

openai/gpt-5.2-pro-2025-12-11 — accuracy — prompt_c012d6f2e6 (cnf_v2)

prompt_template=prompts/_template_unified.j2 | parse_family=contradiction

Instruction excerpt:

Your task is to solve a propositional logic problem.

Choose the appropriate interpretation based on how the statements are rendered below.

- If you see facts like "p1." and rules like "if p2 and p3 then p4.", treat them as Horn facts and implications, and determine whether p0 can be derived.
- If you see disjunctions like "p1 is true or p2 is false." or compact forms like "p1 or not(p2).", treat them as CNF clauses, and determine whether the set is a contradiction (unsatisfiable) or satisfiable.

Conventions

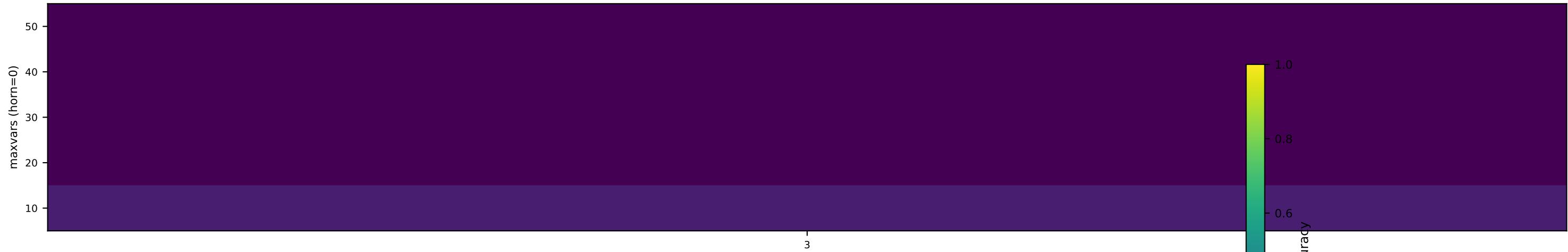
- Propositional variables are written as pN, where N is a number.
- All statements are jointly assumed true (conjoined).

...

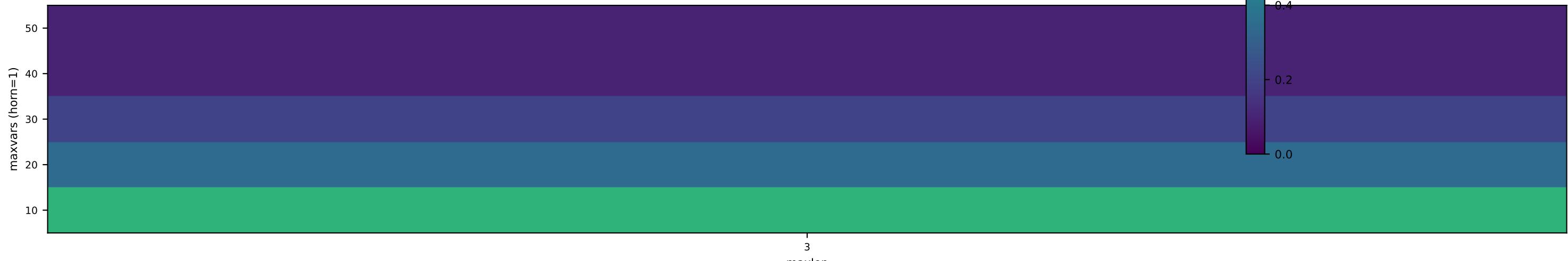
Example (horn=1, low, maxvars=4, maxlen=2, satflag=1)

```
not(p4).
p2.
not(p3) or p1.
not(p3) or p4.
not(p2) or p1.
```

no_thinking_tag (n=48)



no_thinking_tag (n=103)



openai/gpt-5.2-pro-2025-12-11 — sat_accuracy — prompt_c012d6f2e6 (cnf_v2)

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Conventions

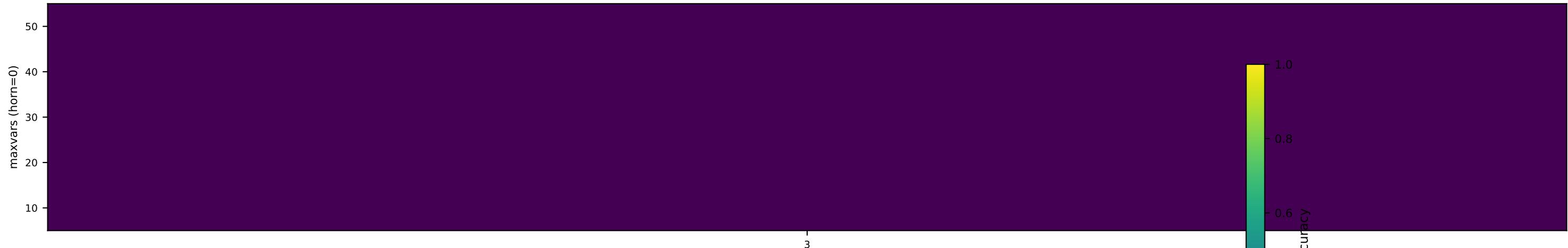
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...

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```
not(p4).
p2.
not(p3) or p1.
not(p3) or p4.
not(p2) or p1.
```

no_thinking_tag (n=48)



no_thinking_tag (n=103)



openai/gpt-5.2-pro-2025-12-11 — unsat_accuracy — prompt_c012d6f2e6 (cnf_v2)

prompt_template=prompts/_template_unified.j2 | parse_family=contradiction

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- If you see disjunctions like "p1 is true or p2 is false." or compact forms like "p1 or not(p2).", treat them as CNF clauses, and determine whether the set is a contradiction (unsatisfiable) or satisfiable.

Conventions

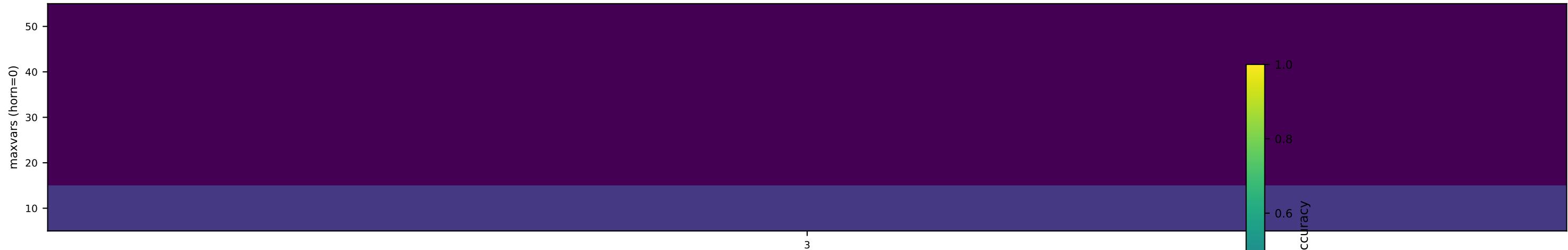
- Propositional variables are written as pN, where N is a number.
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...

Example (horn=1, low, maxvars=4, maxlen=2, satflag=1)

```
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p2.  
not(p3) or p1.  
not(p3) or p4.  
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