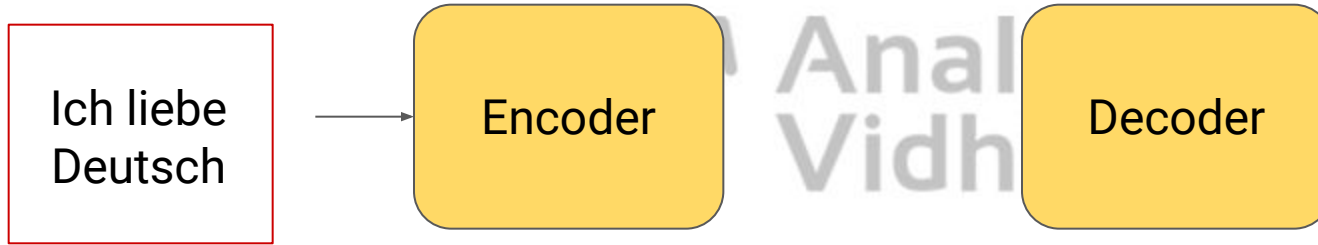


# Architecture of Sequence-to-Sequence Model

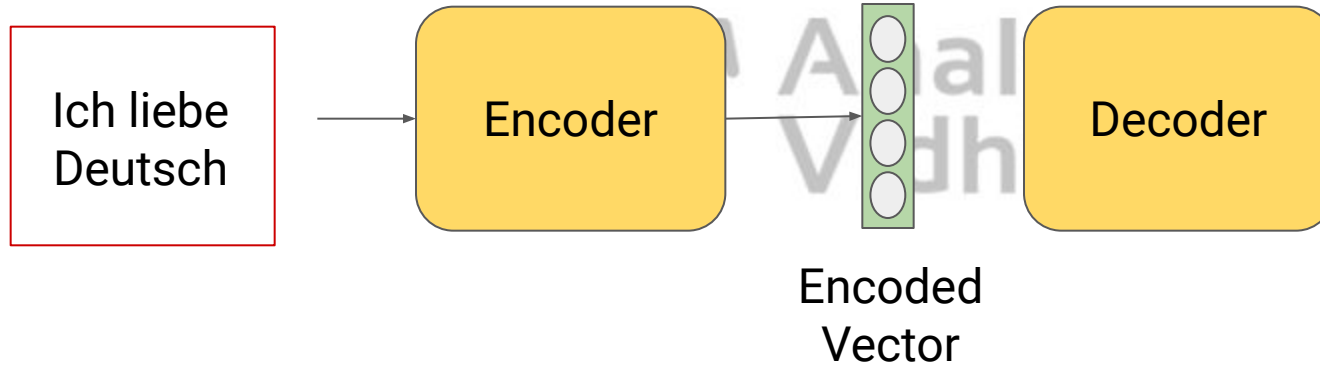
# Encoder-Decoder Architecture



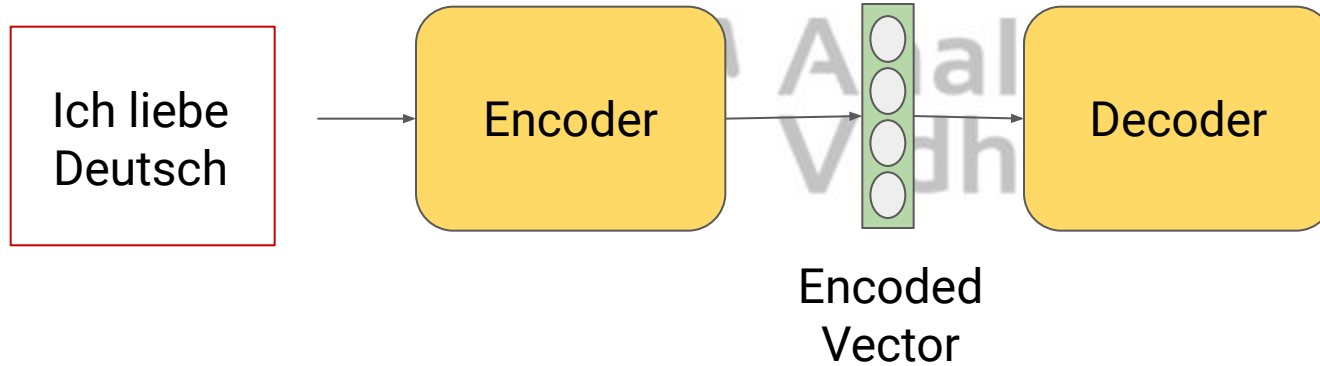
# Encoder-Decoder Architecture



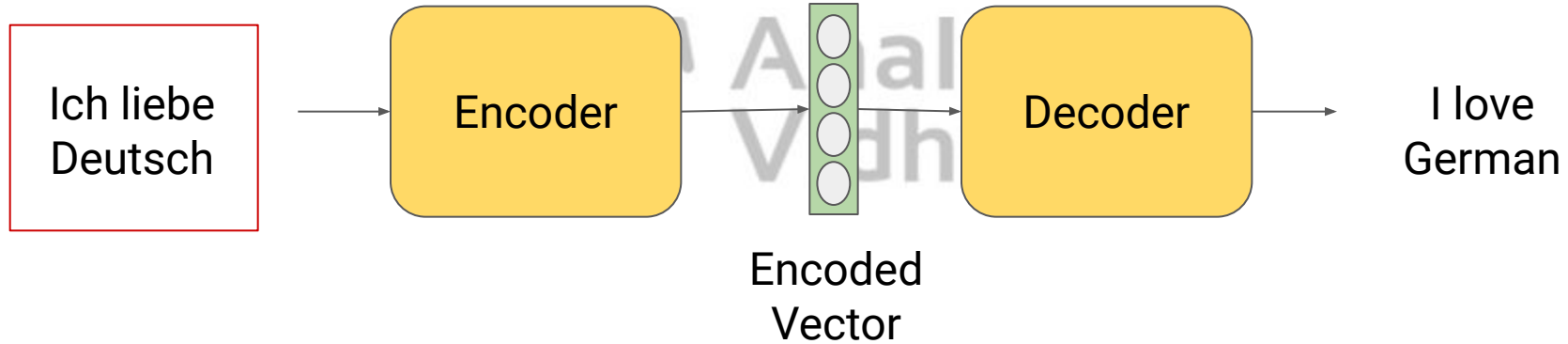
