

2 УРОК

# VISUAL NLP TASKS

# IMAGE 2 CAPTION

A person riding a motorcycle on a dirt road.



A group of young people playing a game of frisbee.



A herd of elephants walking across a dry grass field.



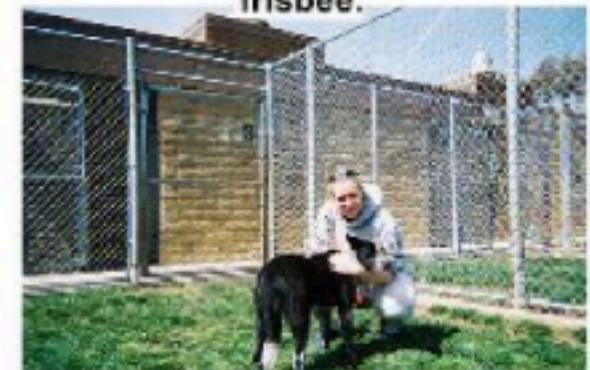
Two dogs play in the grass.



A skateboarder does a trick on a ramp.



A dog is jumping to catch a frisbee.



Two hockey players are fighting over the puck.



A little girl in a pink hat is blowing bubbles.



A refrigerator filled with lots of food and drinks.



A close up of a cat laying on a couch.



A red motorcycle parked on the side of the road.



A yellow school bus parked in a parking lot.



