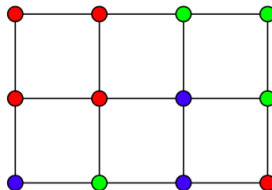
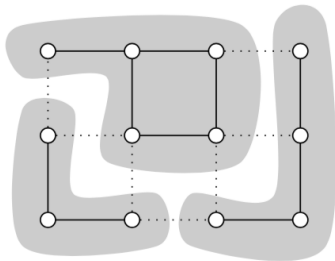


# Joint Graph Decomposition and Node Labeling by Local Search

E. Levinkov, S. Tang, E. Insafutdinov, B. Andres (ARXIV 2016)



- ▶ States the minimum cost node labeling lifted multicut problem, NL-LMP, an NP-hard combinatorial optimization problem whose feasible solutions define both a decomposition and a node labeling of a given graph.
- ▶ Defines & implements two local search algorithms that converge monotonously to a local optimum, offering a feasible solution at any time.
- ▶ Shows applications of these algorithms to the task of articulated human body pose estimation & to the task of multiple object tracking
- ▶ Evaluates on MPII Multi-Person benchmark and MOT16 for multi-object tracking benchmark