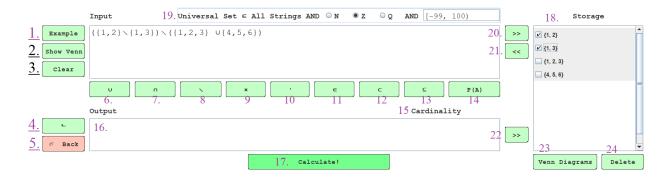
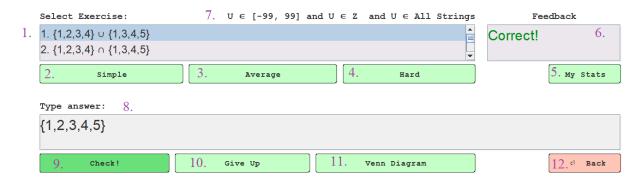
Calculator view:



- 1. Generates an example into input area.
- 2. Generates Venn diagram from the input expression
- 3. Clears input expression
- 4. Deletes input text and transfers output text to input text.
- 5. Returns user back to the menu
- 6. Union operator
- 7. Intersection operator
- 8. Difference operator
- 9. Cartesian product operator
- 10. Complement operator
- 11. Belongs to symbol
- 12. Proper subset operator
- 13. Weak subset operator
- 14. Power set operator. User has to input set inside the parenthesis
- 15. The cardinality of the output set
- 16. Calculation of the expression output
- 17. Button, which sends command to process the input and calculate the output
- 18. Storage area. User can save and retrieve the sets from input and output. Generate the diagrams from storage sets.
- 19. Universal set limitations. Each output and generated Venn diagrams will always be intersected with universal set. In other words, the displayed sets will not have those values, which are not within universal set. About all such intersections the user will be informed. Q stands for rational numbers. Q is not fully supported in set builder notation as the software is not able to produce uncountable sets. The user will be notified in that scenario.
- 20. Transfers input sets into storage
- 21. Retrieves storage sets and puts them in input area
- 22. Transfers output set to storage
- 23. Generates Venn diagram from selected sets from storage
- 24. Deletes selected sets from storage

Set Exercises View:



- 1. Select an exercise from the list
- 2. Loads a list of easy exercises
- 3. Loads a list of average difficulty exercises
- 4. Loads a list of hard exercises
- 5. Shows a report on how the user was practicing
- 6. Loads a feedback after clicking "Check!" or "Give up"
- 7. The sets from exercise list are limited by predefined universal set.
- 8. User shall type its answer for the selected exercise here.
- 9. Check button. The user shall check if the typed answer is correct
- 10. Give up button will display the answer of selected exercise in the feedback area
- 11. Shows the Venn diagram for the selected exercise
- 12. Back to menu