



10 Things I Hate about Soar

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1. Syntax

★ $\langle x \rangle$

★ $\langle \langle x y \rangle \rangle$

★ $\langle 0 \rangle +, =, \dots$



2. No parallel addition

If there are an arbitrary number of things to be added (multiplied, ...), they must be done sequentially.



3. Difficult to debug


Non-local access and modification of data structures - distributed across multiple goals, operators, rules

4. Undergeneralization

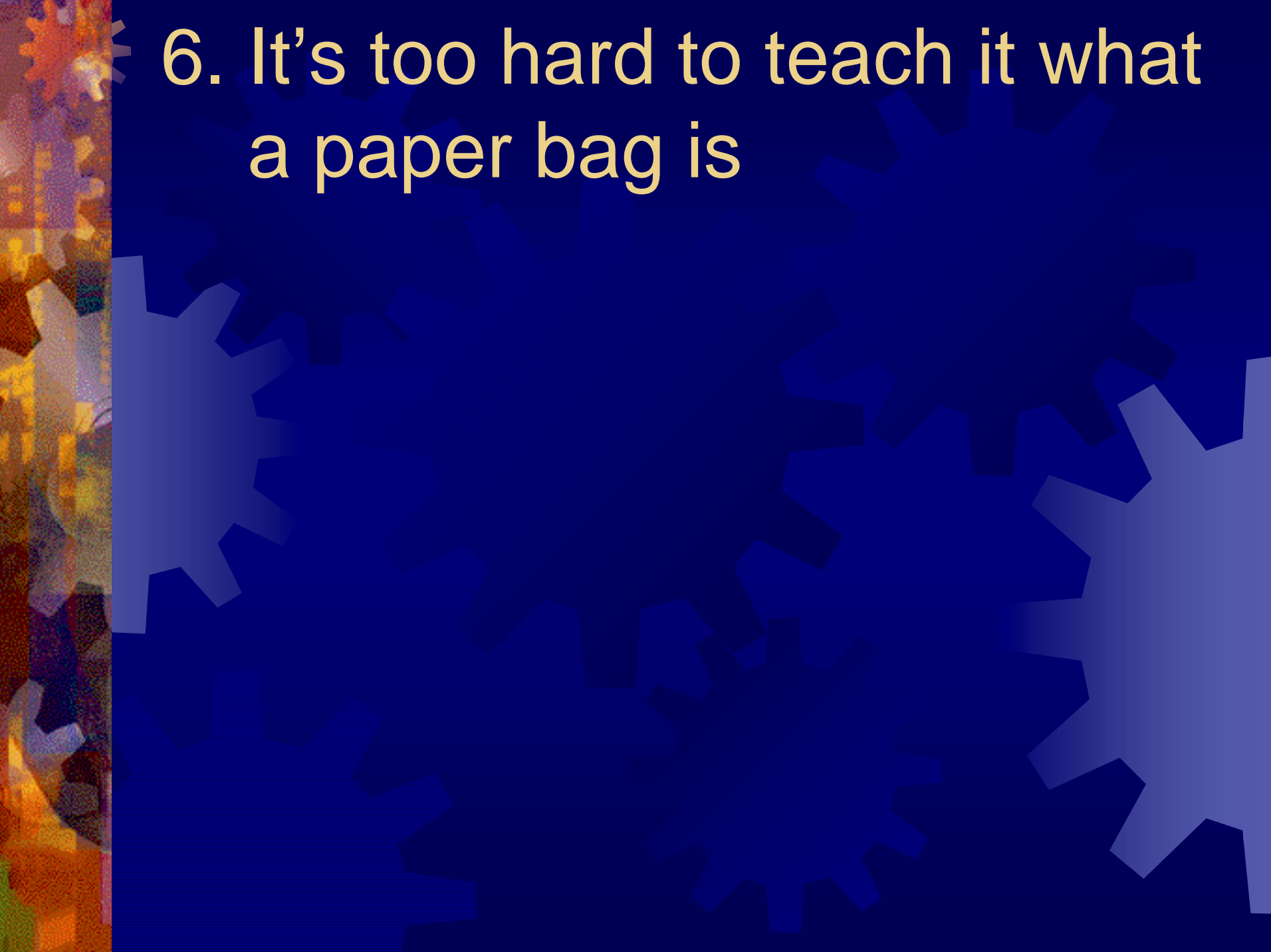
- ✦ Tests of symbols with variables are converted to constants
- ✦ EBL generalization would do better
 - ✦ But is it too powerful?


