# Relation Nets One-Shot Testing



## Monkey

#### ( 1 1>

## Elephant



# test













# Relation Module























#### $f_{\varphi}(image)$ $g_{\varphi}(e_1,e_2)$





















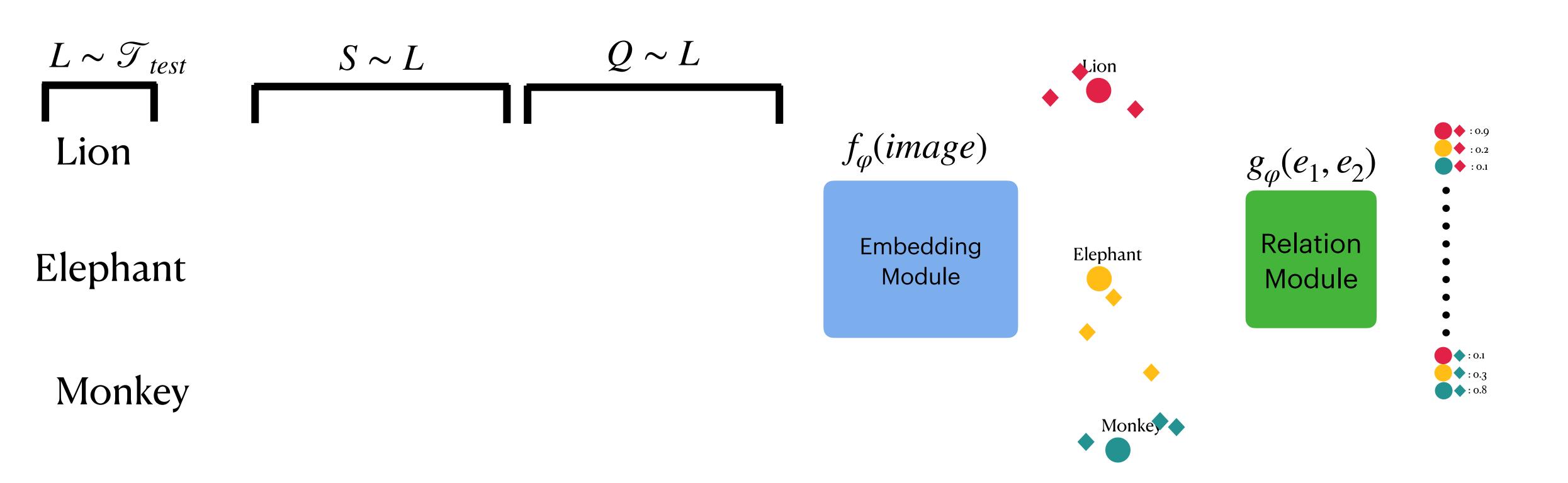




# Embedding

Module

# Relation Nets One-Shot Testing



# Zero-Shot Learning (1)

Zero-shot learning is analogous to one-shot. However instead of being given a sample set with an image for each of C training classes, it contains a **semantic class embedding** vector  $v_c$  for each.

### Bird

A small, lightweight creature with a streamlined body, feathered wings...

## Dog

A medium-sized animal with a muscular build, short fur, floppy ears...

## Monkey

A slender, agile primate with long limbs, a prehensile tail, expressive face...

Attribute Embedding Module

Image Embedding Module