

Exercise

1. Draw a flow chart to generate operations of moving disks for solving the Hanoi-Tower problem
2. Write a MATLAB function to implement your flow chart for Hanoi-Tower solving.
3. Write a MATLAB function to apply an operator to two operands. Let $v=\text{evaluate}(op,s1,s2)$ denote the function head. All of three inputs are characters, the first input belongs $\{'+','-', '*', '/'\}$ and the last two inputs belong $\{'1', \dots, '9'\}$.
4. Draw a flow chart for evaluation of a prefix expression with operators belonging $\{'+', '-', '*', '/'\}$ and operands belonging $\{'1', \dots, '9'\}$.
5. Write a MATLAB function to implement your flow chart for prefix evaluation.