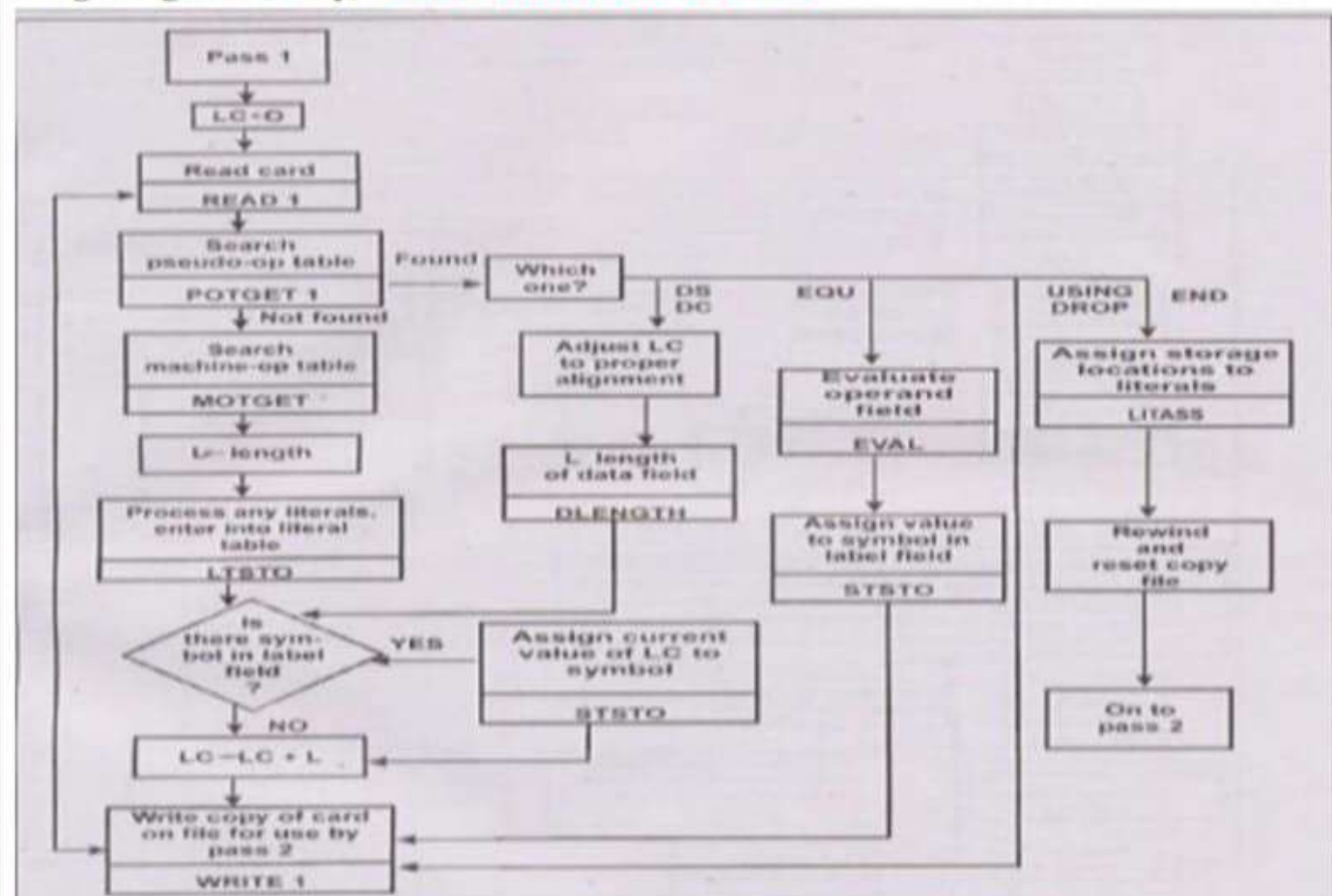


Design diagrams (if any): **Flow chart for Pass-1**



Flow chart for Pass-2