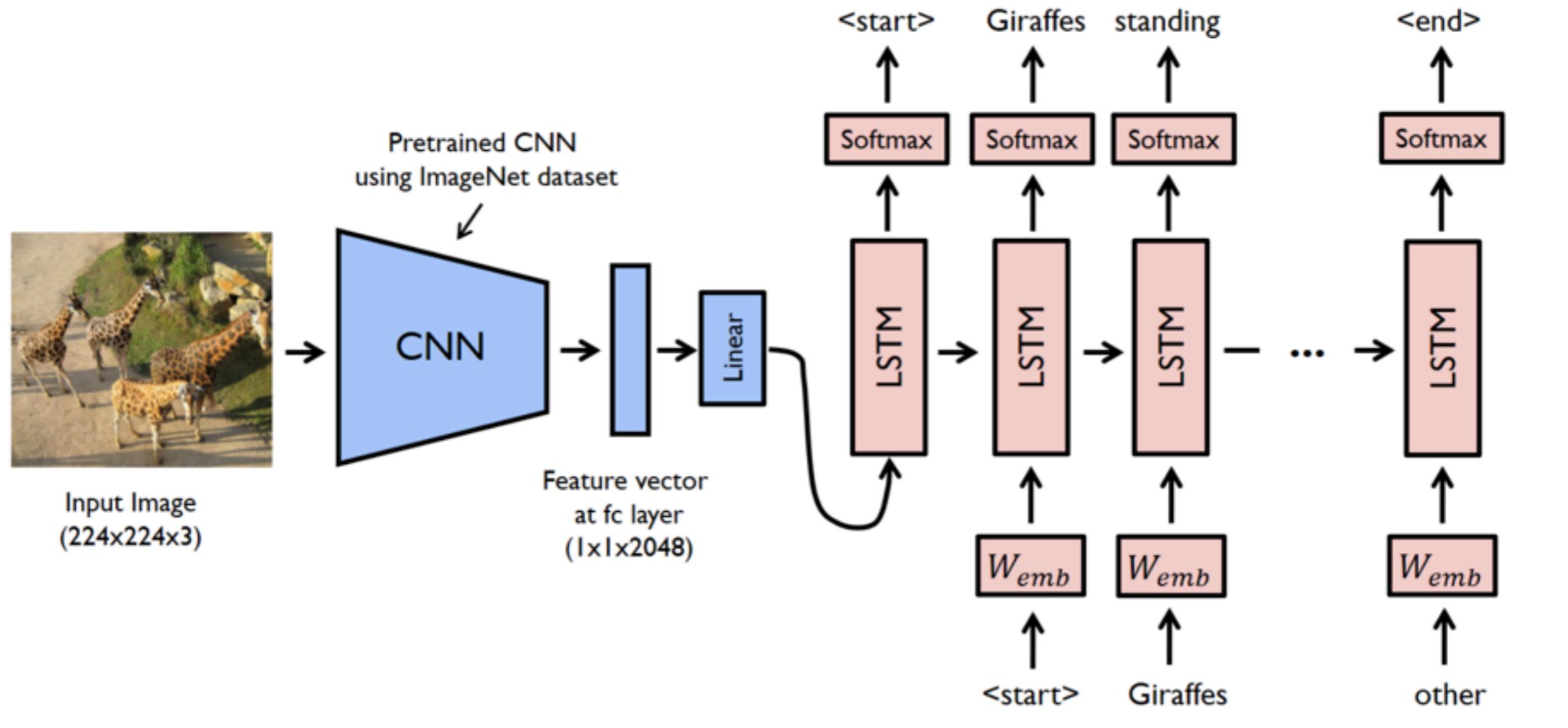
Describes without errors

Describes with minor errors

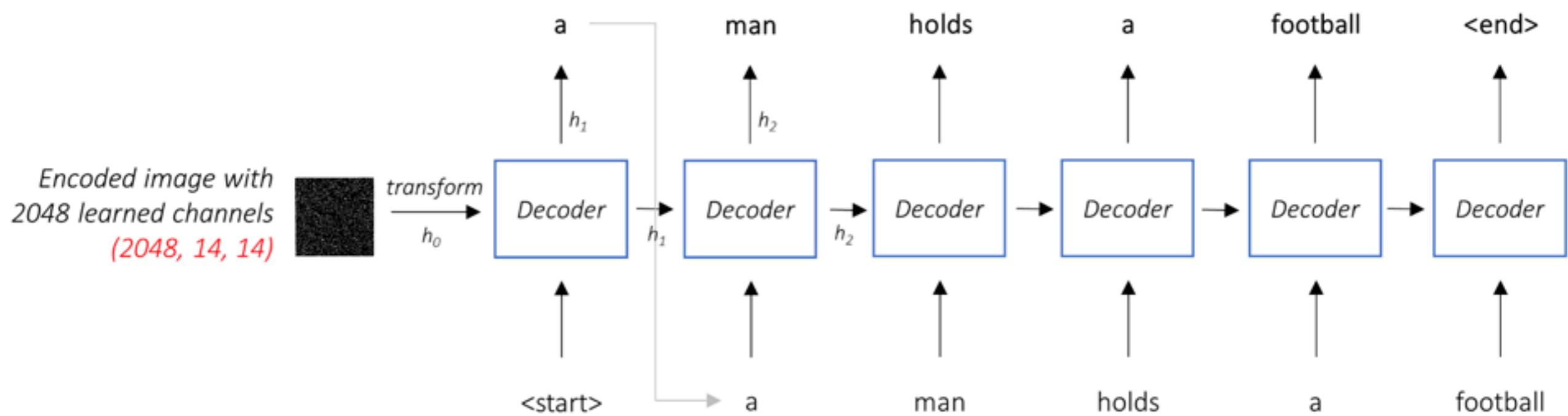
Somewhat related to the image

Unrelated to the image

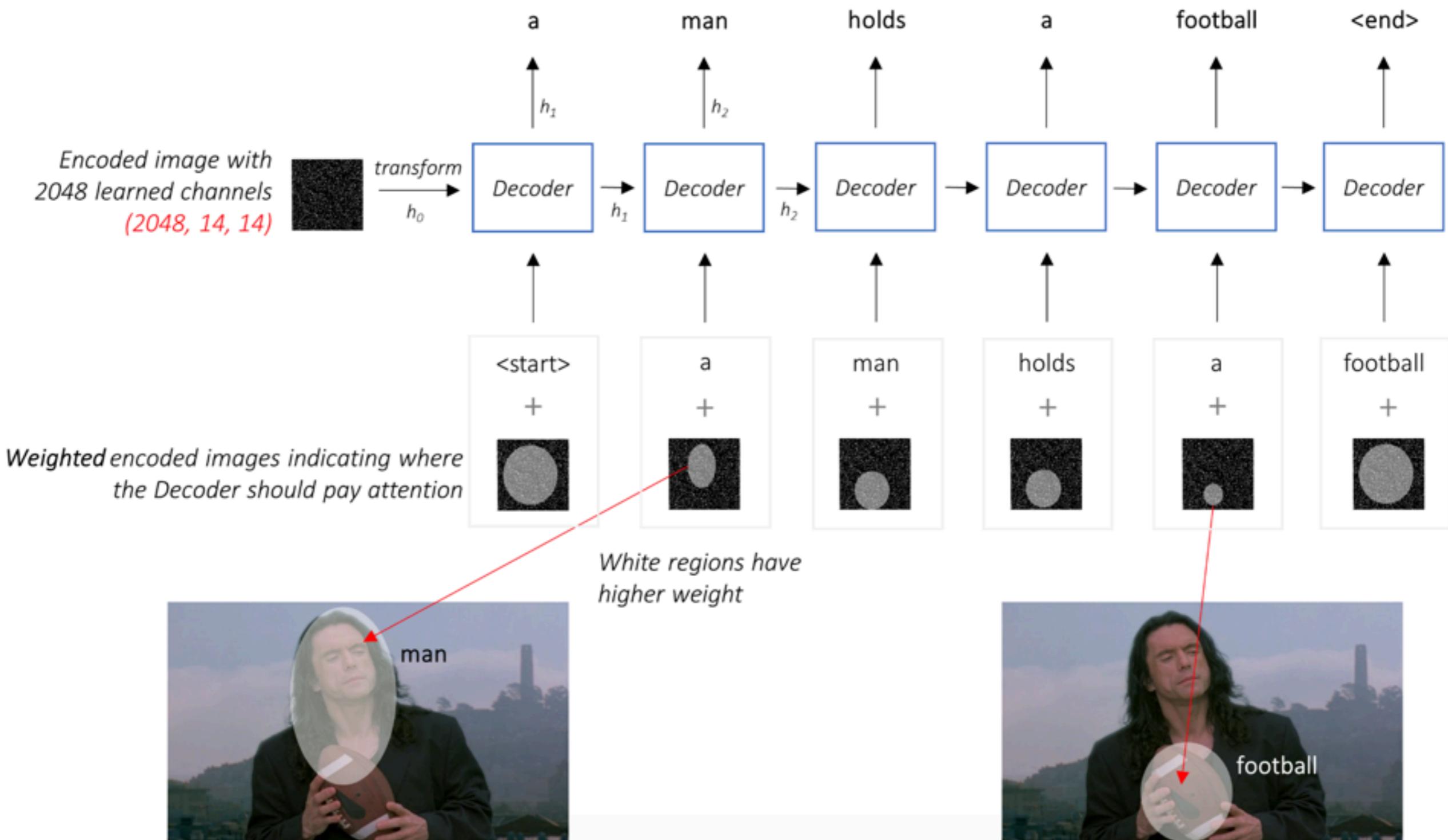
# IMAGE 2 CAPTION



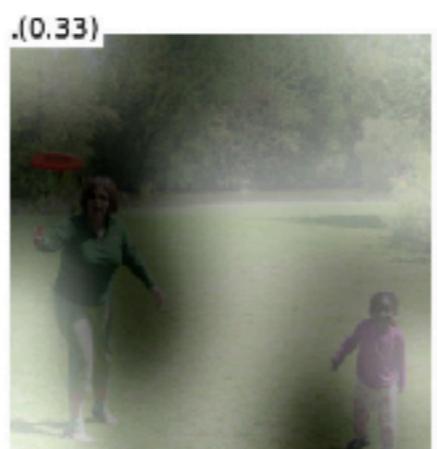
# IMAGE 2 CAPTION



# ATTENTION

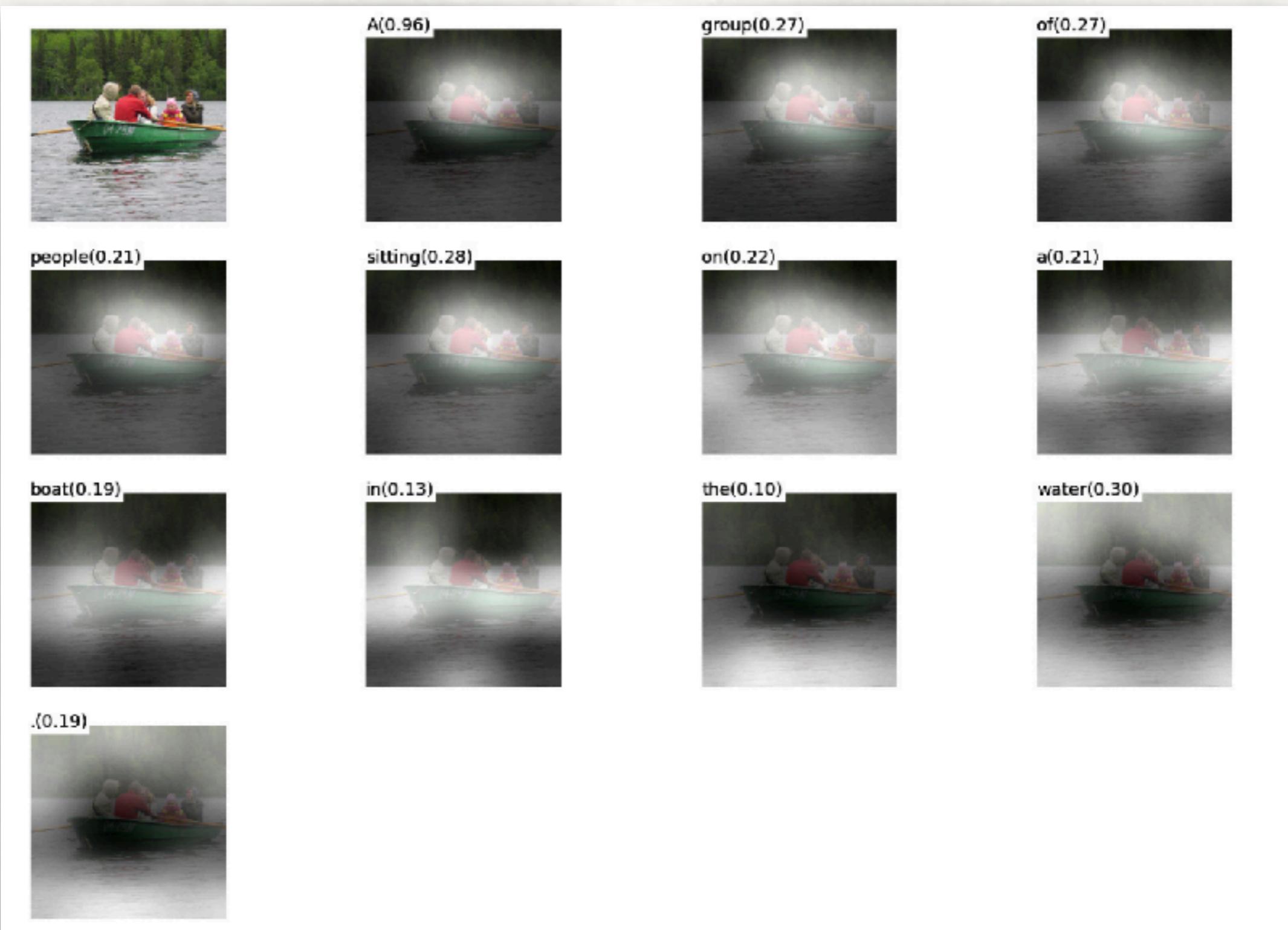


# ATTENTION



(b) A woman is throwing a frisbee in a park.

# ATTENTION



(b) A group of people sitting on a boat in the water.

# VISUAL QUESTION ANSWERING



What is the mustache  
made of?

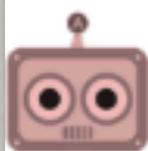
AI System

bananas

# VISUAL DIALOG

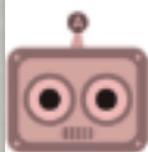


A cat drinking water out of a coffee mug.



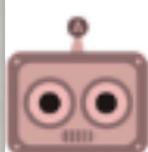
White and red

What color is the mug?



