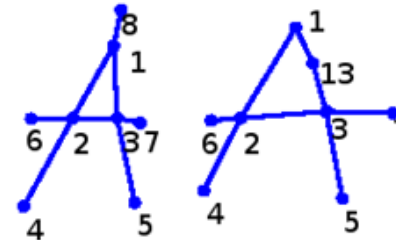


Automatic Learning of **Edit Costs** based on **Interactive & Adaptive Graph Recognition**

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Interactive Learning

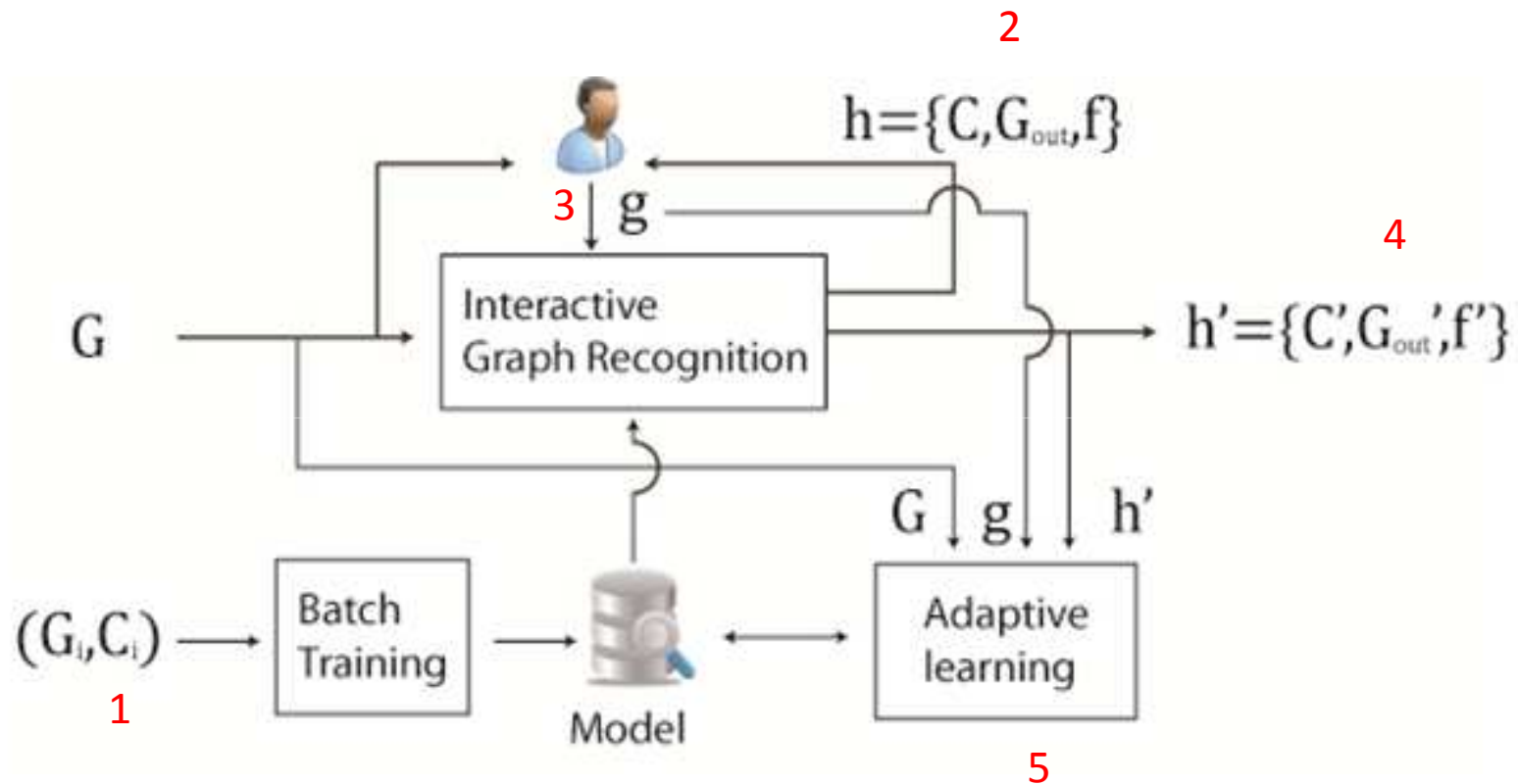
Update:

K_n Node insertion and deletion

K_e Edge insertion and deletion

$$dist_{K_n, K_e}(G, G') = \min_{(\varepsilon_1, \dots, \varepsilon_k) \in \vartheta(G, G')} \left\{ \sum_{i=1}^k C_{K_n, K_e}(\varepsilon_i) \right\}$$

