

These are the 8 rules given to the LLM during equation generation that the LLM must follow in order to create proper equations that can be used by the symbolic solver.

- 1- Each sentence in the solution either introduces a new variable or states a new equation with no symbols.
- 2- The last sentence gives the goal: which variable will contain the answer to the problem.
- 3- Each equation only uses previously introduced variables.
- 4- All variables are only one character long.
- 5- Each quantity is only named by one variable.
- 6- Use all the numbers in the question.
- 7- Each declared equation or variable should be encased with '[' and '']'
- 8- The equations end with: "The answer is the value of d [[answer _]]."