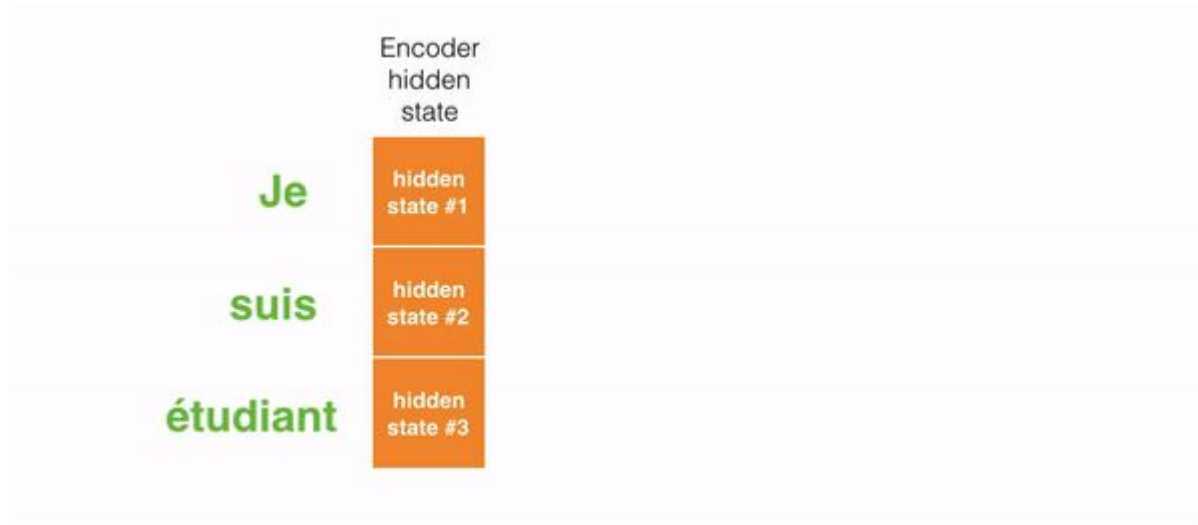


Attention Mechanism 과정 (1)

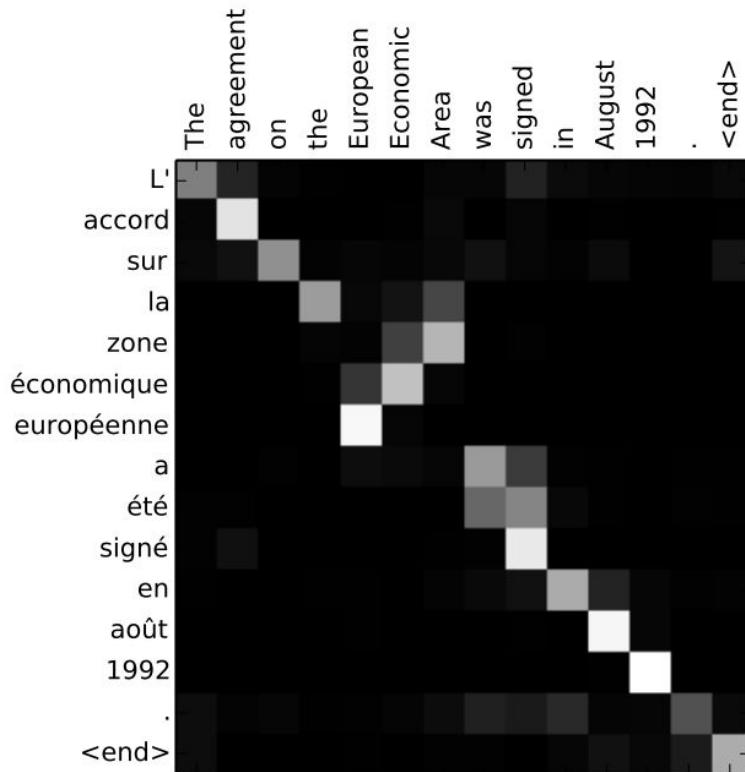
Attention at time step 4



Attention Mechanism 과정 (2)



Attention Mechanism 과정 (3)



감사합니다.

Insight⁺campus