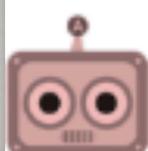
No, something is there can't tell what it is

Are there any pictures on it?



Yes, they are

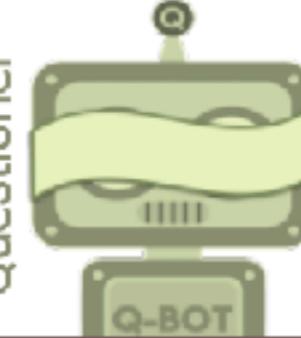
Is the mug and cat on a table?



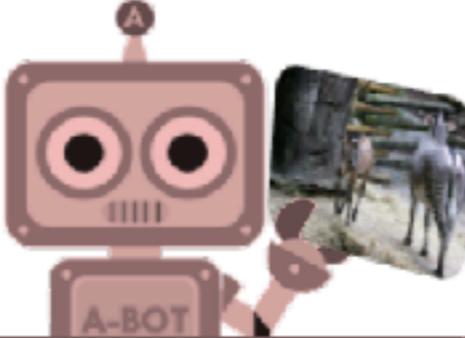
Yes, magazines, books, toaster and basket, and a plate

Are there other items on the table?

# MULTI AGENTS

Questioner  Q-BOT

Two zebra are walking around their pen at the zoo.

Answerer  A-BOT

 [0.1, -1, 0.2, ... , 0.5]

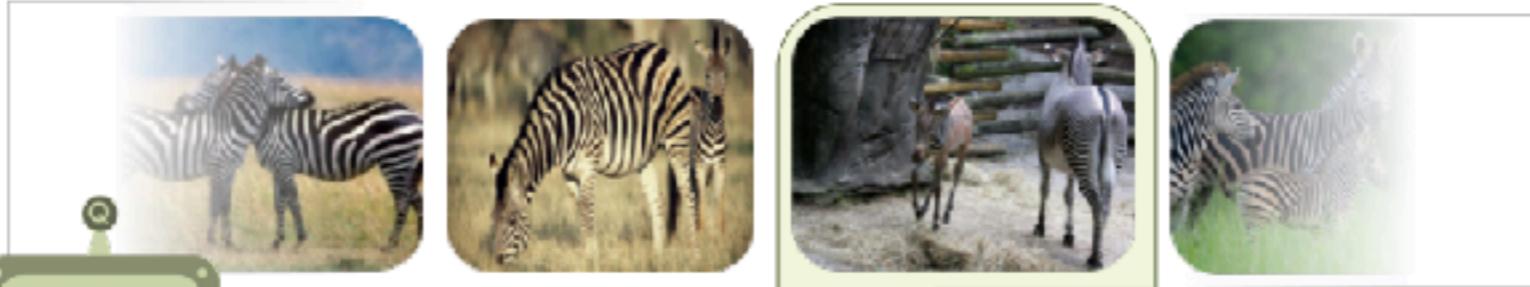
Q1: Any people in the shot?

A1: No, there aren't any.

 [-0.5, 0.1, 0.7, ... , 1]

Q10: Are they facing each other?

A10: They aren't.



I think we were talking about this image!

# NAVIGATION

Q: What color is the car?



