

Example Sheet 2

1. X is supposed to be locally path connected (always).

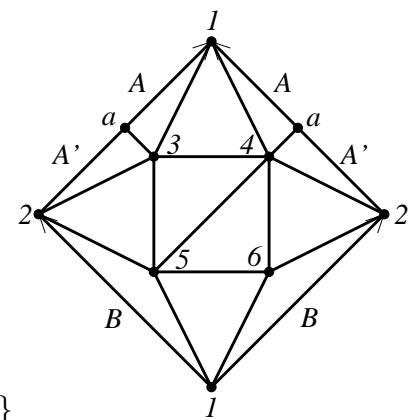
Example Sheet 3*

1 $\frac{1}{2}$. In part (b), “ Σ ” should be \mathcal{T} .

8. Part (b) is incorrect: In the figure, the segments labelled A are supposed to be identified and the segments labelled B are supposed to be identified, but the resulting segments A and B are supposed to be distinct. A corrected figure and triangulation appear below. (The vertex “ a ” has been added.)

$$V = \{ 1, 2, 3, 4, 5, 6, a \}$$

$$S = \{ \{1\}, \{2\}, \{3\}, \{4\}, \{5\}, \{6\}, \\ \{1, 2\}, \{1, 3\}, \{1, 4\}, \{1, 5\}, \{1, 6\}, \\ \{1, a\}, \{2, a\}, \{3, a\}, \{4, a\} \\ \{2, 3\}, \{2, 4\}, \{2, 5\}, \{2, 6\}, \\ \{3, 4\}, \{3, 5\}, \{4, 5\}, \{4, 6\}, \{5, 6\} \\ \{1, 3, a\}, \{1, 4, a\}, \{2, 3, a\}, \{2, 4, a\}, \\ \{1, 2, 5\}, \{1, 2, 6\}, \{1, 3, 4\}, \{1, 5, 6\}, \\ \{2, 3, 5\}, \{2, 4, 6\}, \{3, 4, 5\}, \{4, 5, 6\} \}$$



This file was last changed: 17 Jan 2005.

Please send any further correction or clarification requests to me at the email address below.