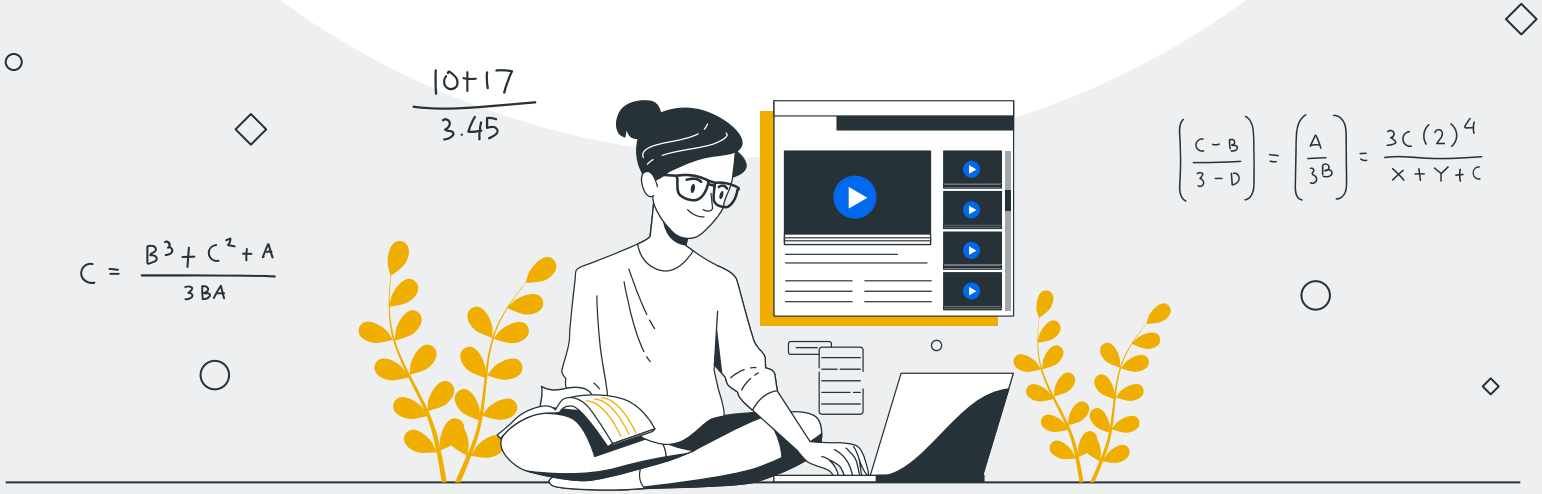
Diagnosing Common Reasons for Car Failure

Eugene Lee, Tevin Vu, Victor Tran

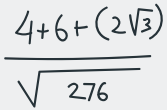


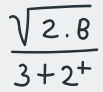
01

Overview

Data

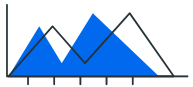
https://www.ifitjams.com/starting.htm

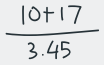




Why Prolog

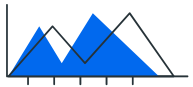
Backtracking, more support than CLIPS, etc...





Structure

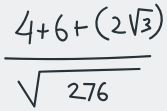
Separate facts & inferencing logic

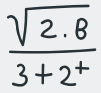


02

Demo


ROOMS
TO LET
YC59 XAH

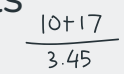


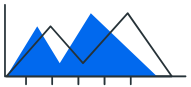


Lessons Learned

Original iteration was “C++ like,” trying to mimin nested if statements.

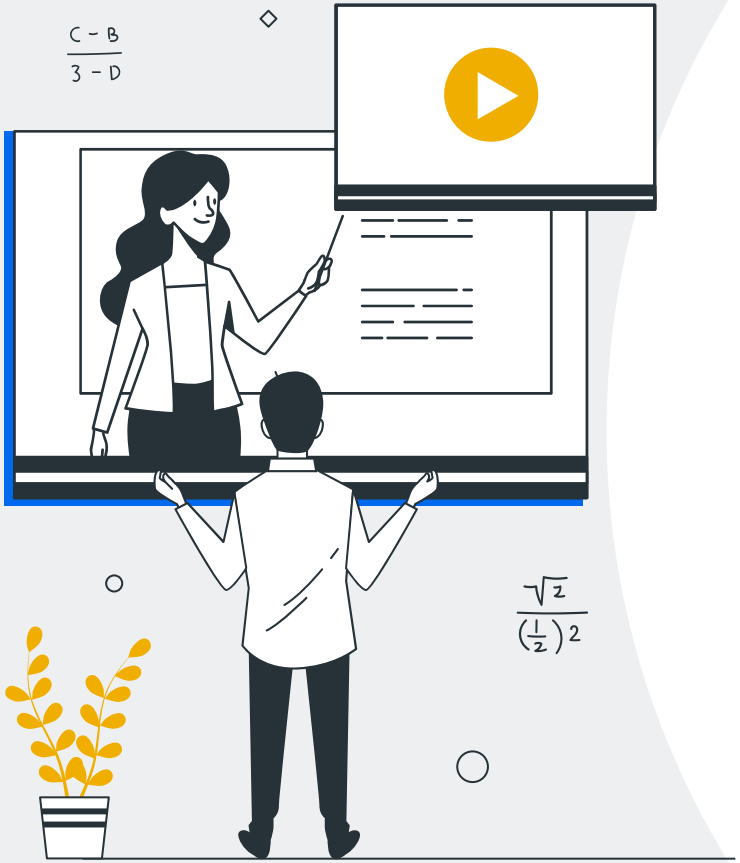
New iteration appropriately separates the fact from the logic. Pattern matching, unification, backtracking, and lists





03

Questions



Thanks