# Encoder-Decoder Architecture



# Encoder-Decoder Architecture



# Encoder-Decoder Architecture



# Understanding Working of Encoder and Decoder

# Understanding Working of Encoder and Decoder

## ❏ Training Phase





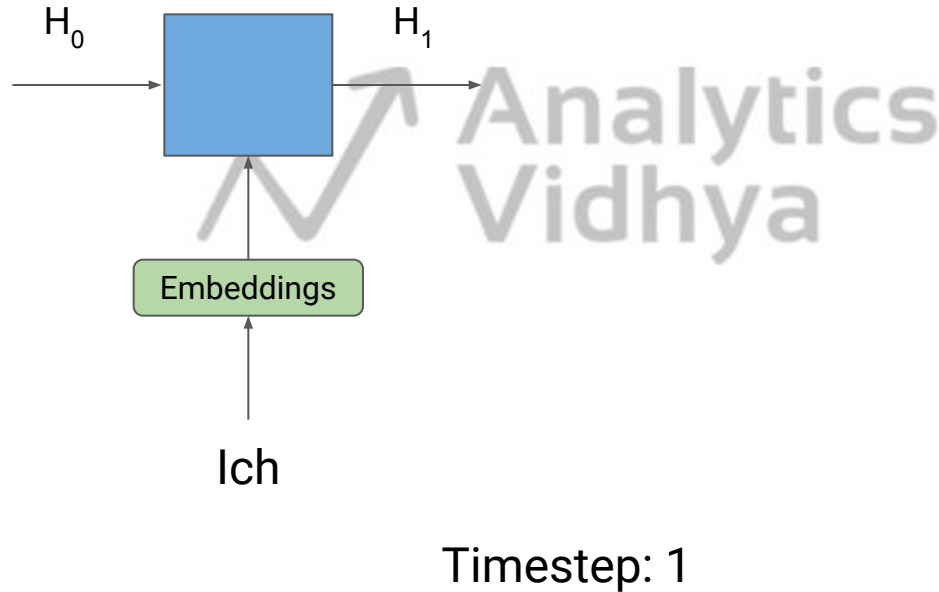
# Understanding Working of Encoder and Decoder