5. Overgeneralization

- ★ Can learn that if A, B, C are true, do X
 - ★ $A, B, C \rightarrow X$
- ★ But when D is also true, it should do Y
 - ★ Soar's support for sets and the decision procedure allows this without using negation



6. It's too hard to teach it what
a paper bag is



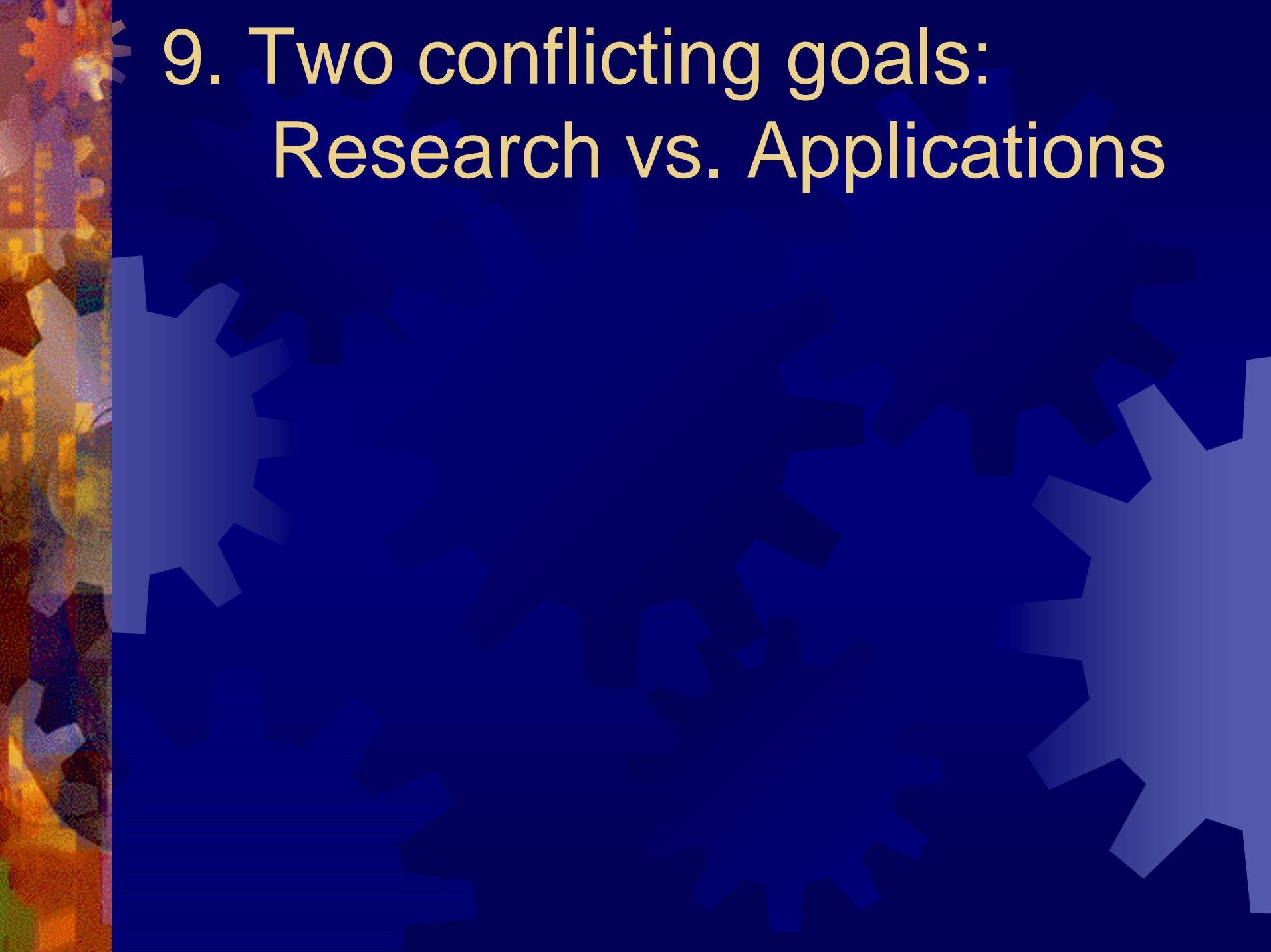


7. It can't find its way out of a paper bag



8. It can't remember that it
was ever in a paper bag





9. Two conflicting goals: Research vs. Applications



10. Þróðgraflan Sögriðvirkisþess teachmyearfun