General Instructions:

* No static or global variables.
* Can assume input is legal.
* Each function (including Main) can contain up to 16 lines.
  + Mention before the function how many lines it contains.
  + 5 pts bonus if the longest function contains up to 13 lines.
* Each line (including comments and indents) can contain up to 77 characters.
* Mention briefly before each function what it does.
* Use meaningful variable and function names.
* Use proper indentation.
* Use #DEFINE for constants.
  + name them according to their purpose, not their content.
* No code duplication, meaning, don’t write similar functions that refer to different variables.

function list:

* Round: the current state of the board is printed, and an input is requsted.
* Is\_legal: checks if the input is legal.
* board\_state: checks if the board is won, tied, or active.