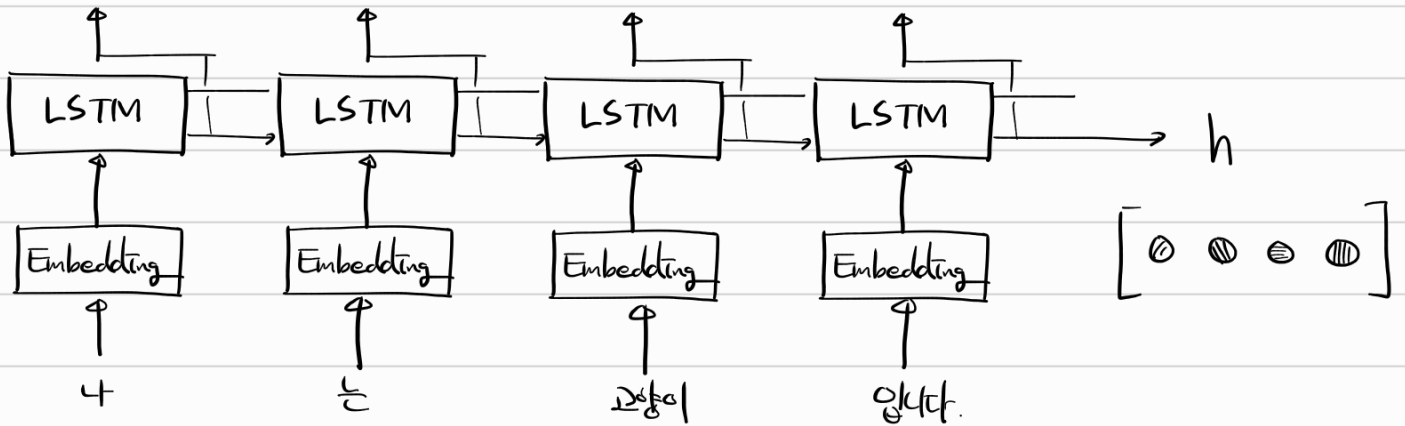
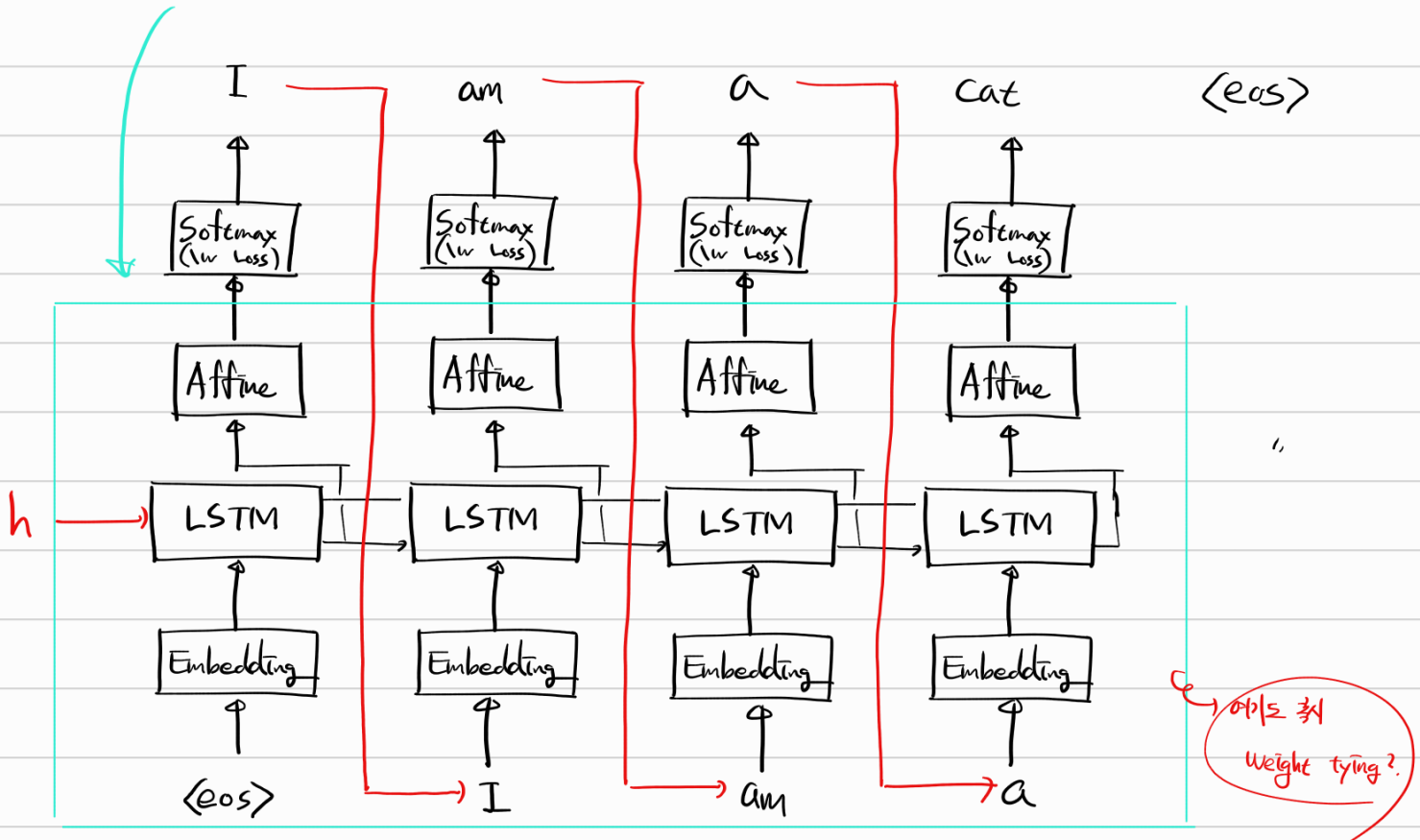