- ❑ Training Phase
- ❑ Inference Phase



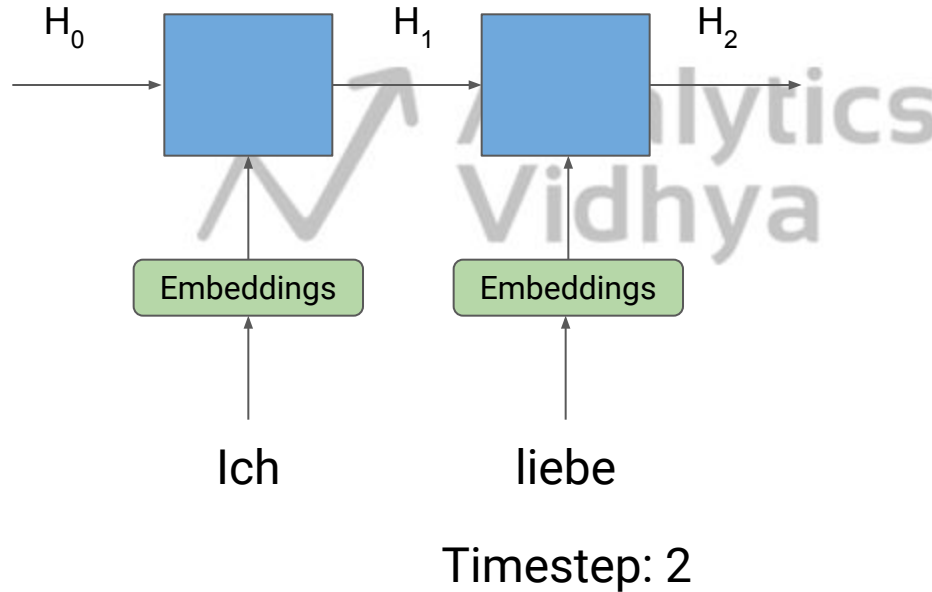
# Encoder (Training Phase)

**Input:** Ich liebe Deutsch



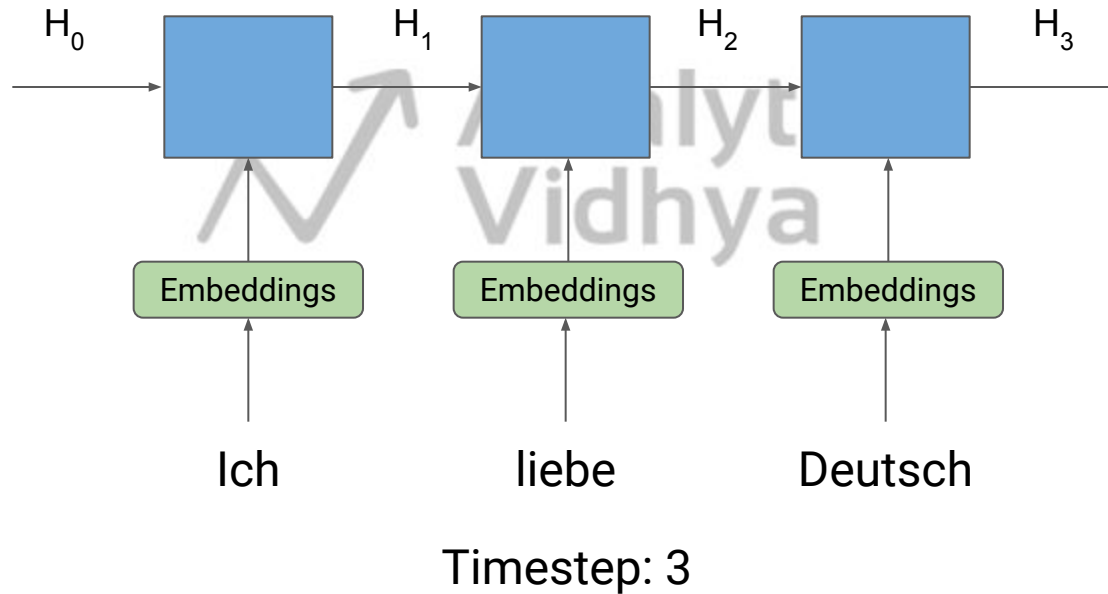
# Encoder (Training Phase)

**Input:** Ich liebe Deutsch



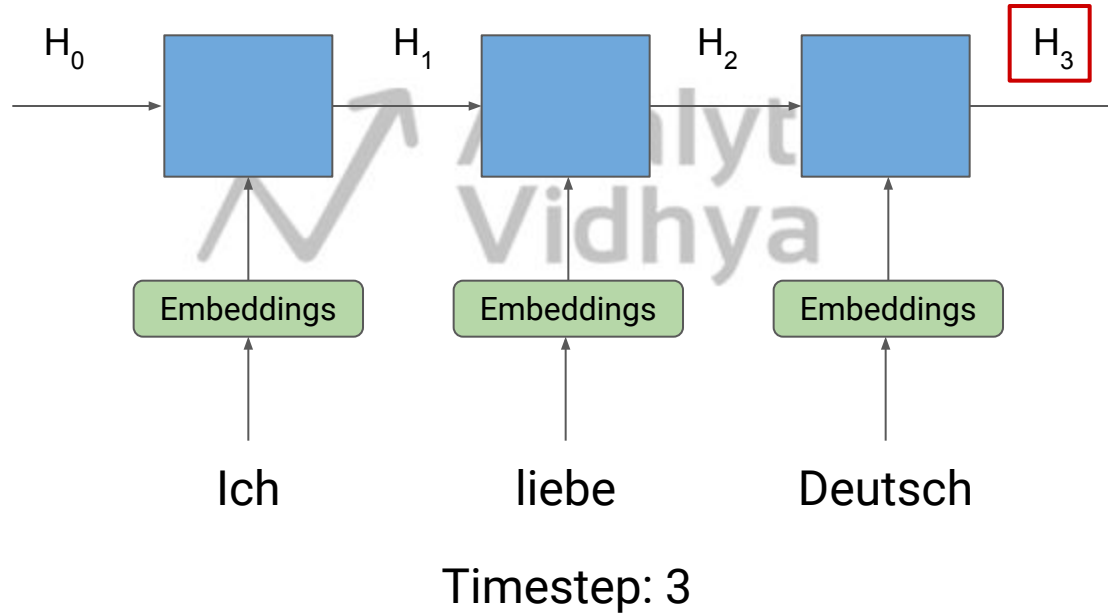
# Encoder (Training Phase)

