

Figure 1: Relation Network architecture for a 5-way 1-shot problem with one query example.



Relativists

Embedding 1

Embedding 2

Relation Module

Convolutional Block

2X2 max-pool

Convolutional Block

2X2 max-pool

Convolutional Block

FC ReLU, HX8

FC Sigmoid, 8X1

Relation Score

Relation module

Image Input

Embedding Network

Convolutional Block

2X2 max-pool

Convolutional Block

2X2 max-pool

Convolutional Block

Convolutional Block

Embedding Output

Embedding module

f *φ*

g ϕ

Relation Nets

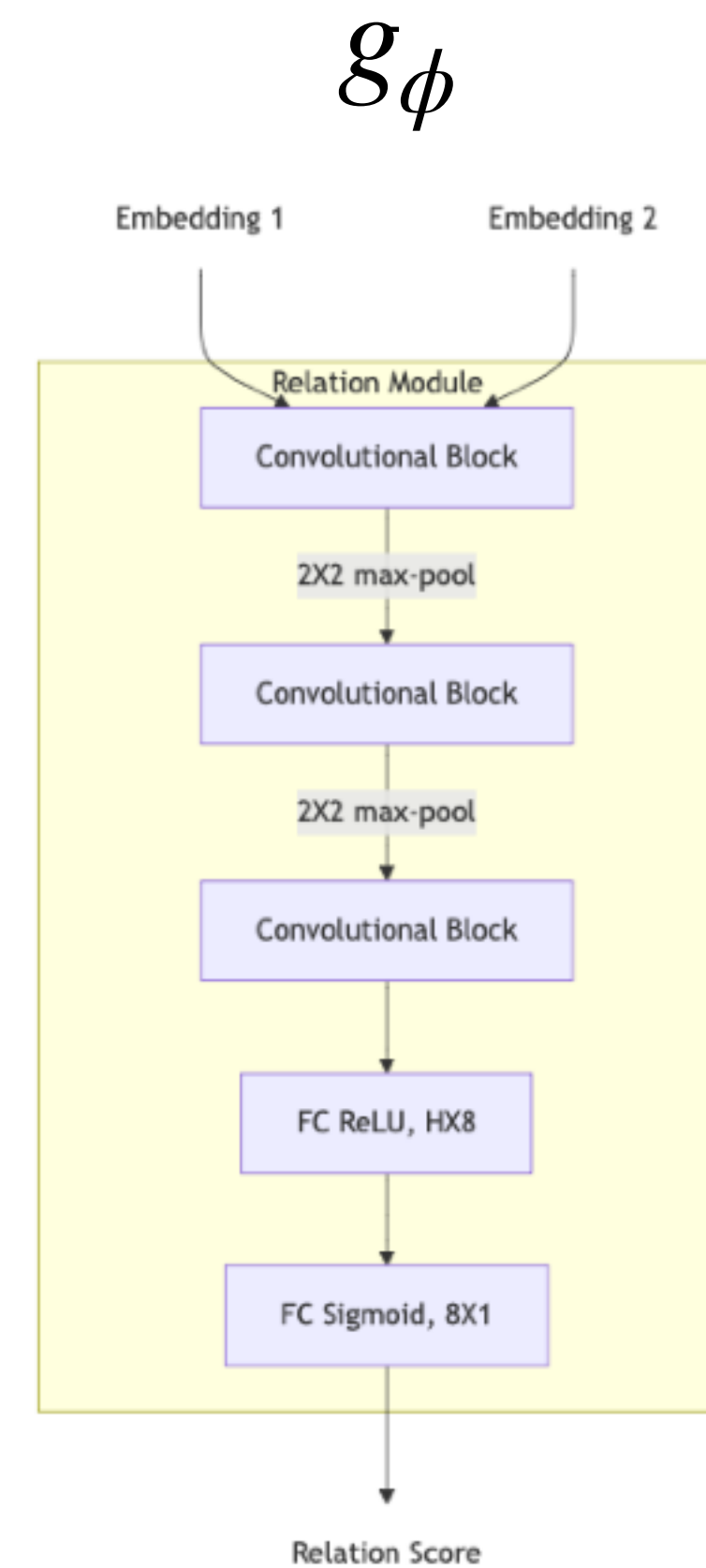
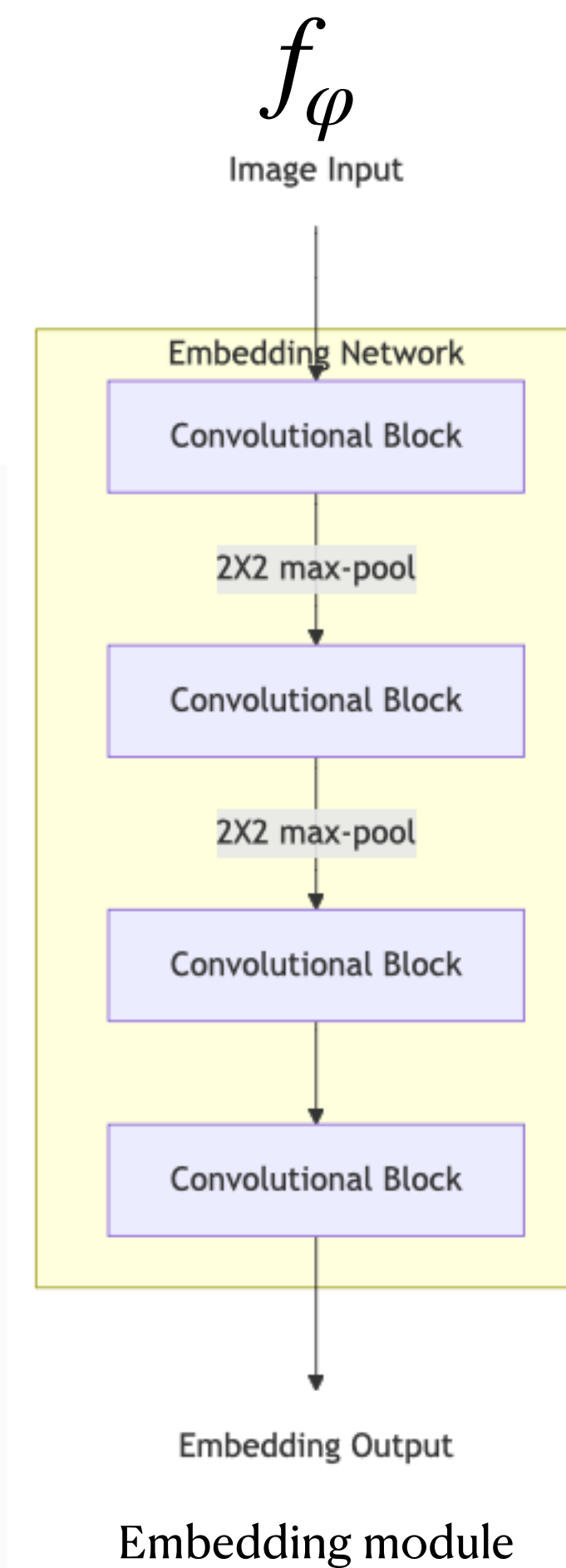
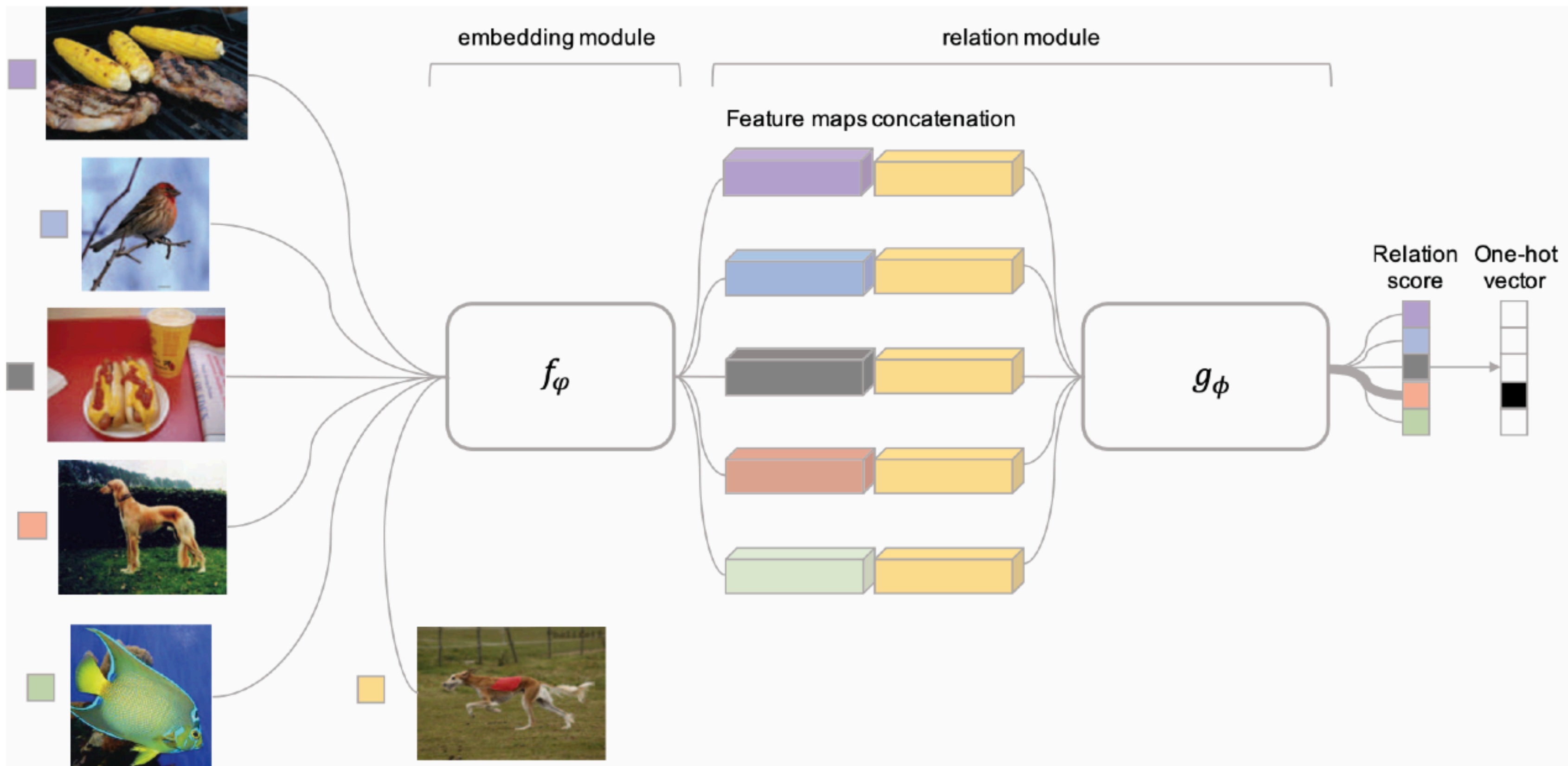


Figure 1: Relation Network architecture for a 5-way 1-shot problem with one query example.

Terminology : C-Way K-Shot

C-Way: The model distinguishes between **C** classes

K-Shot: The model is trained on **K** examples per class

