DESCRIPTION OF RESOLUTION GRAPH DATA SET

NOTE: values in csv files are separated by tabulators because commas and semicolons appear in values.

NOTE: errors found by SQL queries may not be found flawlessly.

IMPORTANT: currently, timestamps from GRAPH are created on a server, others are created on clients. Thus it doesn't have to make sense when for example timestamps from CLAUSE and GRAPH are mixed.

More info can be found in Patrik's Vrábel Master's thesis "Web-base tool for input of resolution proofs" ("Webové prostředí pro vstup rezolučních důkazů").

CLAUSE – list of nodes from all graphs
- idclause – ID of the node
- coordinatex – x position in drawing
- coordinatey – y position in drawing
- timeofcreation – when the node was created
- timeofdeletion – when the node was deleted (if not deleted, value is "NA")
- idgraph – in which graph the node appears
- text – text label

EDGE – list of (directed) edges from all graphs
- idedge – ID of the edge
- starting – ID of the node from which this edge goes
- ending – ID of the node to which this edge goes
- timeofcreation
- timeofdeletion
- idgraph

ERRORS – errors found in resolution graphs (found by means of SQL queries – see Master's thesis above)
- idgraph – ID of the graph
- error3 – resolving on two literals at the same time (1 = error occurred, 0 = not occurred)
- error4 – repetition of the same literal in a set
- error5 – resolving on identical literals
- error8 – no resolution performed, only union of two sets
- allerrors – number of errors in the proof (graph), taken from error1-8 (each error counted max. once)

GRAPH – list of graphs
- idgraph – ID of the graph
- logintime – start of graph creation
- clausetype – either set or ordered list
- resolutiontype – type of resolution, encoded by numbers (see table resolutiontypes)
- assignment – textual assignment of task
- endtime – end of graph creation

MOVEMENT – list of coordinate changes of nodes
- idmovement – ID of the change
- idclause – ID of the node whose coordinates were changed
- coordinatex – new x coordinate
- coordinatey – new y coordinate
- time – time of the change

RESOLUTIONTYPES – encoding of resolution types
- typeid – ID (numeric encoding)
- typetext – textual value

TEXT – list of text (label) changes of nodes. One record is also created initially every time a node is created (with text "{}" or "[]").

- idtext – ID of the change
- idclause – ID of the node whose text label was changed
- time – time of the change
- text – new text (label) value

TYPES – list of resolution type and clause type changes

- idtypes – ID of the change
- resolutiontype – new value of resolution type for specific graph
- clasetype – new value of clause type for specific graph
- timeofchange – time of the change
- idgraph – ID of the graph whose values were changed