Barge Problem #2
Gaugler’s final grade fiasco

Professor Gaugler’s math course has $2n$ students. To avoid excess grading, Professor Gaugler has decided that the possible grades for his class are either pass or fail. Unfortunately, he accidentally emails each student everyone else’s final grade but theirs! Does there exist a strategy, that if followed by everyone, allows at least half of the class to guess their own grade correctly? (You may assume that the class agrees on a strategy before the grades are released.)

Due by 6am on Saturday, September 23rd. Neatly written or typed submissions may be emailed to bloomjs@lafayette.edu.