

anthropic/clause-sonnet-4-20250514 — accuracy — prompt_c6875730a1 (horn_if_them) (horn=1, low, maxvars=3, maxlen=3, satflag=1)

prompt_template=prompts/exp6_horn_yesno.j2 | parse_family=yes_no

Instruction excerpt:

Your task is to solve a problem in propositional logic containing both facts and if-then rules.

You will get a list of facts and if-then rules and have to determine whether a fact p_0 can be derived from this list.

If a fact p_0 can be derived, the last word of your answer should be 'yes', otherwise the last word should be 'no'.

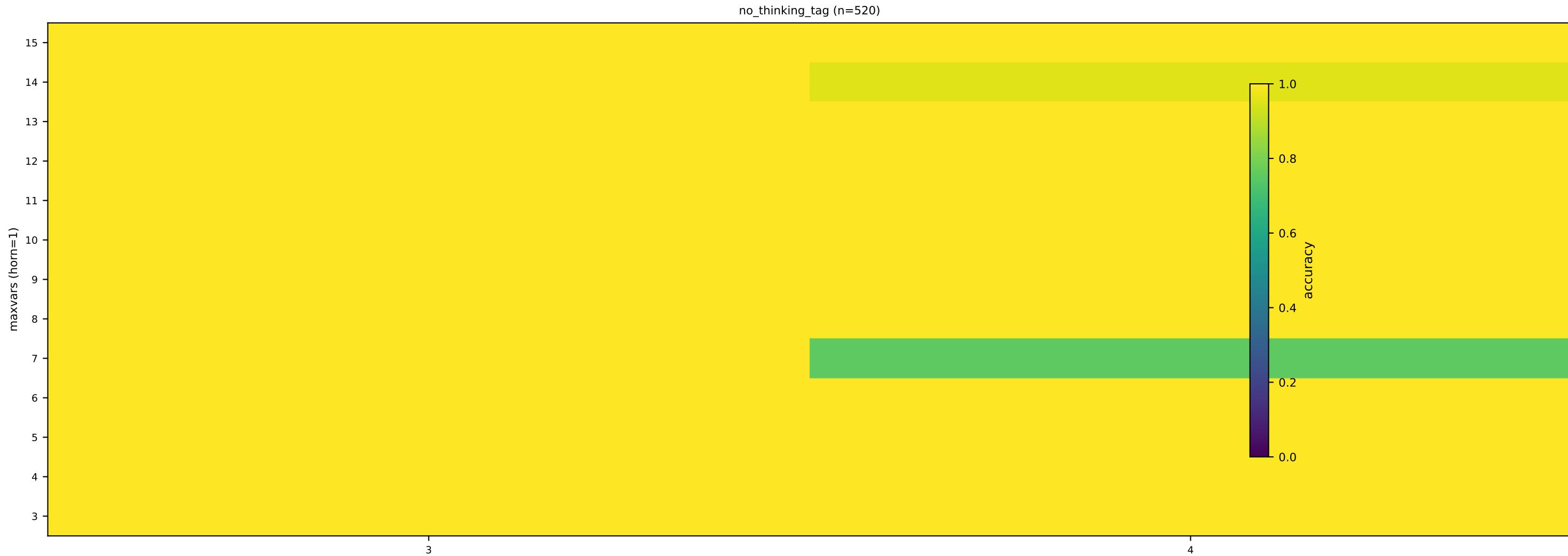
Facts are represented as 'pN' where N is a number.

All the statements are either facts or if-then rules allowing to derive a single fact.

All the given statements are implicitly connected with 'and': they are all claimed to be true.

...

p1. p2. if p1 then p0. Answer: yes.
Example 2. Statements: p1. p2. if p1 then p9. Answer: no.
Example 3. Statements: p1. if p1 then p2. if p2 then p0. Answer: yes.
Example 4. Statements: p1. if p1 then p3. if p2 and p1 then p0. Answer: no.
Example 5. Statements: p1. if p1 then p2. if p2 then p3. if p3 then p0. Answer: yes.
Example 6. Statements: p1. if p1 then p2. if p2 then p1. if p3 then p0. Answer: no.
Example 7. Statements: p1. p3. if p1 then p2. if p2 and p3 then p4. if p4 then p0. Answer: yes.
Example 8. Statements: p1. if p1 then p2. if p2 and p3 then p4. if p4 then p0. Answer: no.
Example 9. Statements: p6. p3. if p3 then p1. if p3 then p1. if p4 and p5
...



anthropic/clause-sonnet-4-20250514 — sat_accuracy — prompt_c6875730a1 (horn=1, low, maxvars=3, maxlen=3, satflag=1)

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Instruction excerpt:

Your task is to solve a problem in propositional logic containing both facts and if-then rules.

You will get a list of facts and if-then rules and have to determine whether a fact p_0 can be derived from this list.

If a fact p_0 can be derived, the last word of your answer should be 'yes', otherwise the last word should be 'no'.

