

the maximum slack number which denotes the maximum service size which could actually be added to some ensemble.

The reported *over-supply* of the ensemble assignment measures the total size of the services for each node which are supplied but not required at the node. This will be zero iff the ensemble assignment is strict. Note that each service s counts once for each node/ensemble pair $(v, B) \in \mathcal{B}$ where $s \in B$ but $s \notin R_v$. The given figures are the totals and maximums over all nodes of the graph.

15 View Menu

This menu allows to redraw and change the graph view. It also provides an option for controlling the update of the graph display (“batch mode”).

Redraw Redraw the graph.

Zoom in Make the graph larger. This option and the next one depend on the setting of the ‘**zoom factor**’ in the view options menu.

Zoom out Make the graph smaller.

Fit to window Choose a zoom factor which makes the graph fit in the graph window.

Enable/Disable batch mode When this option is enabled (indicated with the text ‘[batch]’ in the status line), updates of the graph display are suppressed. This is useful, in particular, to speed up macro processing, e.g., when lot of different graphs are generated.

16 Extras Menu

This menu collects submenus for controlling the log, macros and various options. It also provides commands to invoke the test configuration dialog and export test results to a database (see Section 18).

16.1 Log Submenu

This menu provides operations for logging graph statistics and tool results to a file in delimited format. The output is organized into *records* and *fields*. A record corresponds to a single line in the log file and consists of zero or more fields, which are delimited with the character(s) given by the ‘**delimiter**’ value of the print/log options dialog. The contents of the fields depend on the type of information logged. For the tools (LLB’s, SFF, coloring, etc.), the output corresponds to what is shown as the tool result in the ‘**Results**’ dialog; for the statistics the same figures are given as in the ‘**Statistics**’ dialog (see *Tools Menu* above).

The menu offers the following commands.