Assumptions:

- 1. liquid hold-up at each tray is constant
- 2. Constant molar overflow in the column
- 3. Relative volatility (x) is constant
- 4. Number of hours = 10, Tray 1. condenser Tray 10 Reboiler

Initial condition
$$X_f = 0.5$$

for ith tray:

Condenses:

Rectifying section:

Stupping Section

Reborler: