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Development of A Reaction/Distillation Matrix for Systematic Generation of Sequences in A Single Two Component Reaction-Separation Case Study

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**Highlights**

- A systematic approach for synthesis of reaction-distillation processes is proposed.
- The algorithm is expansion of previously proposed "Separation Matrix".
- As a case study, 28 different sequences for n-Butane isomerization process are analyzed using the proposed algorithm.

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