Input: Ich liebe Deutsch

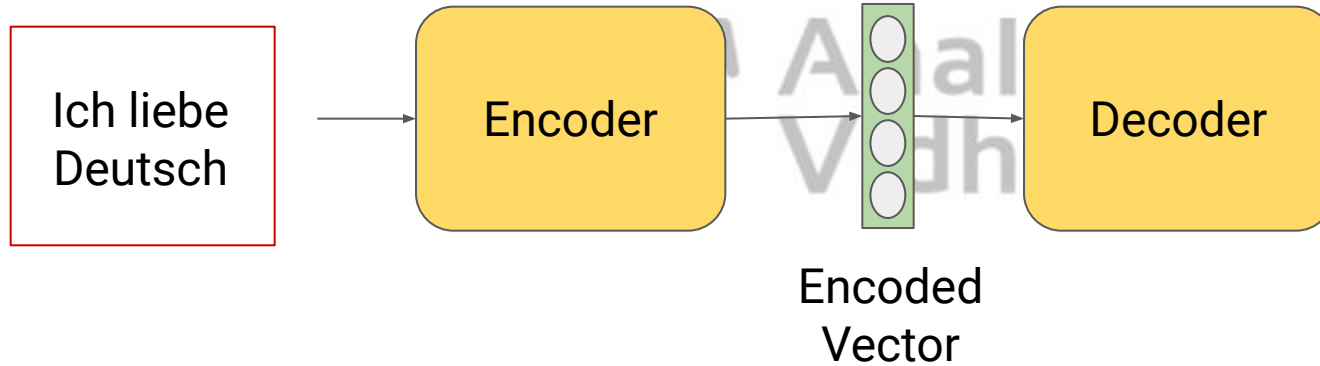


# Encoder (Training Phase)

Input: Ich liebe Deutsch

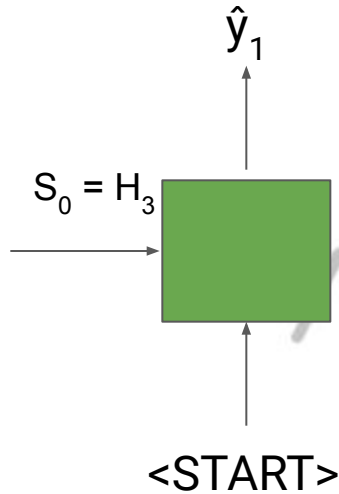


# Encoder-Decoder Architecture



# Decoder (Training Phase)

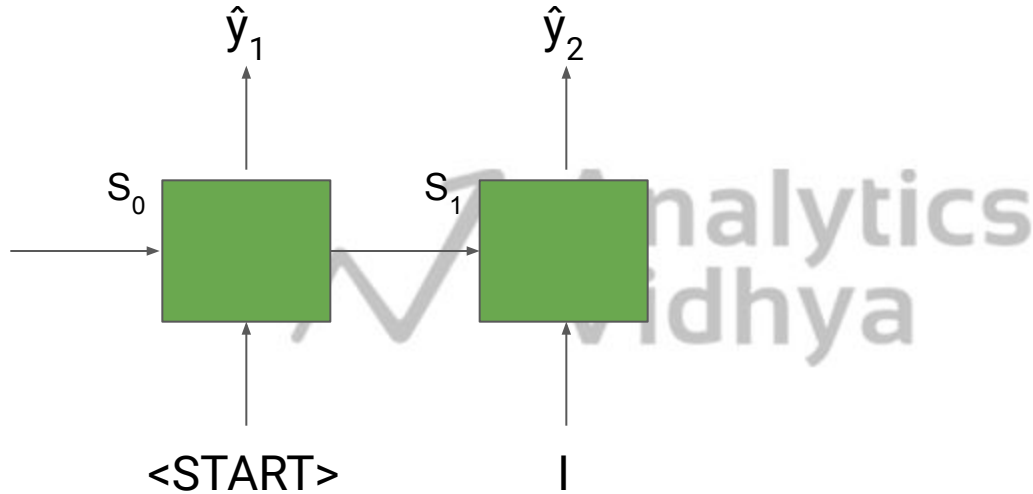
Target: I love German



