

The diagram illustrates a sequence of states for a word-based system, likely a neural network or a parsing model, over 25 steps. Each row represents a state, with nodes for each word in the sentence: "Surrounding", "the", "borders", "of", "Egypt", "there", "is", "Libya", "on", "the", "west", "Sudan", "on", "southNorth", "sea", "on", "east", "and", "Palestine", "on", "north", "east", "and", "Mediterranean", "sea", "on", "north", ".", " ". The nodes are arranged in a grid, and edges connect nodes across rows, representing transitions or dependencies. The blue highlights indicate the current active word or state at each step.

Key observations from the sequence:

- The sequence starts with "Surrounding" highlighted in step 1.
- By step 6, "there" is highlighted, and the system begins to process the prepositional phrase "on the west".
- By step 11, "Sudan" is highlighted, and the system moves to "on southNorth sea".
- By step 16, "east" is highlighted, and the system moves to "and Palestine".
- By step 21, "north" is highlighted, and the system moves to "east and Mediterranean sea".
- By step 26, "north" is highlighted, and the system moves to "on north".
- By step 31, "." is highlighted, and the system moves to " ".
- By step 36, " " is highlighted, and the system moves to "Surrounding".
- The sequence repeats the entire sentence structure, ending with "Surrounding" highlighted in step 41.