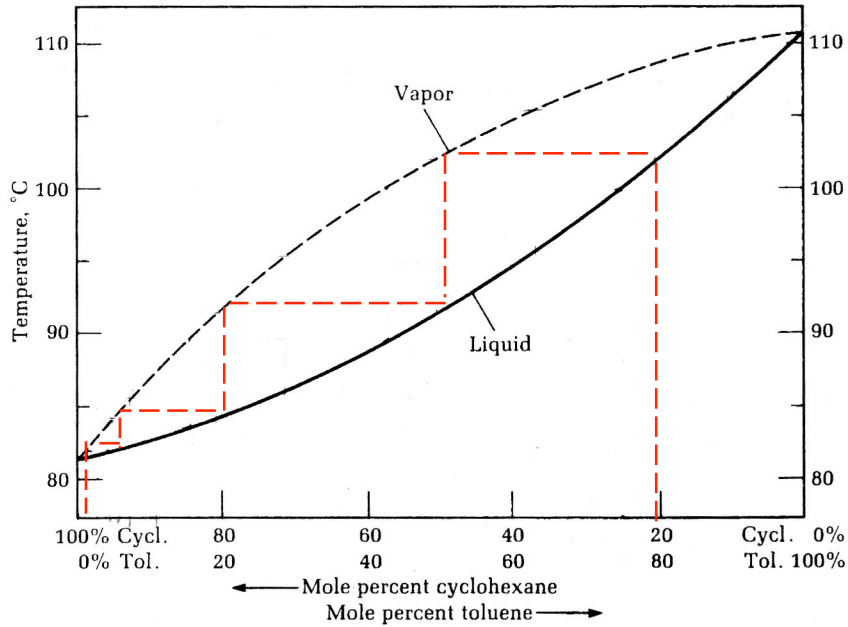


## BOILING POINT – COMPOSITION CURVE



**WHAT RESULTS IN DOING FOUR VAPORIZATION-CONDENSATION STEPS IN ONE PROCESS, STARTING WITH A MIXTURE OF 20% CYCLOHEXANE AND 80% TOLUENE?**

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**20% CYC / 80% TOL LIQ MIXTURE**

**SD 1    SD 2    SD 3    SD 4**  
 →    →    →    →    **99% CYC / 1% TOL**

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**A SERIES OF SEVERAL SIMPLE DISTILLATIONS DONE IN ONE PROCESS IS KNOWN AS A “FRACTIONAL” DISTILLATION.**