

Assignment 4–Test Cases

loadPuzzle

- Give an alphabet where program is supposed to have an integer value.
- When available slot start column number + length exceeds maximum height of puzzle grid.
- When available slot start row number + length exceeds maximum width of puzzle grid.
- Input word with spaces.
- Grid position starting column number or row number is not in the range of grid positions.
- Give any letter other than h, H, v, V as direction of slot.
- If direction is v or V, and Size of slot received as input is greater than grid height.
- If direction is h or H, and Size of slot received as input is greater than grid Width.
- If some word is greater than every slot size available.
- If some word is smaller than every slot size available.
- Load puzzle with normal inputs.

solve

- Call solve puzzle before load puzzle.
- Puzzle with only one slot of valid length and one word to fit.
- Puzzle with too many slots and too many words.
- Puzzle with normal number of slots and normal number of words.
- Puzzle with only one slot with size 1 and one word of length 1(i.e. character).

print

- Call print before load puzzle and solve puzzle.
- Call print after loadPuzzle and before solvePuzzle.

choices

- Call choices before load puzzle and solve puzzle.
- Call print after loadPuzzle and before solvePuzzle.