Ambiguity in symbolic dynamics

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We survey the notion of unambiguity for automata representing languages
or shift spaces. We relate this notion with that of recognizability for morphisms,as in
Mosse's Theorem and its further generalizations. We focus on the case of coded
shifts introduced by Blanchard and Hansel.
We state several results, including an unpublished one by Doris Fiebig: every coded
shift is unambiguously coded. We describe several methods for computing an
unambiguous representation
of a synchronized coded shift (joint work with Marie-Pierre Beal and Antonio
Restivo).