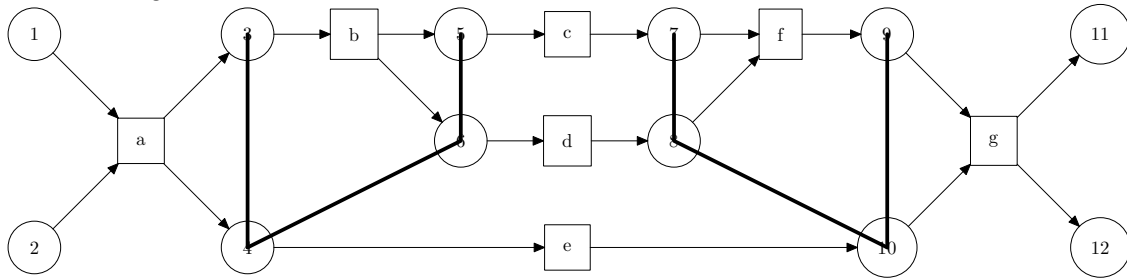


3.1 There are 6 regions in total. Regions are  $\{a\}$ ,  $\{b, e\}$ ,  $\{b, c\}$ ,  $\{e, f\}$ ,  $\{c, f, g\}$ ,  $\{c, d, g\}$ .

3.2 There are 5 lines, 11 cuts and 5 slices. Lines are:  $\{s_1, t_1, s_4\}$ ,  $\{s_1, t_1, s_5, t_3, s_7\}$ ,  $\{s_2, t_1, s_4\}$ ,  $\{s_2, t_1, s_5, t_3, s_7\}$  and  $\{s_3, t_2, s_6, t_3, s_7\}$ . Cuts are  $\{s_1, s_2, s_3\}$ ,  $\{t_1, s_3\}$ ,  $\{t_1, t_2\}$ ,  $\{s_1, s_2, t_2\}$ ,  $\{s_1, s_2, s_6\}$ ,  $\{t_1, s_6\}$ ,  $\{s_4, s_5, s_3\}$ ,  $\{s_4, s_5, t_2\}$ ,  $\{s_4, s_5, s_6\}$ ,  $\{t_3\}$  and  $\{s_7, s_4\}$ . Those cuts containing only conditions ( $s_i$ ) are slices.

Lines are the regions of the li relation and cuts are the regions of the co relation. The relations can be derived from the partial order relation.

3.4 Each elementary process contains a single step, and the associated pre- and postconditions. In the picture below, the lines show the decomposition. Note that event  $e$  could also belong to other elementary processes, namely with event  $b$  or  $g$ .



3.5 A process is shown below. In the first step, the conflicts were resolved in favor of events  $h_1$  and  $h_3$ . A different choice would result in a different process.

