


PROCESS SIMULATION AND ECONOMIC ASSEMENT

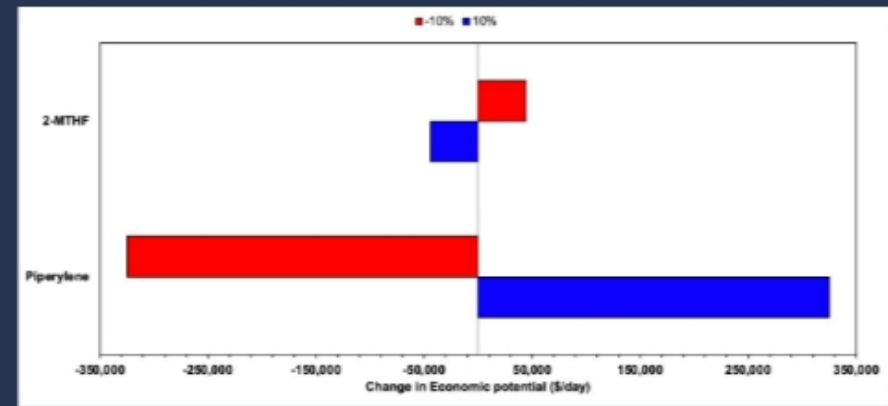
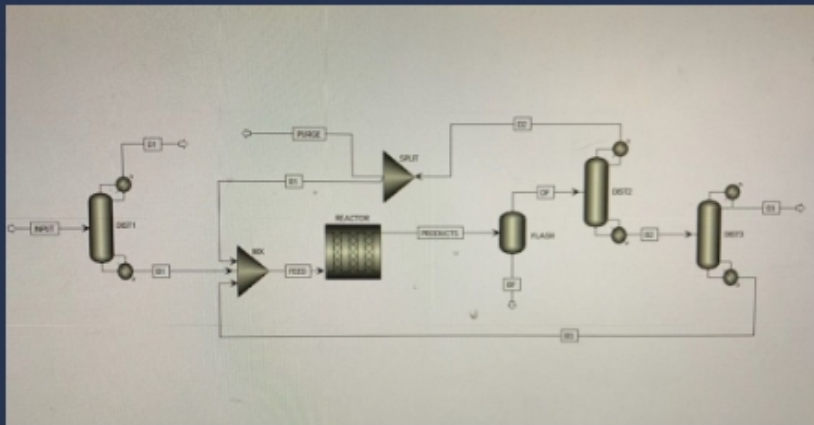
PROMPT

How can we use chemical engineering theories and disciplines  to create a process that is efficient and economically feasible?

DESIGNING PRCESS

Using software solution, design a process that will successfully yield 95% pure piperylene from a feedstock of 2-MTHF also derived from biomass.

RESULTS



Based on design of process shown on the image to the left, we were able to successfully simulate a process that yielded a 95% purity of a chemical product that would have a commercial value of close to \$2,800,000 a day producing 2030 tons a day of Piperylene./