

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

$\phi$



# Relation Nets

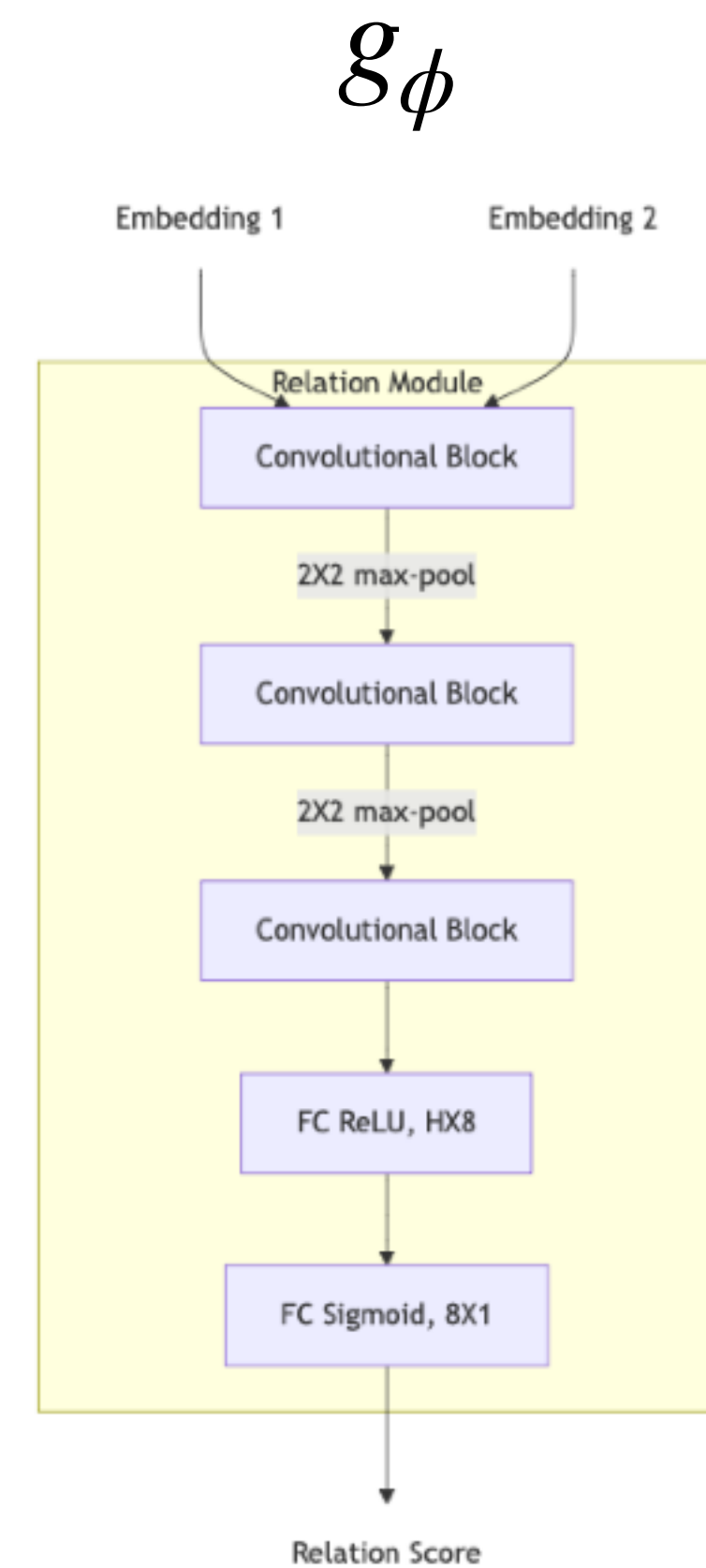
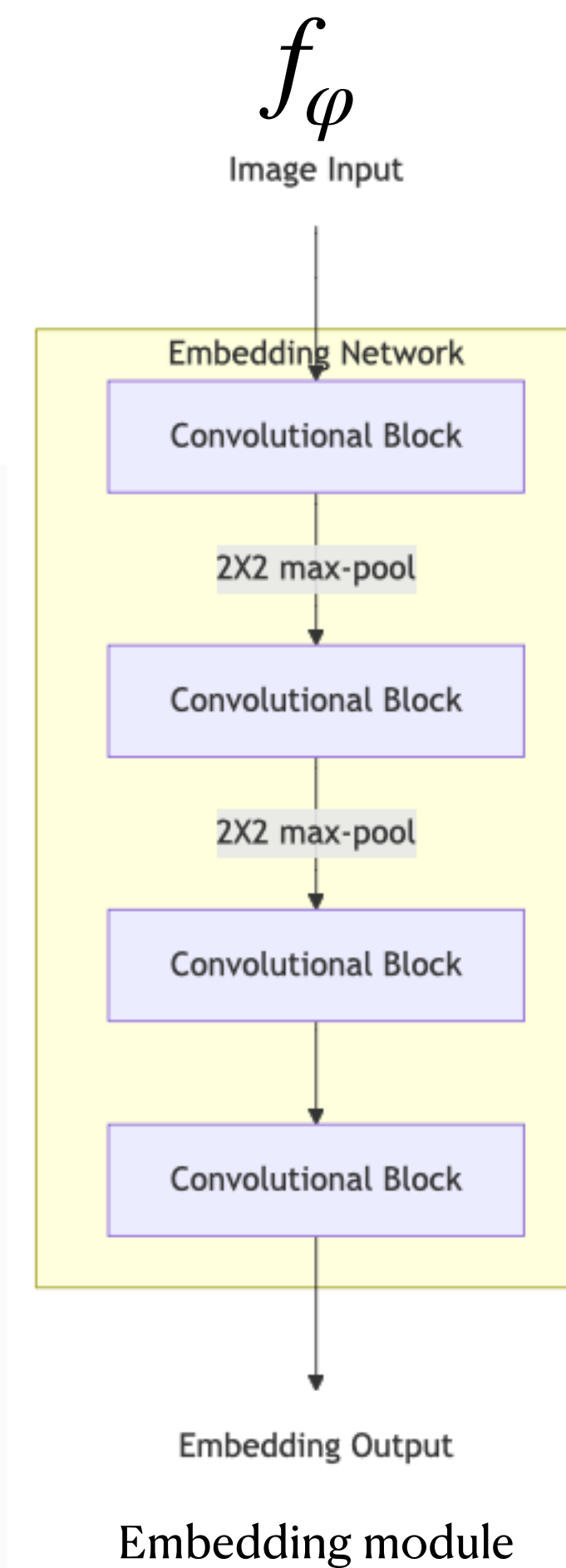
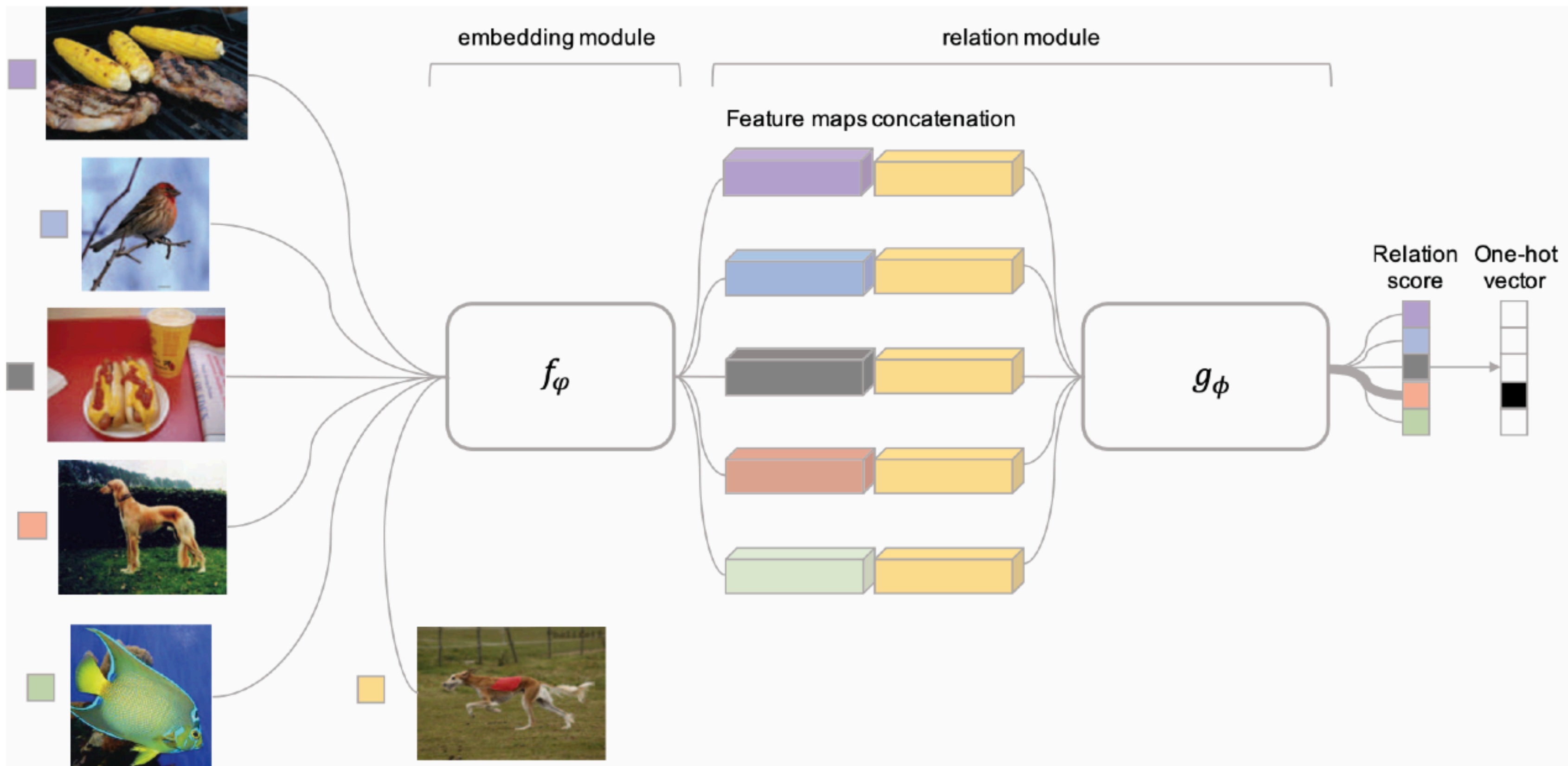


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# Terminology : C-Way K-Shot

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

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

