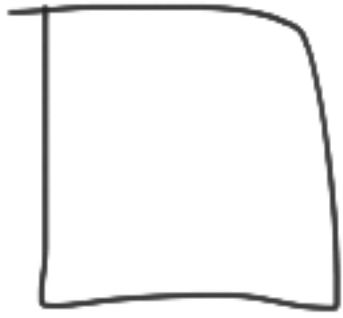


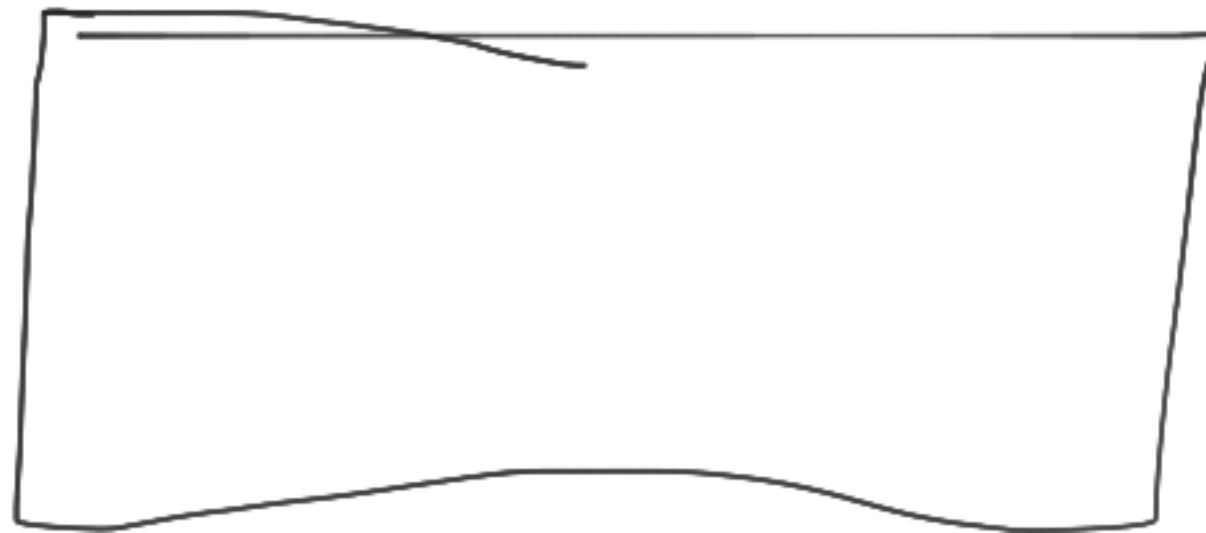
ANN (Text, Tabular, Image Classification)  
CNN - Media Files (Image, Videos, etc.)  
RNN - Text, Sequential Data



X AE 2343



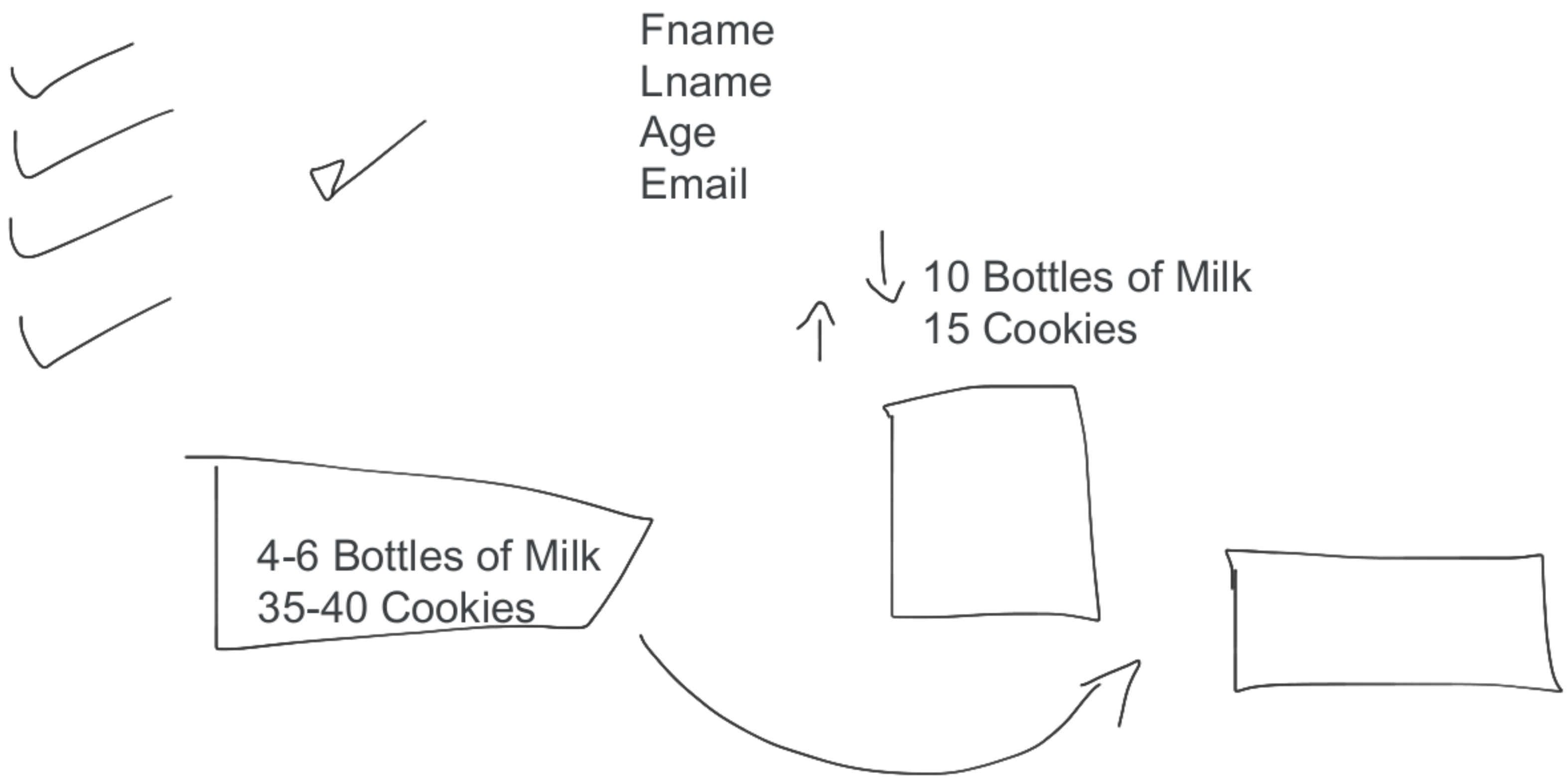
I will reach by time  
I will reach by car



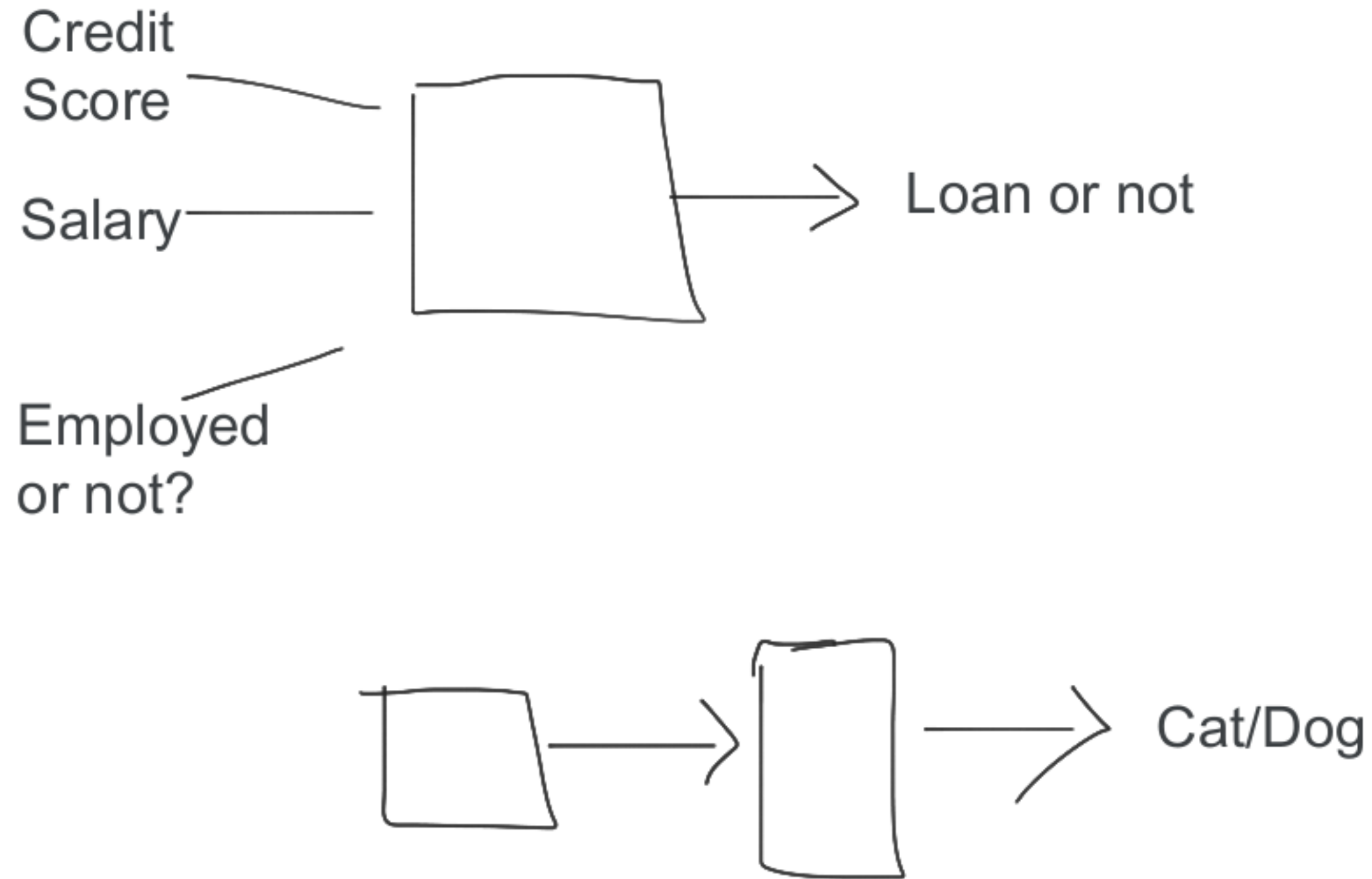
1. Auto Completion
2. Translator
3. NER - Name Entity Recognition
4. Sentimental Analysis
5. Recommendation System
6. Text Summarizers

Ramu has a car.

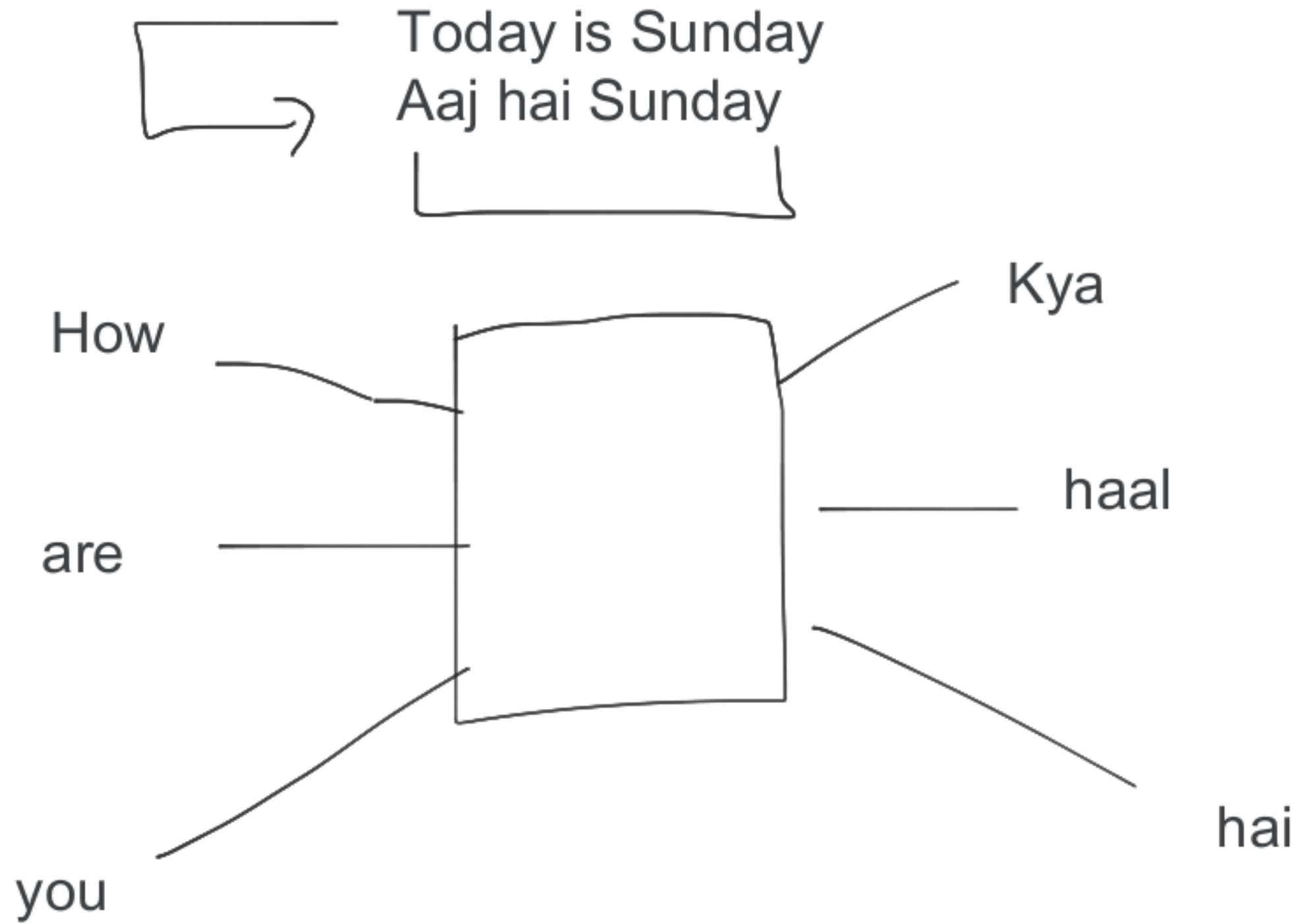
My name is Tony Stark and I am 42 years of old.



## RNN - Sequence Matters



RNN - How are you?



Tony does like Strange

Tony, does, like, Strange

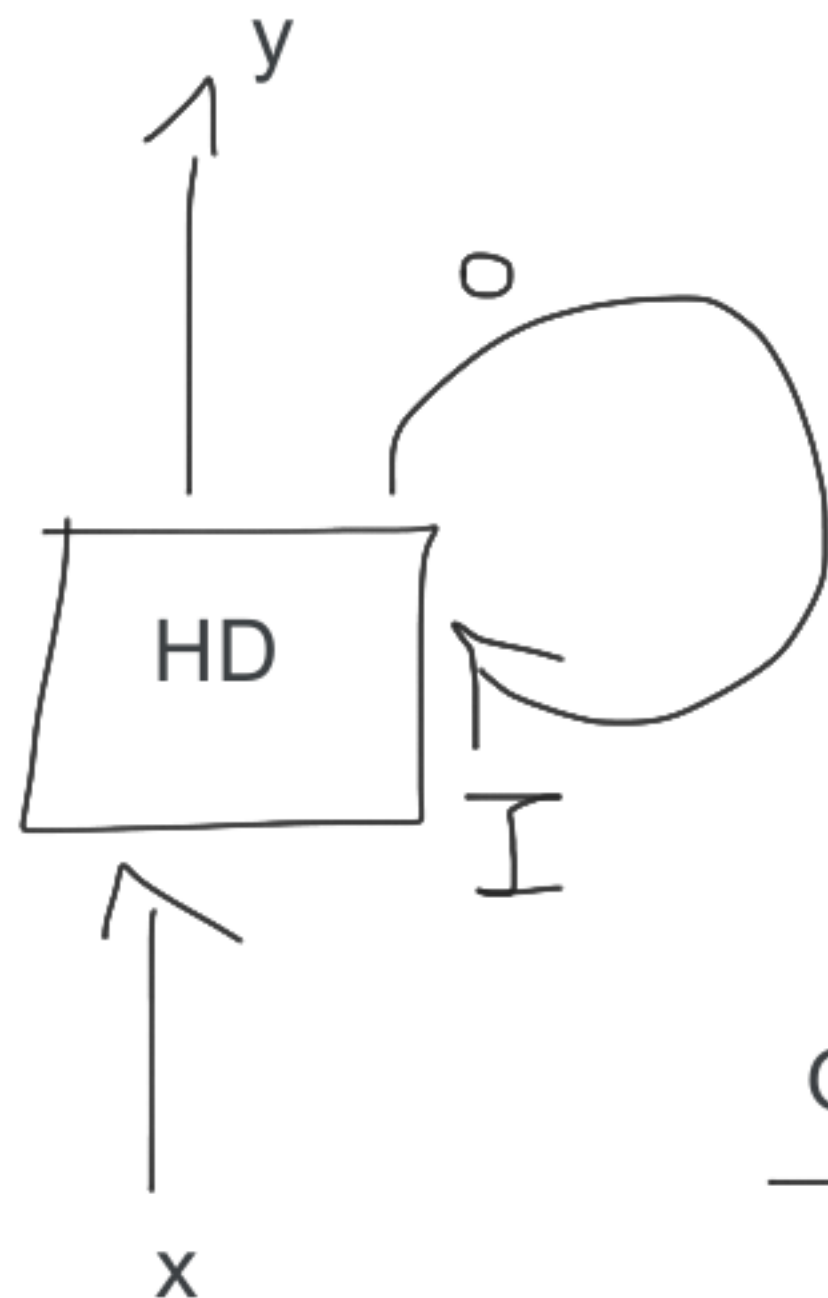
$x(1) \rightarrow X(11), X(12), X(13), X(14)$

$$O1 = f(X(11)*w1)$$

$$O2 = f(X(12)*w1 + O1*w1)$$

$$O3 = f(X(13)*w1 + O2*w1)$$

$$O4 = f(X(13)*w1 + O3*w1)$$



$O(0)$   
 $w1$

$t=1$



$X(11)$

$O(1)$   
 $w1$

$t=2$



$X(12)$

$O(2)$   
 $w1$

$t=3$



$X(13)$

$O(3)$   
 $w1$

$t=4$



$X(14)$

$O(4)$   
 $w1$

PO

Wanda has not kill vision  
Wanda has kill vision

<https://movie-recommend-sentiment.herokuapp.com/>

