

Where:

<goal_id> - An identifier for the goal. It must be alphanumeric (underscores permitted).

<type> - must be one of the following:

- matchany - Results from all timestamped sets are evaluated. If the answertag names a result, then both that result and the resulttag must occur in the same timestamped set. The 'matchany' goals are treated as a set of values, each timestamped based on the timestamp of the reference resulttag.
- matchlast - only results from the latest timestamped set are evaluated.
- matchacross - The resulttag and answertag name results. The operator is applied against values in different timestamped sets. For example, a "string_diff" operator would require the named results to have at least two distinct values in different timestamped sets. Note: 'matchacross' cannot be used within the boolean expression defined below.
- boolean - The goal value is computed from a boolean expression consisting of goal_id's and boolean operators, ("and", "or", "and_not", "or_not", and "not"), and parenthesis for precedence. The goal_id's must be from goals defined earlier in the goals.config file, or boolean results from results.config. The goal evaluates to TRUE if the boolean expression evaluates to TRUE for any of the timestamped sets of goal_ids, (see the 'matchany' discussion above). The goal_id's cannot include any "matchacross" goals. NOTE: evaluation is within timestamped sets. If you want to evaluate across timestamps, use the count_greater_operator below.
- count_greater - The goal is TRUE if the count of TRUE subgoals in the list exceeds the given value. The subgoals are summed across all timestamps. The subgoal list is comma-separated within parenthesis.
- time_before - Both goal1 and goal2 must be goal_ids from previous matchany, or boolean values from results.config. A timestamped goal is created for each goal2 timestamped instance whose timestamp is preceded by a goal1 timestamped instance. The goal for that timestamp will be TRUE if the goal2 instance is TRUE, and at least one of the goal1 instances is TRUE. These timestamped goals can then be evaluated within boolean goals.
- time_during - Both goal1 and goal2 must be goal_ids from previous matchany goal types, or boolean values from results.config. Timestamps include a start and end time, reflecting when the program starts and when it terminates. A timestamped goal is created for each