CS514: HOMEWORK 5

Due date: 5/7/13

Solve one of the following parallel repetition problems:

**Problem 1:** In class we saw the Fortnow-Feige game. We saw that when the game was parallel repeated twice, the success probability did not go down (it remained 1/2). Show the best strategy (the one that achieves the highest success probability) when the game is parallel repeated three times.

**Problem 2:** Show the best strategy (the one that achieves the highest success probability) when the CHSH game is parallel repeated two times.