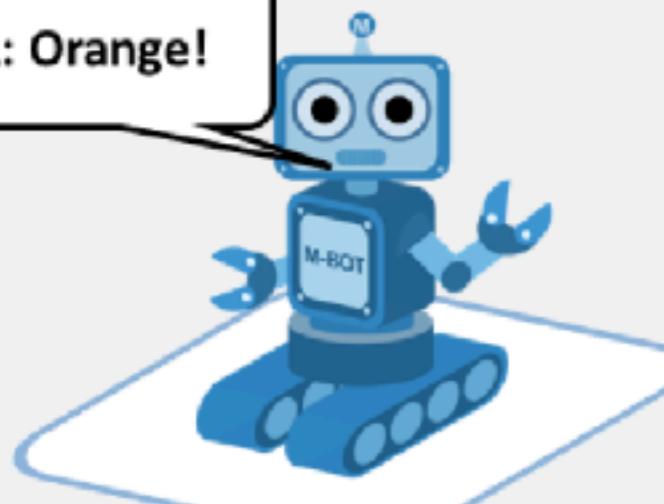
FORWARD



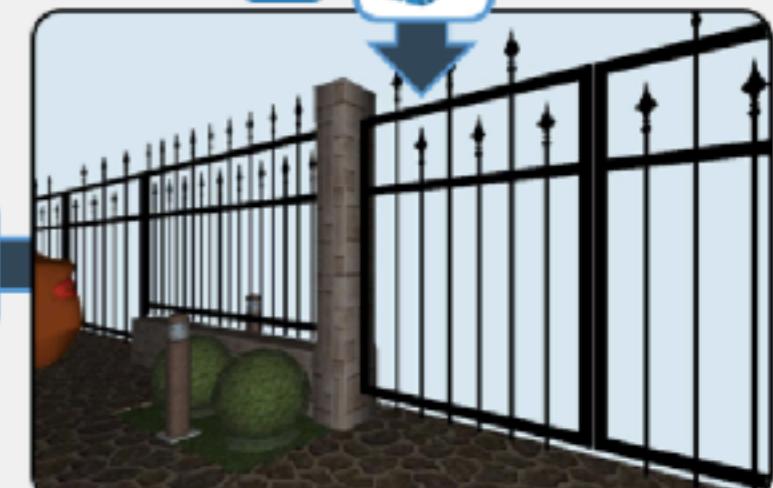
FORWARD



A: Orange!



TURN LEFT



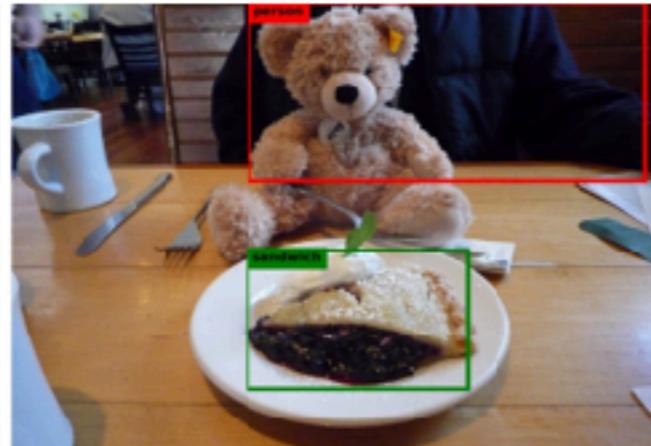
TURN LEFT



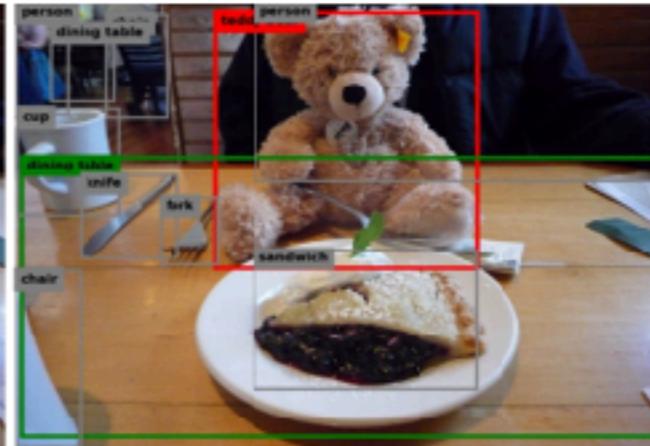
# КАК ЕЩЕ УЛУЧШИТЬ?



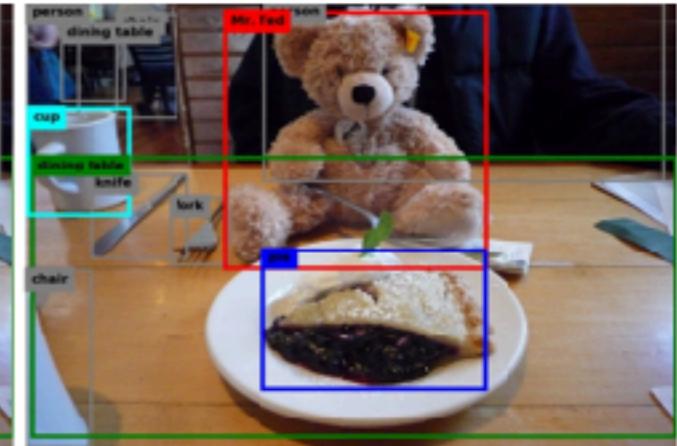
A close up of a stuffed animal on a plate.



