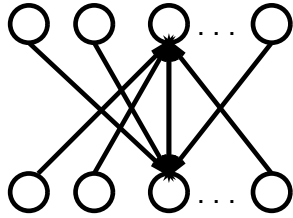


1

Networks: Bidirectional Excitation



Simulations.

1. Top-down processing (“imagery”).
2. Pattern completion.

2

Word Superiority Effect

Identify second letter in:

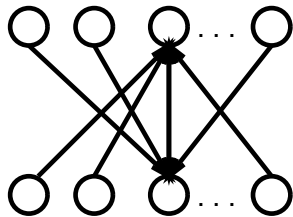
NEST (faster)

DEST (slower)

Weird! You have to recognize the letter before you can recognize the word, so how can the word help letter recognition?

3

Networks: Bidirectional Excitation



Simulations.

1. Top-down processing (“imagery”).
2. Pattern completion.
3. Amplification/bootstrapping.
4. Need inhibition!