Assumptions for level 1 esterification:   
1) No side reaction

2)Carbonylation

2) \_\_\_ per pass conversion of raw materials  
3) Separation structure

Second Process(doing this on my own excel so our current data isnt affected)

**Assume conversion of 83% : taken From Diemer, Luyben et al**

**Assume D/F ratio of first distillation column of 0.4106 (Need to use FUG)**

**Assume D/F ratio of second distillation column of 0.29**

**80/20 splits in mixer**

**0.999 DME and 0.4106 D/F ratio**