Timestep: 1

# Decoder (Training Phase)

Target: I love German

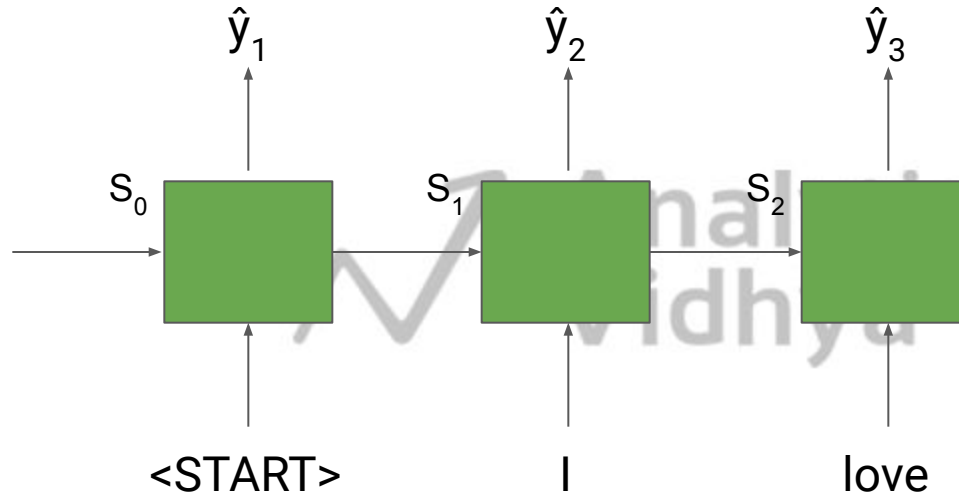


Timestep: 2



# Decoder (Training Phase)

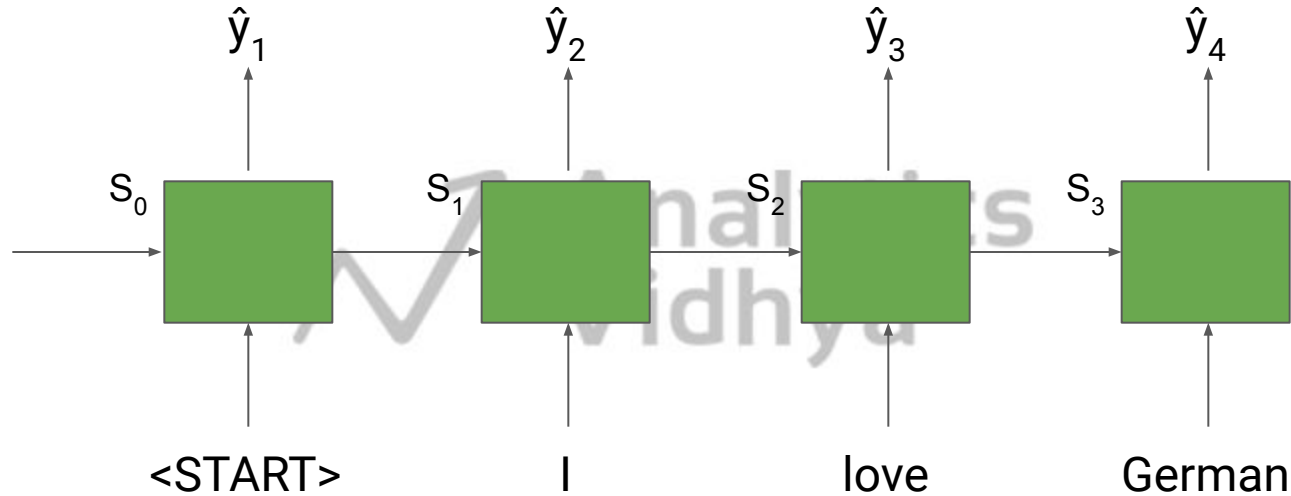
Target: I love German



Timestep: 3

# Decoder (Training Phase)

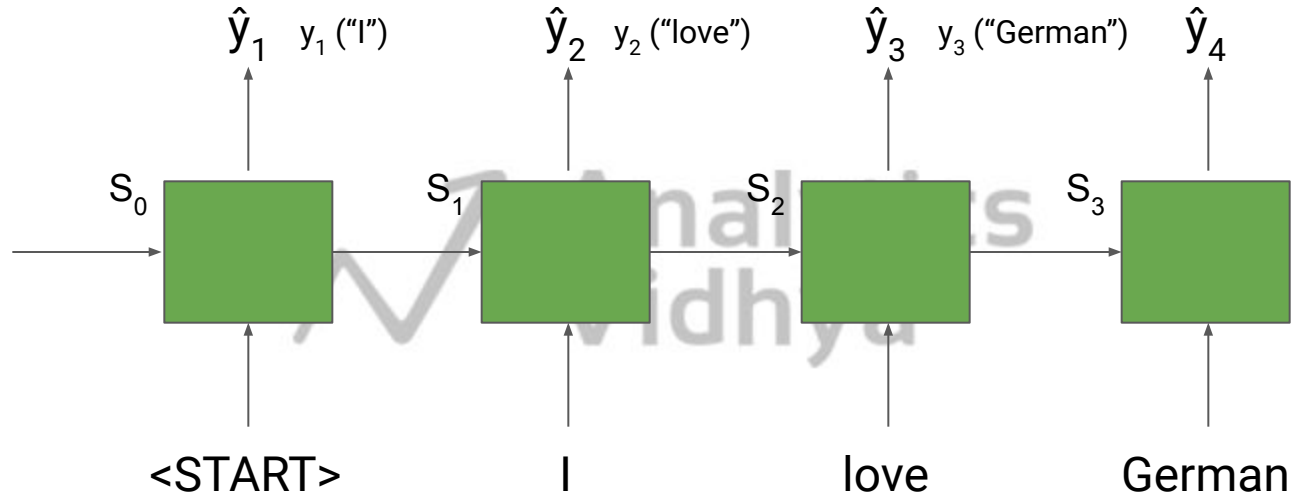
Target: I love German



Timestep: 4

# Decoder (Training Phase)

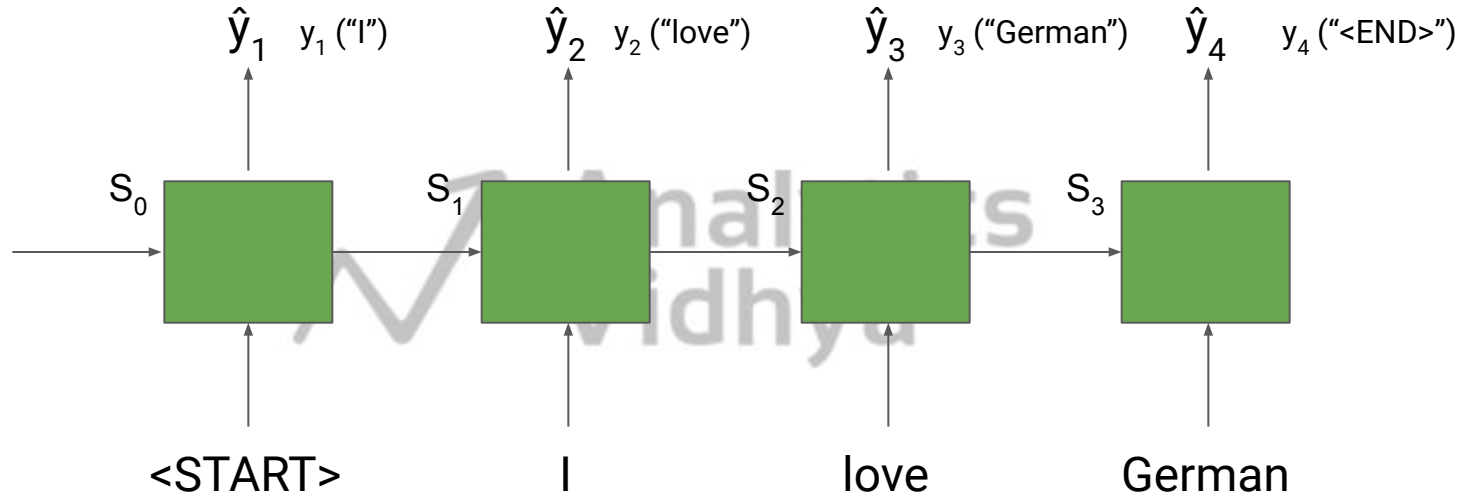
Target: I love German



Timestep: 4


# Decoder (Training Phase)

Target: I love German <END>



Timestep: 4

# Understanding Working of Encoder and Decoder

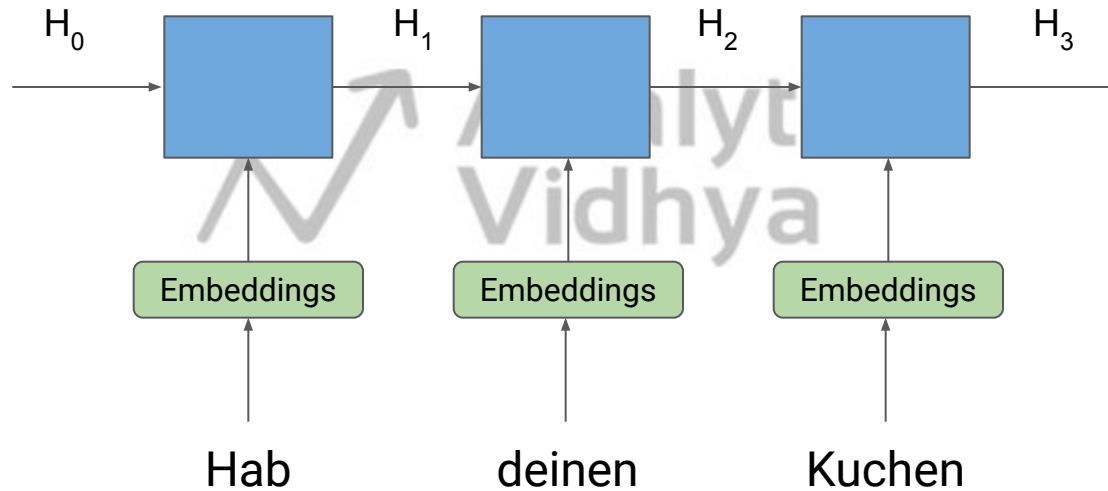
