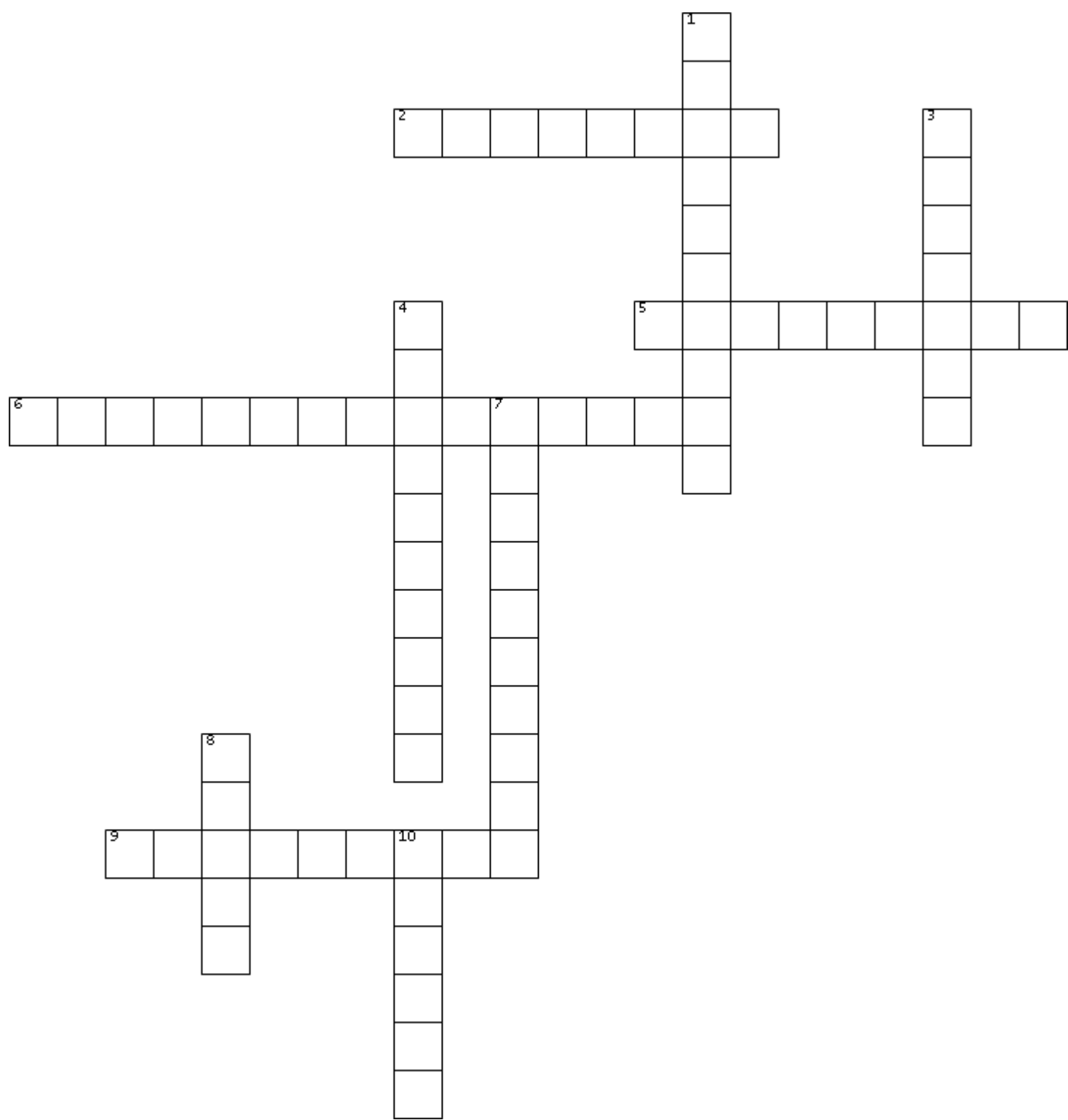


# ANFIS-Adaptive Neuro Fuzzy Inference Systems



ACROSS

- 2. Descent, Type of learning algorithm used in ANFIS to adjust parameters.
- 5. Mathematical operation used in ANFIS to combine fuzzy rules.
- 6. Method used in ANFIS to adjust parameters based on the error signal.
- 9. Component in ANFIS responsible for fuzzy rule evaluation.

DOWN

- 1. ANFIS layer that computes the firing strengths of the fuzzy rules.
- 3. ANFIS layer that computes the membership function values.
- 4. Term describing the process in ANFIS where parameters are adjusted.
- 7. ANFIS layer responsible for combining the antecedent parts of fuzzy rules.
- 8. The first step in the ANFIS learning algorithm.
- 10. Technique used in ANFIS to refine membership function parameters.