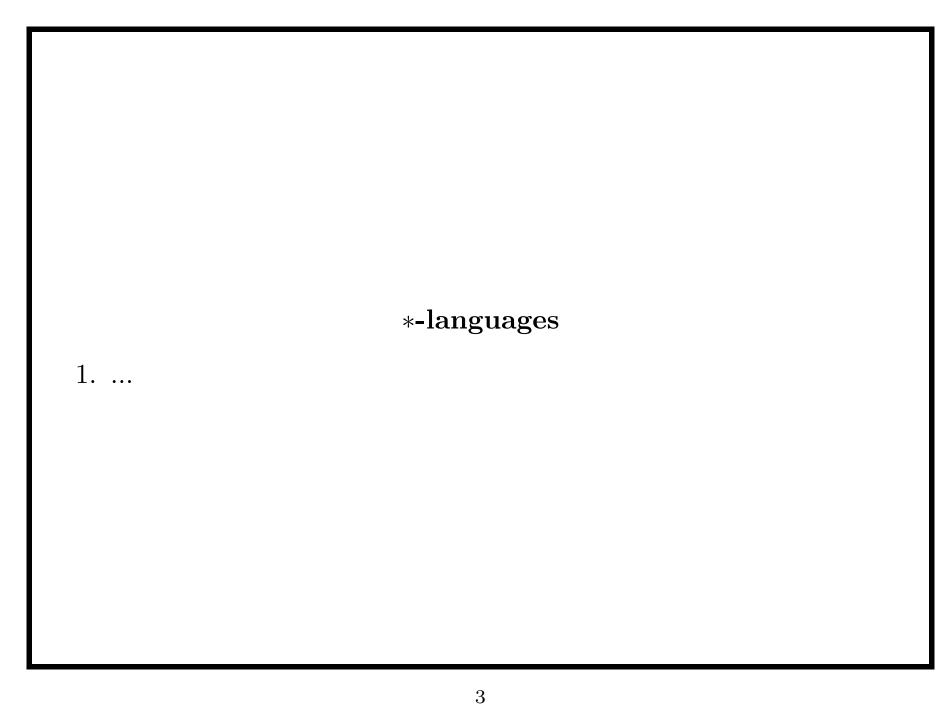
Contributions to the structure theory of ω -languages

Overview

- 1. (regular) *-languages
- 2. $\mathcal{L}^* \to \mathcal{L}^{\omega}$ operators
- 3. Some results about ω -languages



Some results

- 1. BC ext \mathcal{L}^* (piece-wise testable) = BC lim \mathcal{L}^* (piece-wise testable)
- 2. $\mathcal{L}^{\omega}(FO[+1]) = BC \operatorname{ext} \mathcal{L}^{*}(FO[+1])$
- 3. $\mathcal{L}^{\omega}(FO[<]) = BC \lim \mathcal{L}^*(FO[<])$
- 4. BC ext $\mathcal{L}^*(FO[<]) \subseteq BC \lim \mathcal{L}^*(FO[<])$
- 5. BC ext \mathcal{L}^* (locally testable) \subseteq BC lim \mathcal{L}^* (locally testable)
- 6. BC ext \mathcal{L}^* (pos-PT) = BC lim \mathcal{L}^* (pos-PT)
- 7. BC ext $\mathcal{L}^*(\text{pos-PT}) = BC \text{ ext } \mathcal{L}^*(\text{PT})$