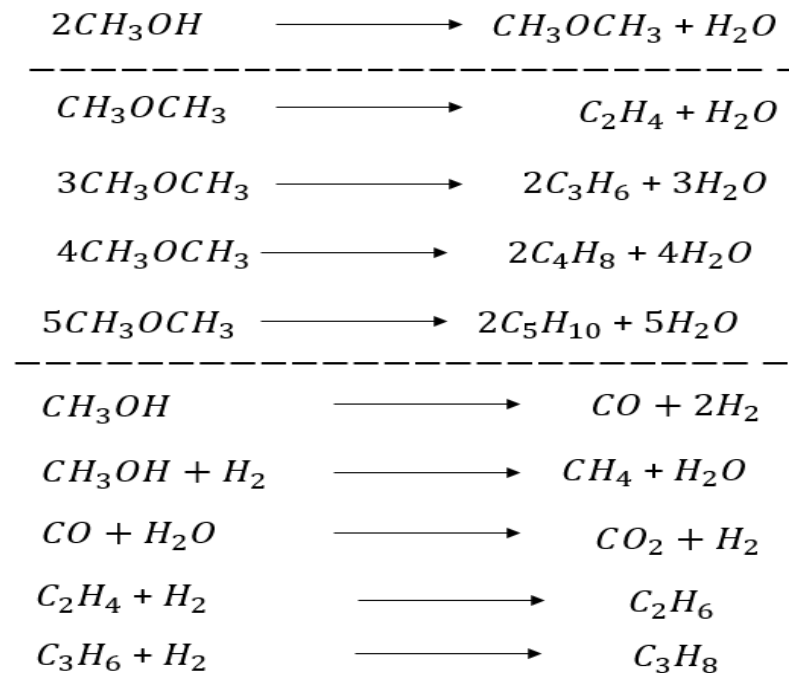


MTO PLANT CHEMISTRY

- ❖ Following reactions are simulated using Aspen Plus V 8.8 simulator for Methanol to olefin project.



Assumptions

- ❖ The intermediate, DME is 100 percent consumed in the fluidized circulating catalytic reactor.
- ❖ Even though traces of carbon monoxide also produce during these reactions, but we are considering that all the carbon monoxide is consumed to produce carbon dioxide.