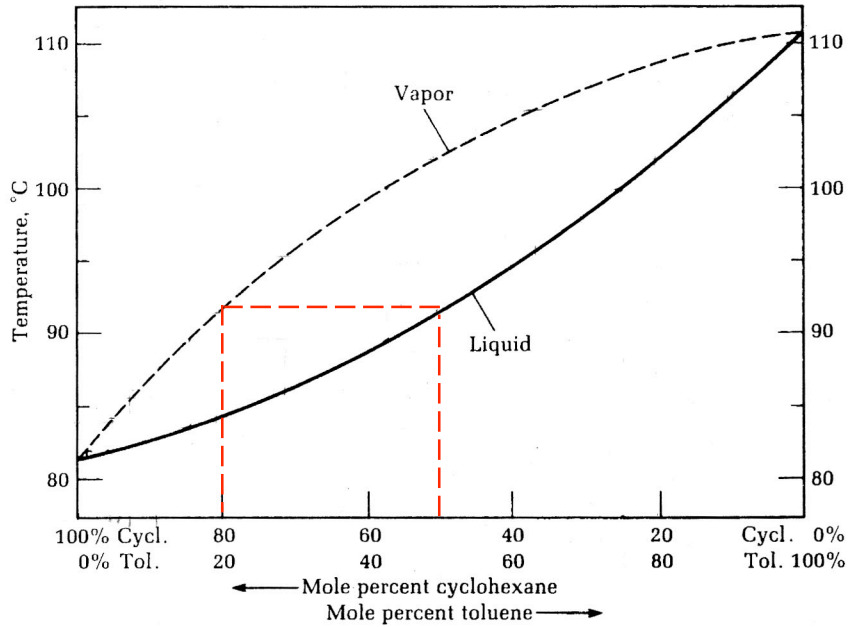


## BOILING POINT – COMPOSITION CURVE



**WHAT RESULTS IN DOING ONE VAPORIZATION-CONDENSATION STEP STARTING WITH THE MIXTURE OF 50% CYCLOHEXANE AND 50% TOLUENE?**

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**50% CYC / 50% TOL LIQ MIXTURE**

**VAPORIZE**      **CONDENSE**      **80% CYC / 20% TOL**

→                      →

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**EACH VAPORIZATION – CONDENSATION PROCESS IS KNOWN AS A “SIMPLE” DISTILLATION.**

**EACH SIMPLE DISTILLATION ENRICHES THE DISTILLATE IN THE LOWER-BOILING COMPONENT.**