HOW DO AGENTS COORDINATE IN THE “EL FAROL”? 

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Abstract – This paper use a particular class of Learning Classifier to investigate how agents learn and coordinate in the “El Farol” model. Complementing theoretical as well as empirical findings on minority games, we show that coordination is achieved to a high degree by a population of agents that only use limited information about the environment. We also observe that convergence to equilibrium is facilitated by the emergence of undecided agents who lessen the probability of coordination failures to occur.

Key words – El Farol, coordination, indecision, learning classifier systems.