SWI PROLOG PLUMBING DIAGNOSIS SYSTEM OUTPUT

```
|
Warning: c:/users/adarsh tyagi/downloads/ai ml vityarthi project1/kb_rules.pl:38:
Warning:    Singleton variables: [Fixture]
%  kb_rules.pl compiled 0.00 sec, 9 clauses
%  kb_solutions.pl compiled 0.00 sec, 4 clauses
% c:/Users/ADARSH TYAGI/Downloads/AI ML VITYARTHI PROJECT1/main.pl compiled 0.00 sec, 7 clauses
```

```
Welcome to SWI-Prolog (threaded, 64 bits, version 9.2.9)
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For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-
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?- start_diagnosis.
--- Welcome to Plum-Bot: Plumbing Diagnosis Expert System ---
What fixture is the problem in? (e.g., sink, toilet, tub): sink.
What is the main problem? (e.g., slow_drain, running_water, no_hot_water): |: slow_drain.


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**DIAGNOSIS:** The most probable cause is: **clogged_p_trap**.

**RECOMMENDED ACTION PLAN:**
1. Place a bucket under the pipe.
2. Use channel locks or wrench to remove the slip nuts on the P-trap.
3. Clear the blockage by hand or with a wire.
4. Reassemble the trap and test the drain.

---
--- Diagnosis Complete ---
true.

?-
```