

Knowledge Representation & Reasoning

(Group C)

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- ▶ Grades HW2 have been posted
- ▶ Exam: March 28, 14:00

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 - ▶ On pen & paper
 - ▶ Can bring cheat sheet, just not digital
 - ▶ Tip: bring examples of ASP problems and solutions

THIS WEEK: EXERCISES DISJUNCTION IN HEAD & SATURATION

- ▶ Disjunction in the head, unlike choice rules, cares about minimality:
 - ▶ $a;b. \rightarrow \{\{a\}, \{b\}\}$
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 - ▶ Technique to ensure there are no counterexamples
 - ▶ When you saturate, *all* relevant atoms become true
 - ▶ A counterexample would be a strict subset of all relevant atoms
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 - ▶ Can also be used to generate partial “normal” answer sets starting from which there are no counterexamples (exercise 4,5)