



Training objective for G



Training objective for R



Training objective for F

*SEM* Semantic distance

## Text Encoder

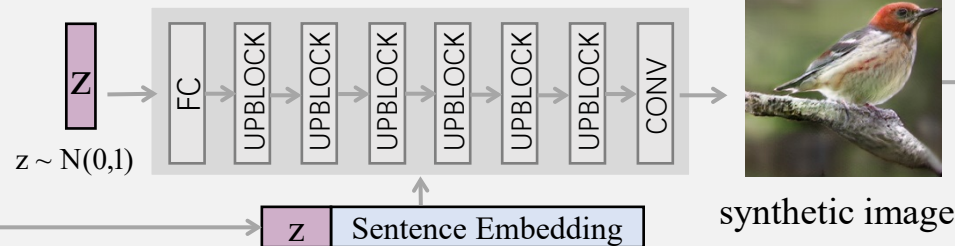
LSTM-based encoder

BERT-based encoder

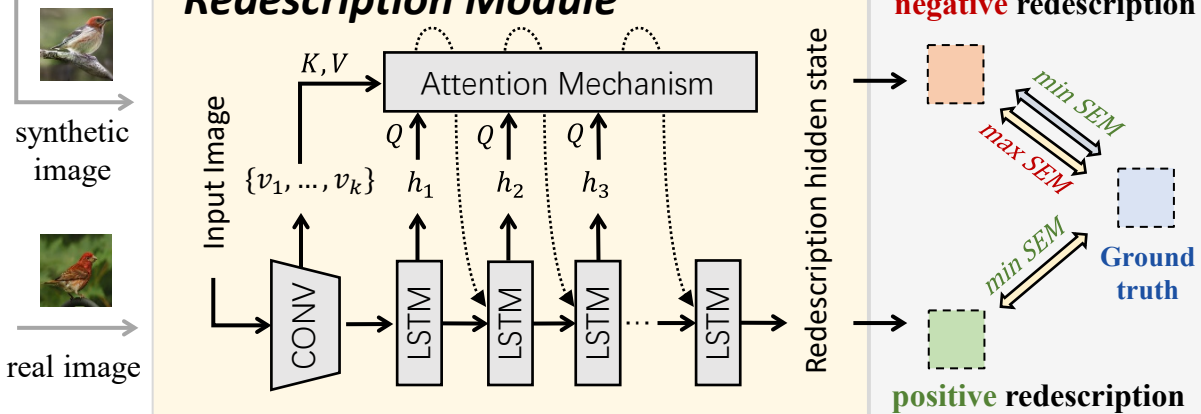
this bird has a tan beak, a  
bright red crown, and red and  
brown feathers on its wings

text description

## Image Generator



## Redescription Module



## Feature Extractor

