The basin of attraction of the equal split in a simple version of the Nash demand game under the replicator dynamics is investigated with and without exchange of costless pre-bargaining signals. Strategies can condition the demand made in the bargaining game on the signal received. The signals have no preexisting meaning, so that the significance of the signals coevolves with the bargaining behavior. Nevertheless, computer simulations show that signals dramatically increase the size of the basin of attraction of the equal split. The explanation of this fact in transient phenomena is investigated.