

Input image

Flatten
image



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x

$*$
(="correlation")

\times
Matrix
product

Class "template"

0.2	1.1	-3.2
-4.5	0.1	4.6

"unflatten"
column W_j

2.1	0.2	9.0
-4.6	1.1	8.5
3.3	-3.2	4.5
2.2	-4.5	2.1
2.0	0.1	4.8
9.0	4.6	0.5

W

=

12.3

1 (car)

=

4.4
12.3
25.7

0 (plane)

1 (car)

2 (bird)

scores