☐ Training Phase 

☐ Inference Phase

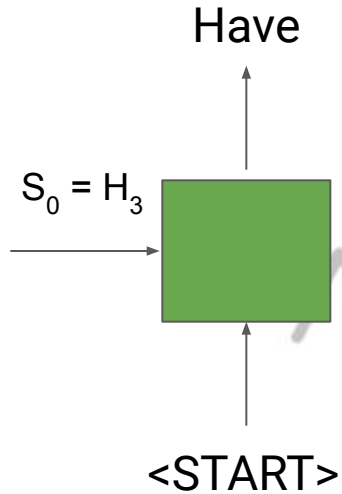


# Encoder (Inference Phase)

**Input:** Hab deinen Kuchen

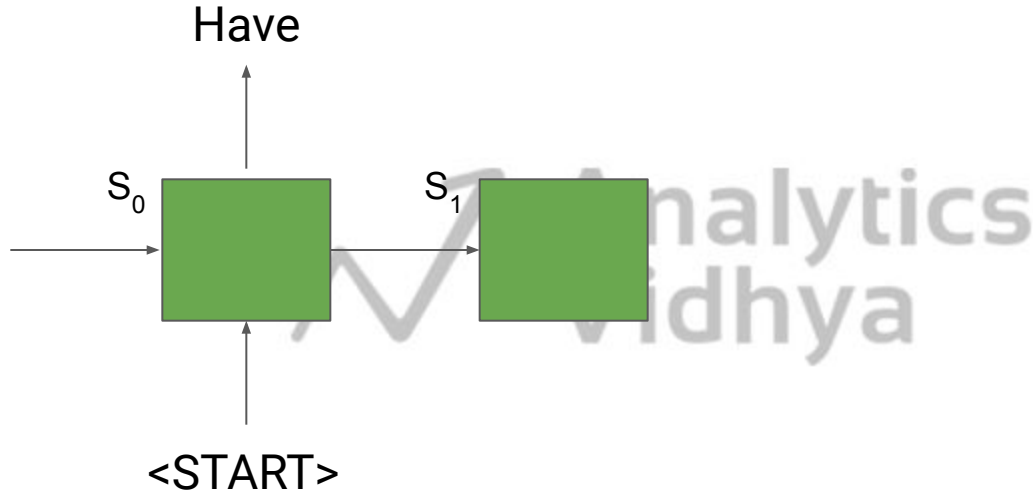


# Decoder (Inference Phase)



Timestep: 1

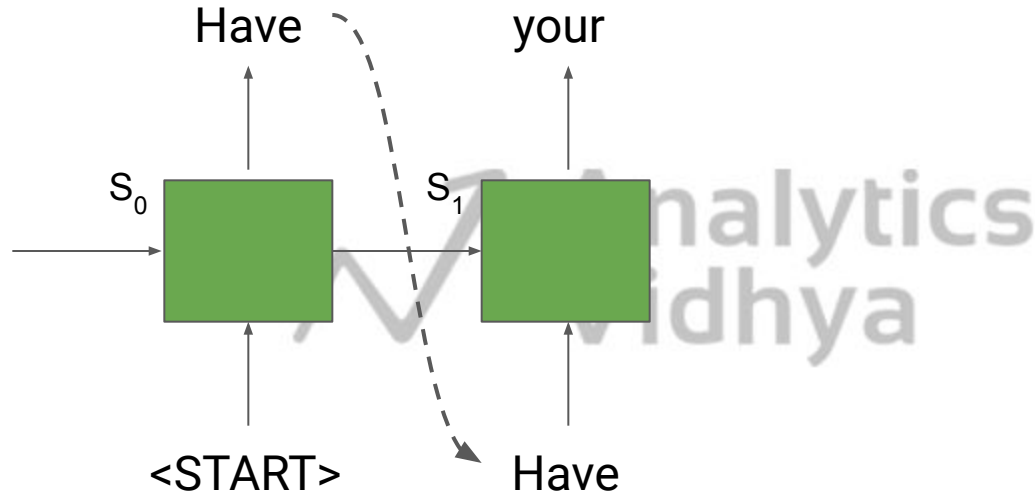
# Decoder (Inference Phase)