Algorithm Proposal

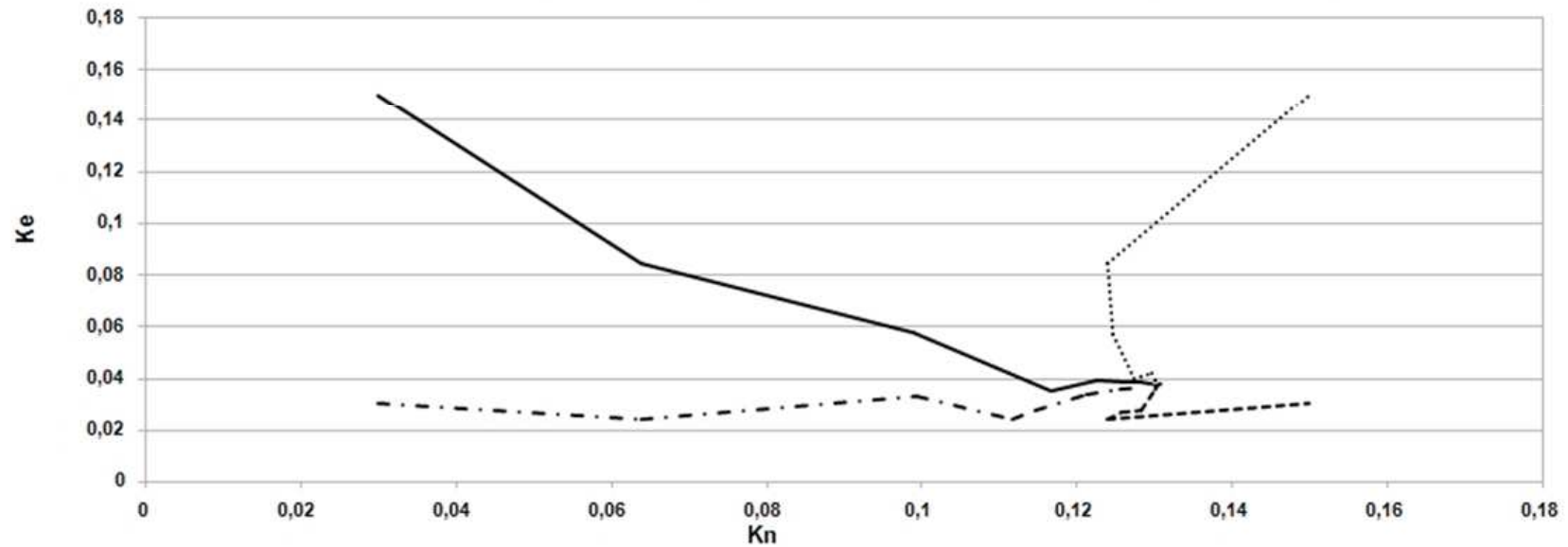
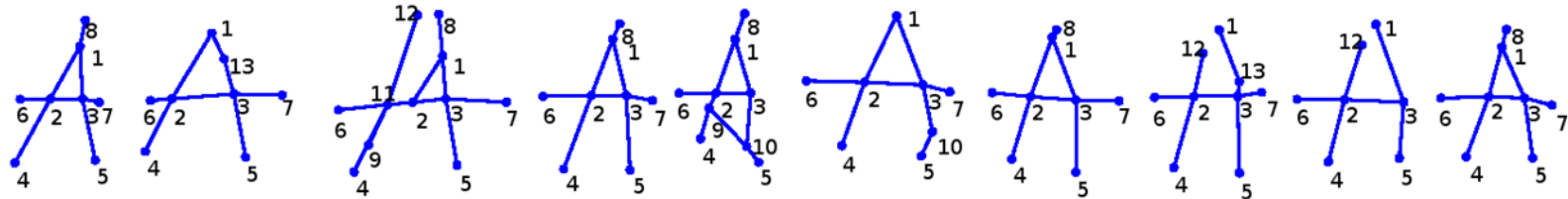


It updates:

K_n Node insertion and deletion

K_e Edge insertion and deletion

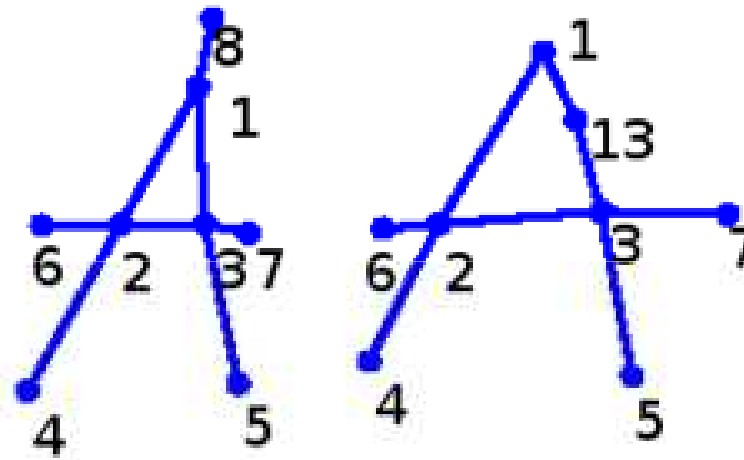
Results



Questions

Given two graphs:

- It is possible that the labelling imposed by the user is **never optimal** while varying K_n and K_e ?



- **How many** labellings are optimal while varying K_n and K_e ?

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