

Relation Nets One-Shot Testing



Lion



Monkey

Lion

Elephant



$L \sim \mathcal{T}_{test}$



$$Q \sim L$$


Elephant



Monkey









Relation Module



















  : 0.9

  : 0.2

  : 0.1

  : 0.1

  : 0.3

  : 0.8

S

~

L

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



















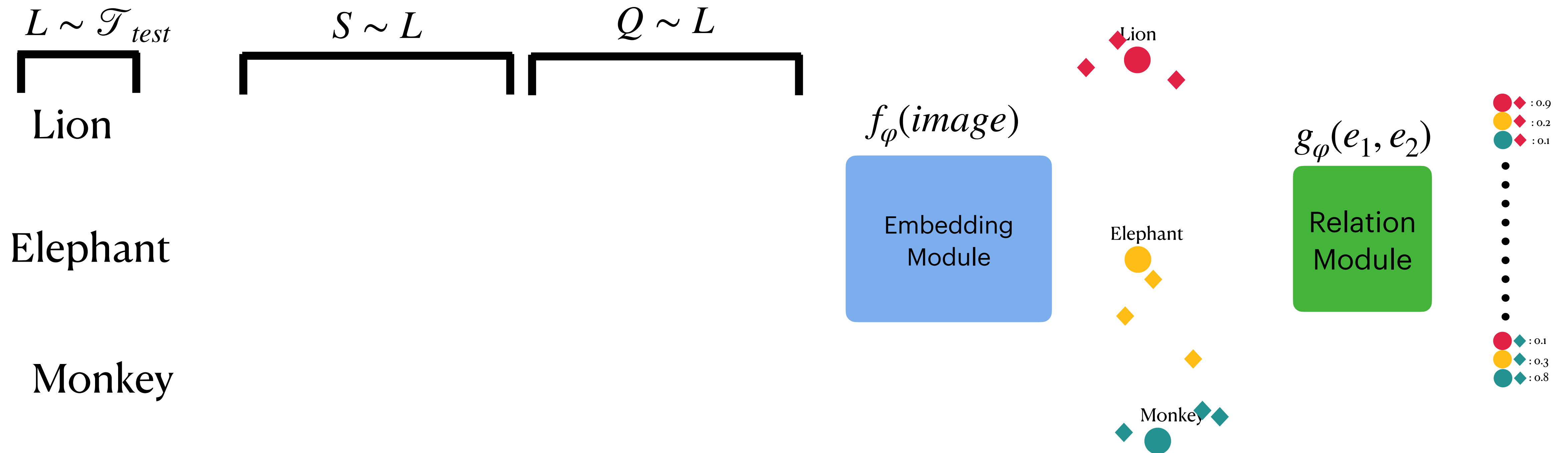






Embedding Module

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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.

