

The diagram illustrates the flow of information in a neural network architecture, showing two parallel processing paths. The top path consists of 8 stages, and the bottom path consists of 8 stages. Both paths end with a 'Coding' label.

**Top Path Stages:**

- Stage 1: A large purple block with a black vertical bar on its right side.
- Stage 2: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 3: A blue vertical bar with a black vertical bar on its right side.
- Stage 4: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 5: A blue vertical bar with a black vertical bar on its right side.
- Stage 6: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 7: A blue vertical bar with a black vertical bar on its right side.
- Stage 8: A black vertical bar with a thin blue vertical bar on its right side.

**Bottom Path Stages:**

- Stage 1: A large purple block with a black vertical bar on its right side.
- Stage 2: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 3: A blue vertical bar with a black vertical bar on its right side.
- Stage 4: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 5: A blue vertical bar with a black vertical bar on its right side.
- Stage 6: A black vertical bar with a thin blue vertical bar on its right side.
- Stage 7: A blue vertical bar with a black vertical bar on its right side.
- Stage 8: A black vertical bar with a thin blue vertical bar on its right side.

Arrows indicate the flow of information from left to right between stages. The 'Coding' label is positioned at the end of the top path.

