

## Exercise Sheet 10

### Task 1

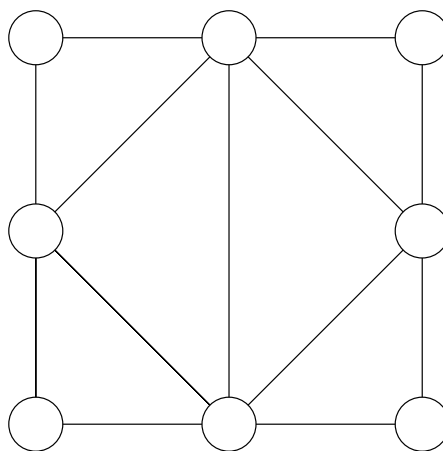
4 p.

Let  $G$  be an undirected graph. Proof: If every minimal vertex separator induces a complete subgraph of  $G$ , then  $G$  is triangulated.

### Task 2

6 p.

Compute a perfect elimination schema and a feasible coloring of the following graph. Provide all steps.



Task	1	2	total
Points	4	6	10
reached			