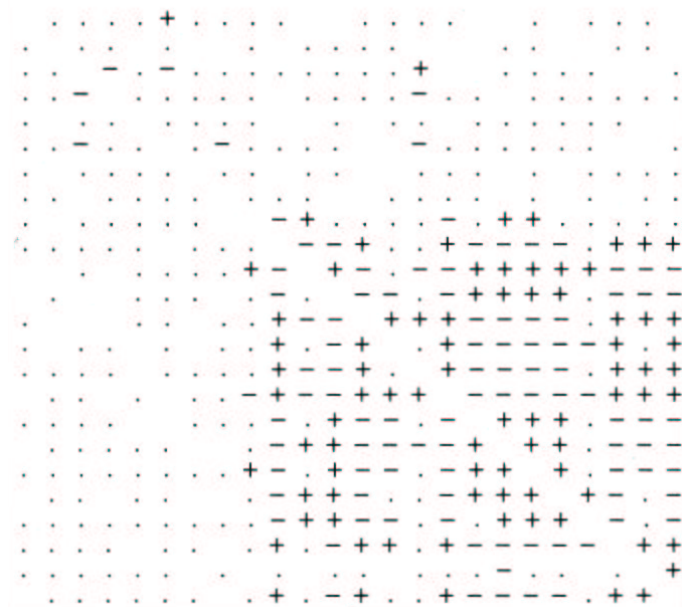


Prototype pattern:

+ - + + - - - - + + + + - - - -

Weights acquired after learning:



RESULTS OF TESTS AFTER LEARNING THE DOG, CAT, AND BAGEL PATTERNS

|                                  | Name Pattern            | Visual Pattern                                  |
|----------------------------------|-------------------------|---|
| Pattern for dog prototype        | + - + - + - + -         | + - + + - - - + + + + - - -                     |
| Response to dog name             |                         | +3 -4 +4 +4 -4 -4 -4 -4 +4 +4 +4 +3 +4 -4 -4 -3 |
| Response to dog visual pattern   | +5 -4 +4 -5 +5 -4 +4 -4 |   |
| Pattern for cat prototype        | + + - - + + - -         | + - + + - - - + - + - + + - +                   |
| Response to cat name             |                         | +4 -3 +4 +4 -4 -3 -3 -4 +4 -4 +4 -4 +4 +4 -4 +4 |
| Response to cat visual pattern   | +5 +4 -4 -5 +4 +4 -4 -4 |   |
| Pattern for bagel prototype      | + - - + + - - +         | + + - + - + + - + - - + + + + -                 |
| Response to bagel name           |                         | +3 +4 -4 +4 -4 +4 +4 -4 +4 -4 -4 +4 +3 +4 +4 -4 |
| Response to bagel visual pattern | +4 -4 -4 +4 +4 -4 -4 +4 |   |

RESULTS OF TESTS WITH PROTOTYPE AND SPECIFIC EXEMPLAR PATTERNS

|                                      | Name Pattern            | Visual Pattern                                  |
|--------------------------------------|-------------------------|---|
| Pattern for dog prototype            | + - + - + - + -         | + - + + - - - + + + + - - -                     |
| Response to prototype name           |                         | +4 -5 +3 +3 -4 -3 -3 -3 +3 +3 +4 +3 +4 -3 -4 -4 |
| Response to prototype visual pattern | +5 -4 +4 -4 +5 -4 +4 -4 |   |
| Pattern for Fido exemplar            | + - - - + - - -         | + - (-) + - - - - + + + + (+) - -               |
| Response to Fido name                |                         | +4 -4 -4 +4 -4 -4 -4 -4 +4 +4 +4 +4 +4 -4 -4    |
| Response to Fido visual pattern      | +5 -5 -3 -5 +4 -5 -3 -5 |   |
| Pattern for Rover exemplar           | + - - + + + - +         | + (+) + + - - - - + + + + - - -                 |
| Response to Rover name               |                         | +4 +5 +4 +4 -4 -4 -4 -4 +4 +4 +4 +4 -4 -4 -4    |
| Response to Rover visual pattern     | +4 -4 -2 +4 +4 +4 -2 +4 |   |

RESULTS OF TESTS AFTER LEARNING THE DOG, CAT, AND BAGEL PATTERNS WITHOUT NAMES

|                       |   |
|-----------------------|---|
| Dog visual pattern:   | + - + + - - - + + + + - - -                     |
| Probe:                | + + + +   |
| Response:             | +3 -3 +3 +3 -3 -4 -3 -3 +6 +5 +6 +5 +3 -2 -3 -2 |
| Cat visual pattern:   | + - + + - - - + - + - + + - +                   |
| Probe:                | + - + -   |
| Response:             | +3 -3 +3 +3 -3 -3 -3 -3 +6 -5 +6 -5 +3 +2 -3 +2 |
| Bagel visual pattern: | + + - + - + + - + - - + + + + -                 |
| Probe:                | + - - +   |
| Response:             | +2 +3 -4 +3 -3 +3 +3 -3 +6 -6 -6 +6 +3 +3 +3 -3 |

Probability Correct