# CH. 1 Seq2Seq

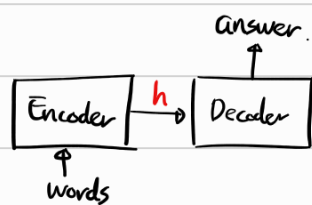
## Def 1.1 Encoder



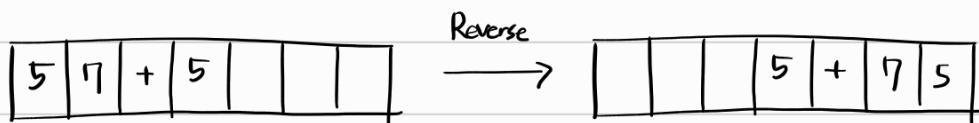
## Def 1.2 Decoder



## Def 1.3 Seq2Seq



## Thm 2.1 Reverse



이러한 방법이 효과적인 수 있는데, 그러한 이유는 아래 예시로부터 유추 가능

ex) 나는 고양이로구나. → I am a cat

← back propagation path,

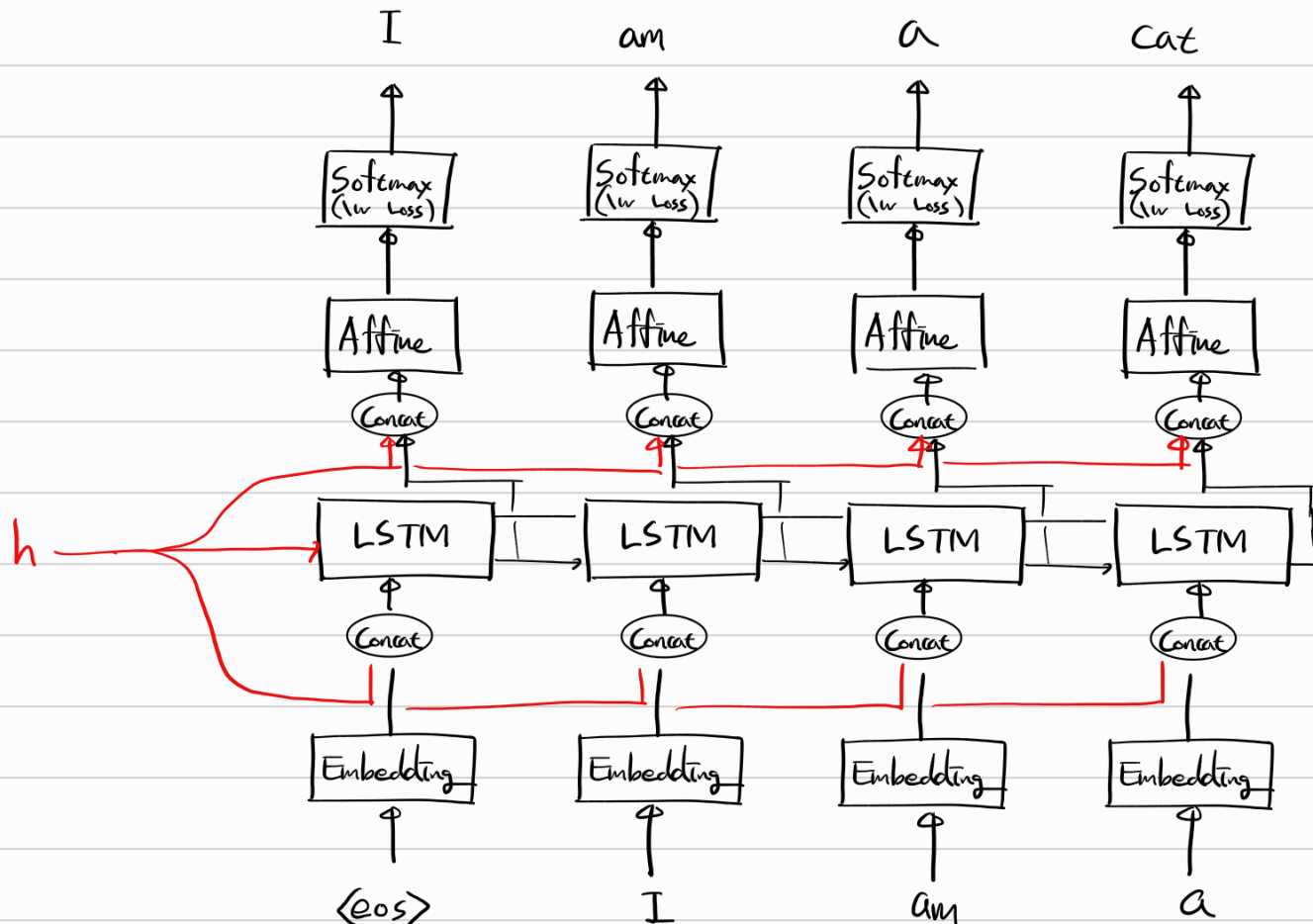
이다 그 고양이 는 나 → I am a cat

← 가중치 전파 원리

but 파장은 변화 X ...

## Thm 2.2 Peeky

$h$ 를 공유한다! ( $\Rightarrow$  파라미터 거의 2배 증가...)



## CH.3 Seq2Seq Application.

### Note 3.1

Seq2Seq 챗봇, Algorithm Problem 학습 가능.

### Thm 3.2 Image captioning

