

Consider the problem of solving crossword puzzles: fitting words into a rectangular grid. The grid, which is given as part of the problem, specifies which squares are blank and which are shaded. For each word starting square you have a list of words that can be fitted (vertical and/or across).

The task is to fill in the blank squares using any subset of the given lists.

Hints:

- word lists to be used
 - 1A: hoses, laser, sails, sheet, steer
 - 4A: heel, hike, keel, knot, line
 - 7A: aft, ale, eel, lee, tie
 - 8A: hoses, laser, sails, sheet, steer
 - 2V: hoses, laser, sails, sheet, steer
 - 3V: hoses, laser, sails, sheet, steer
 - 5V: heel, hike, keel, knot, line
 - 6V: aft, ale, eel, lee, tie

note that A stands for across (horizontal) and V for vertical. use the String domain and the crossword constraints

Here it is the grid definition:

