

HW 10 HONR 209M. Morally Due April 27

1. (10 points) Write HOMEWORK 10 on the paper. What is your name? Write it clearly. Staple your HW. When is the final?
2. (90 points) Consider the 3-person discrete Envy-Free protocol
 - (a) Give a scenario where Alice thinks she has at least $1/2$.
 - (b) Speculate: Fill in the XXX: There is a scenario where Alice gets XXX but there is no scenario where Alice gets MORE THAN XXX.
 - (c) Give a scenario where Bob thinks she has at least $1/2$.
 - (d) Speculate: Fill in the XXX: There is a scenario where Bob gets XXX but there is no scenario where Bob gets MORE THAN XXX.
 - (e) Give a scenario where Carol thinks she has at least $1/2$.
 - (f) Speculate: Fill in the XXX: There is a scenario where Carol gets XXX but there is no scenario where Carol gets MORE THAN XXX.