Disco I - WorkSheet 6

September 29, 1998- Professor Broughton

Name:	Box #:

- 1. Transition matrices for Cayley Graphs
 - 1. Draw the Cayley graph for TIAR₃: Indicate the probabilities.

ABC CAB BCA

ACB BAC CBA

2. Compute the transition matrix for the above diagram. Compute the deck distribution after 1, 2, and 3 shu – es.

2. Transition matrices for card shu- e diagrams.

3. Draw the card shu- e diagram for the $^{\circledR}$ = $(1; 2); ^{-}$ = (1; 2; 3; 4). Indicate the probabilities. Compute the transition matrix and determine the distribution of each of the 4 cards after 3 shu- es.

4. Do the same as question 3 for TIAR₄: