



deeplearning.ai

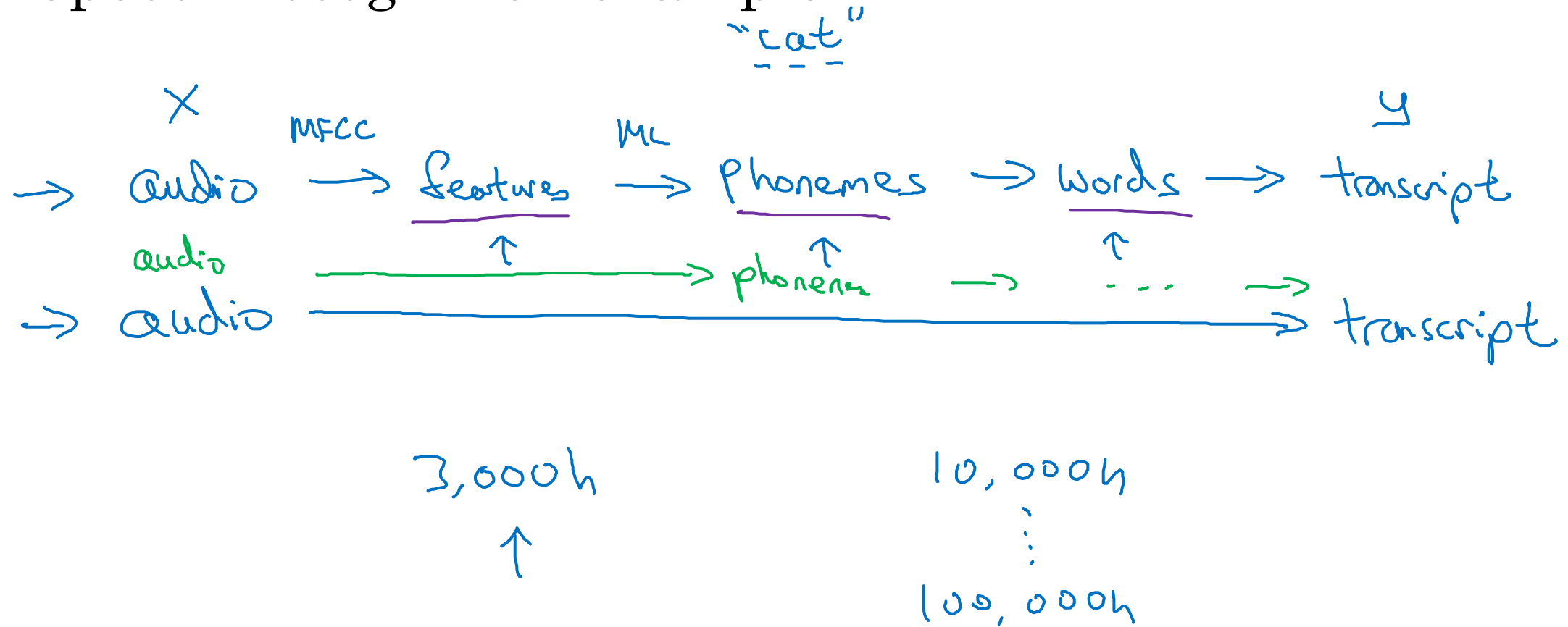
# End-to-end deep learning

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## What is end-to-end deep learning

# What is end-to-end learning?

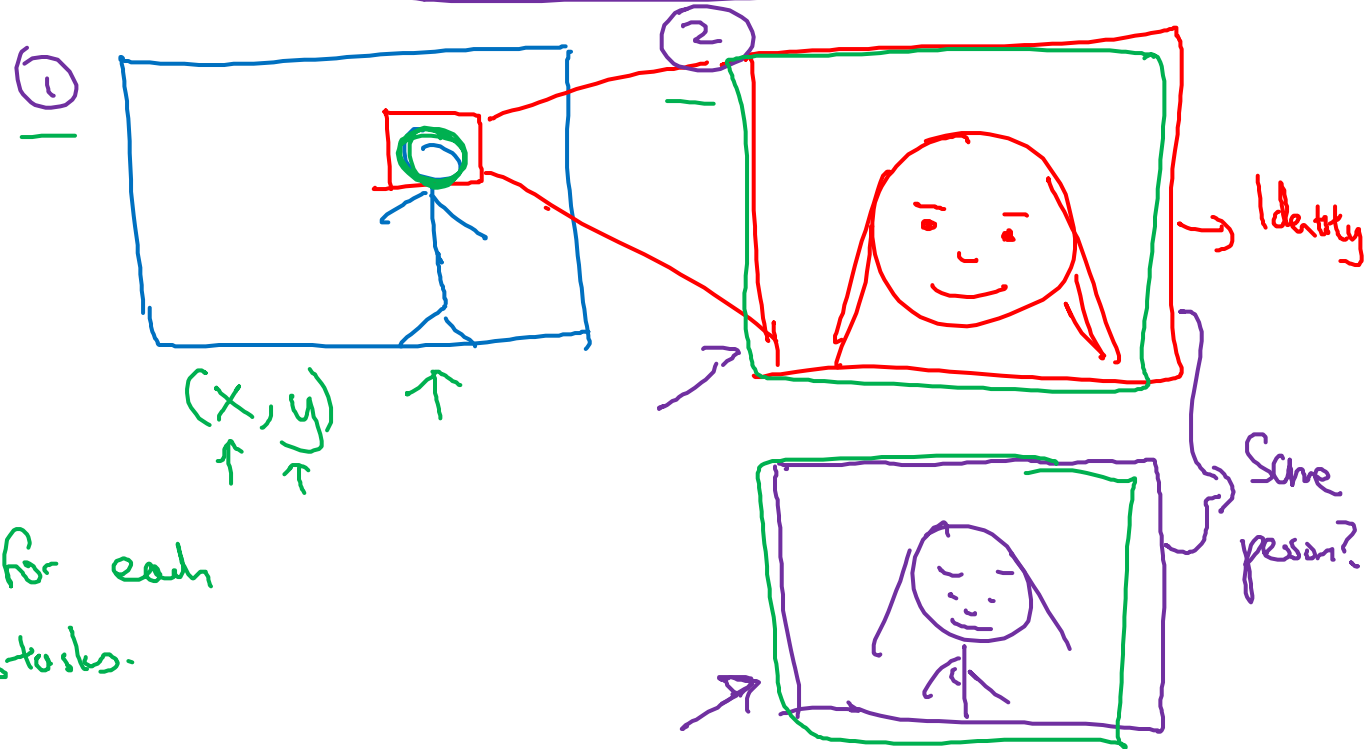
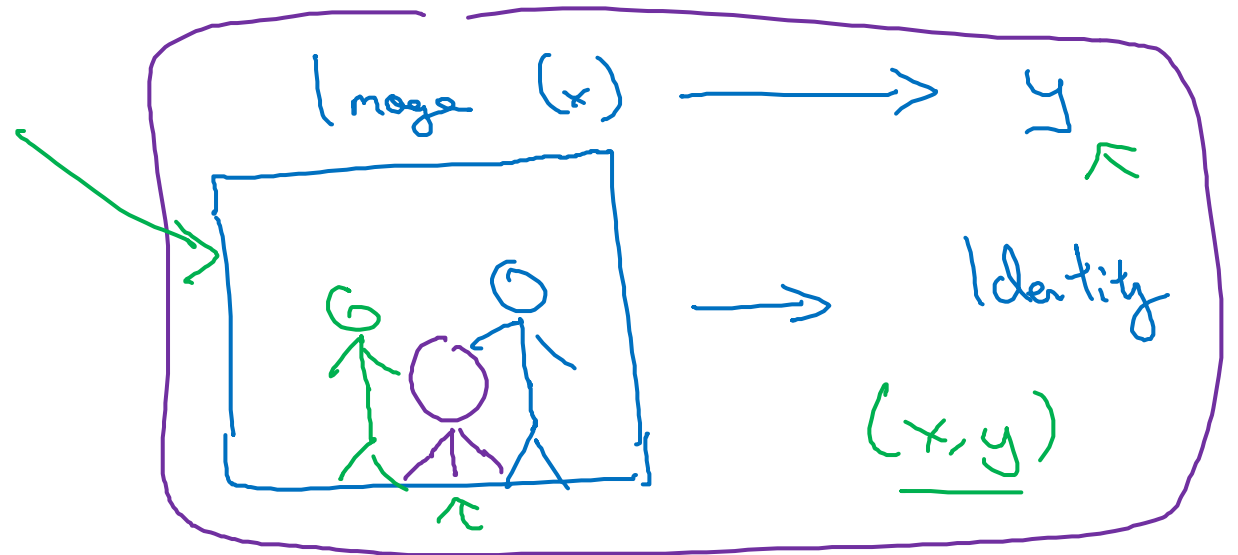
## Speech recognition example



# Face recognition



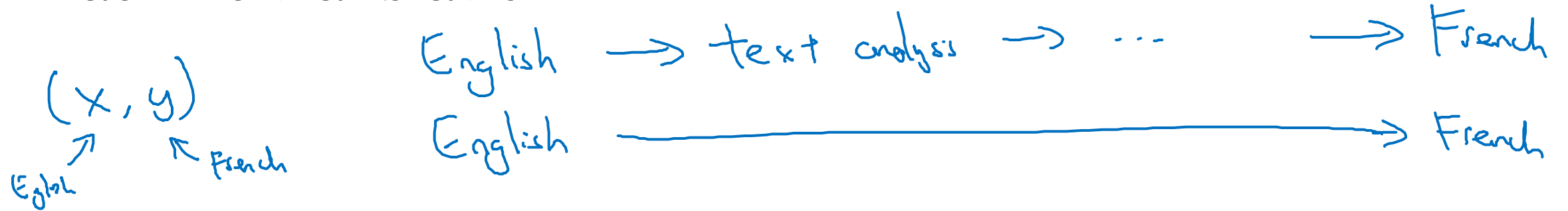
[Image courtesy of Baidu]



Have data for each  
of 2 sub-tasks.

# More examples

## Machine translation



## Estimating child's age:

