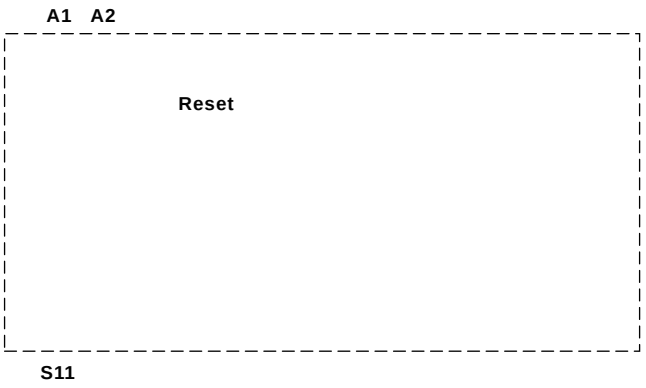Functional Block Diagram