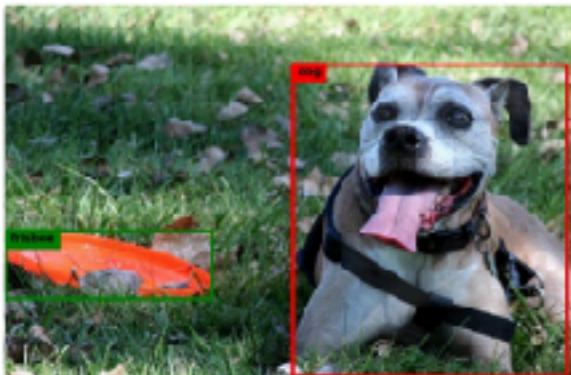
A **person** is sitting at a table with a **sandwich**.



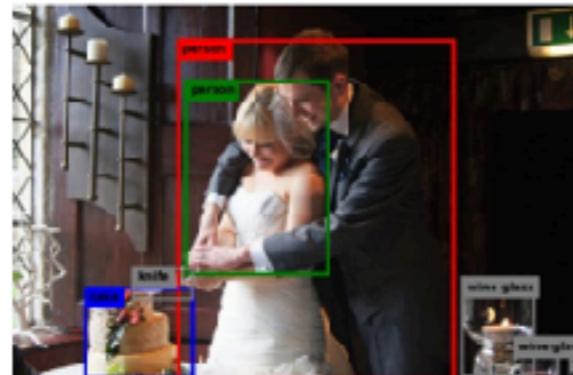
A **teddy bear** sitting on a **table** with a plate of food.



A **Mr. Ted** sitting at a **table** with a **pie** and a **cup** of coffee.



A **dog** is laying in the grass with a **Frisbee**.



A **bride** and **groom** cutting a **cake** together.



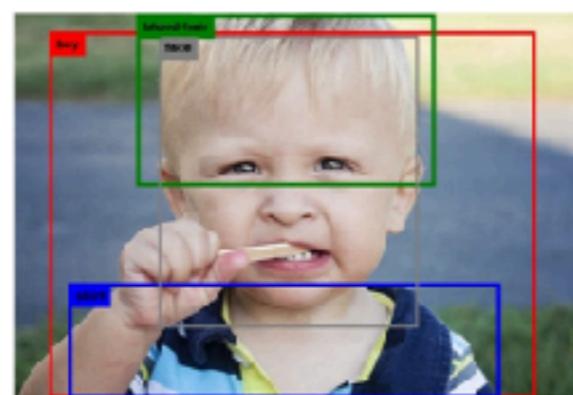
A little **girl** holding a **cat** in her hand.



A **woman** sitting on a **boat** in the water.



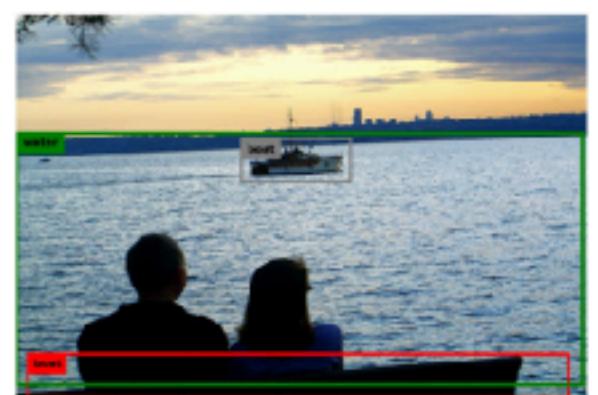
A **cat** is standing on a **sign** that says "UNK".



A young **boy** with **blond-hair** and a blue **shirt** is eating a **chocolate** bar.



A band is performing on a **stage**.



Two people are sitting on a **boat** in the **water**.