## Uebersicht Algos

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## 1 OneStepCD

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Algorithm 1: ONESTEPCD

Input: A uncolored Graph G=(V,E)

1 Remove from G all edges (i,j) \in E: i,j \in V^k for some k=1,\ldots,q;

2 Set V' \leftarrow \emptyset;

3 while |V'| < q do

4 | Set X \leftarrow \emptyset;

5 | for k=1,\ldots,q:V_k \cap V'=0 do

6 | \bigcup_{i=1}^k Set X \leftarrow X \cup argmin\{CD(i):i \in V^k\};

7 | Set X \leftarrow argmax\{CD(i):i \in X\};

8 | Set V' \leftarrow V' \cup \{x\};

9 | Assign the minimum possible colour to X;

10 | Remove from G all nodes in V_{c(x)} \setminus \{x\}
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- 2 GesamtAlgo
- 3 ILP Conflicts
- 4 State-of-the-art
- 5 Bezug zum oben angeführten Studium