Timestep: 2

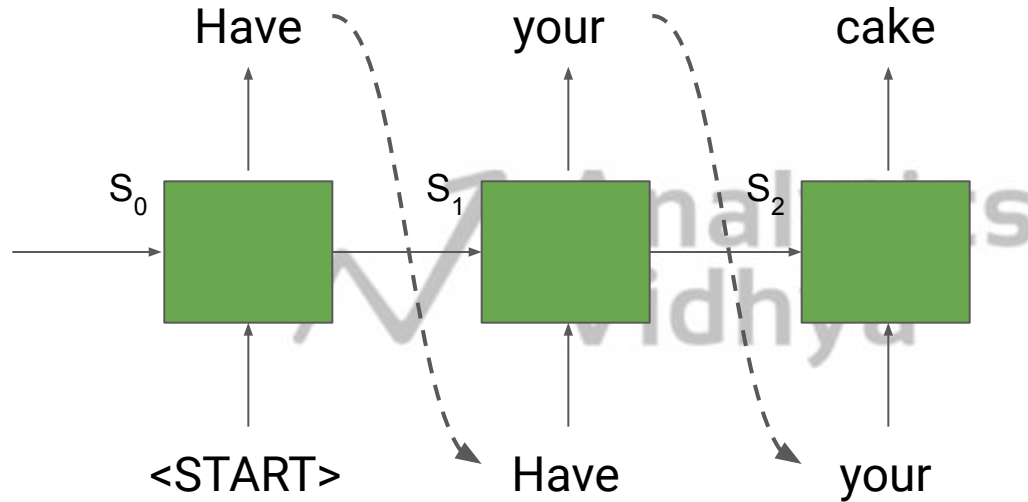


# Decoder (Inference Phase)



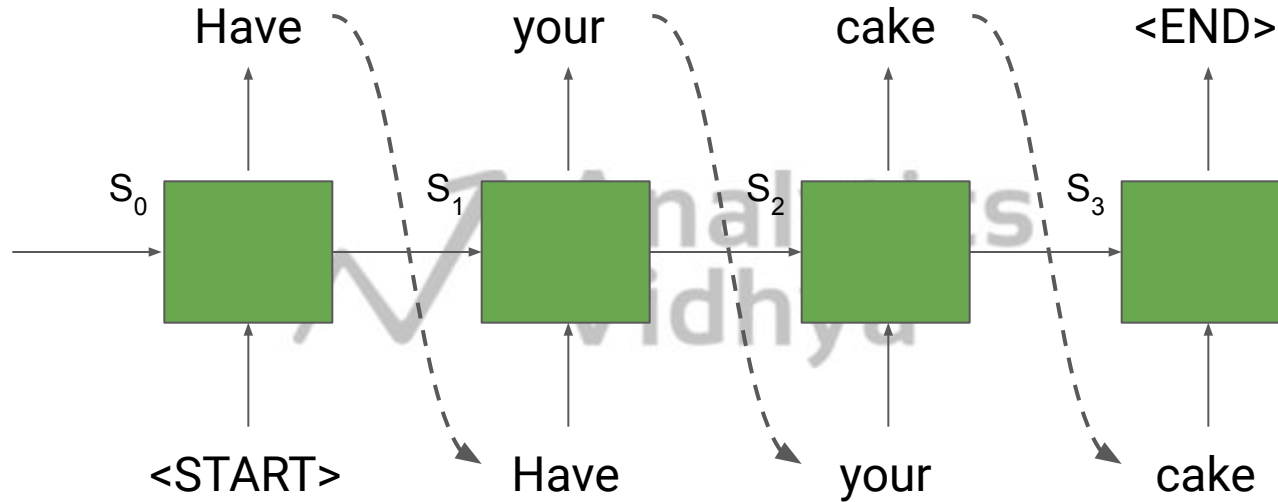
Timestep: 2

# Decoder (Inference Phase)



Timestep: 3

# Decoder (Inference Phase)



Timestep: 4



Thank You