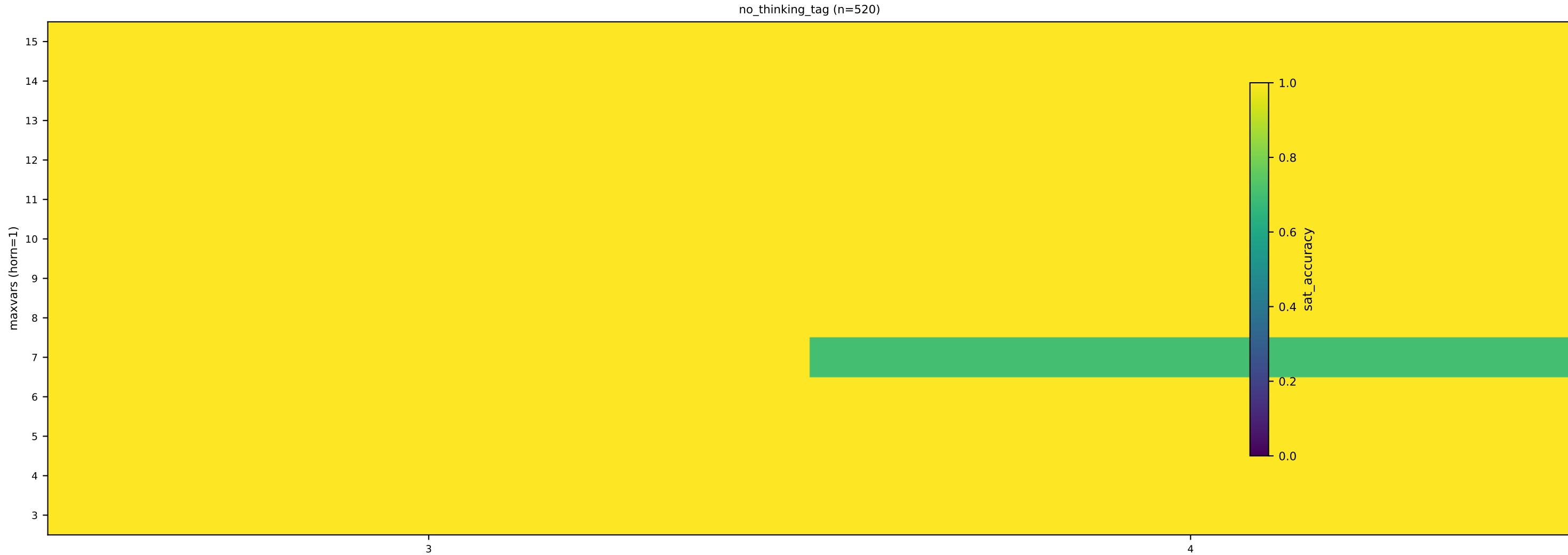
Facts are represented as ' pN ' where N is a number.

All the statements are either facts or if-then rules allowing to derive a single fact.

All the given statements are implicitly connected with 'and': they are all claimed to be true.

...

Example 1. Statements: $p1. p2. \text{if } p1 \text{ then } p0$. Answer: yes.
Example 2. Statements: $p1. p2. \text{if } p1 \text{ then } p9$. Answer: no.
Example 3. Statements: $p1. \text{if } p1 \text{ then } p2. \text{if } p2 \text{ then } p0$. Answer: yes.
Example 4. Statements: $p1. \text{if } p1 \text{ then } p3. \text{if } p2 \text{ and } p1 \text{ then } p0$. Answer: no.
Example 5. Statements: $p1. \text{if } p1 \text{ then } p2. \text{if } p2 \text{ then } p3. \text{if } p3 \text{ then } p0$. Answer: yes.
Example 6. Statements: $p1. \text{if } p1 \text{ then } p2. \text{if } p2 \text{ then } p1. \text{if } p3 \text{ then } p0$. Answer: no.
Example 7. Statements: $p1. p3. \text{if } p1 \text{ then } p2. \text{if } p2 \text{ and } p3 \text{ then } p4. \text{if } p4 \text{ then } p0$. Answer: yes.
Example 8. Statements: $p1. \text{if } p1 \text{ then } p2. \text{if } p2 \text{ and } p3 \text{ then } p4. \text{if } p4 \text{ then } p0$. Answer: no.
Example 9. Statements: $p6. p3. \text{if } p3 \text{ then } p1. \text{if } p3 \text{ then } p1. \text{if } p4 \text{ and } p5$
...



anthropic/clause-sonnet-4-20250514 — unsat_accuracy — prompt_c6875730a1 (horizon=1, low, maxvars=3, maxlen=3, satflag=1)

prompt_template=prompts/exp6_horn_yesno.j2 | parse_family=yes_no

Instruction excerpt:

Your task is to solve a problem in propositional logic containing both facts and if-then rules.

You will get a list of facts and if-then rules and have to determine whether a fact p_0 can be derived from this list.

If a fact p_0 can be derived, the last word of your answer should be 'yes', otherwise the last word should be 'no'.

Facts are represented as 'pN' where N is a number.

All the statements are either facts or if-then rules allowing to derive a single fact.

All the given statements are implicitly connected with 'and': they are all claimed to be true.

...

Example 1. Statements: p1. If p1 then p0. Answer: yes.
Example 2. Statements: p1. p2. if p1 then p0. Answer: no.
Example 3. Statements: p1. if p1 then p2. if p2 then p0. Answer: yes.
Example 4. Statements: p1. if p1 then p3. if p2 and p1 then p0. Answer: no.
Example 5. Statements: p1. if p1 then p2. if p2 then p3. if p3 then p0. Answer: yes.
Example 6. Statements: p1. if p1 then p2. if p2 then p1. if p3 then p0. Answer: no.
Example 7. Statements: p1. p3. if p1 then p2. if p2 and p3 then p4. if p4 then p0. Answer: yes.
Example 8. Statements: p1. if p1 then p2. if p2 and p3 then p4. if p4 then p0. Answer: no.
Example 9. Statements: p6. p3. if p3 then p1. if p3 then p1. if p4 and p5
...

no_thinking_tag (n=520)

