

## KC32603 Process Simulation and Integration

### In-Class Exercise 4 (CLO1 – PLO2; WP1, WP4; WK3, WK4, WK5 WK6)

Add a Material Stream with the following data:

on this page...	Select...
Name	Feed
Temperature	25°C
Pressure	3 atm
Flowrate	1000 kgmole/h
Component	Mole Fraction
C <sub>3</sub>	0.20
n-C <sub>4</sub>	0.10
n-C <sub>5</sub>	0.20
n-C <sub>6</sub>	0.15
n-C <sub>7</sub>	0.35

Based on several type of distillation columns sequence shown below, predict the sequence of distillation columns that has the lowest energy requirement using the shortcut distillation column method.



