You will work with a randomly assigned group to complete this assignment in lab on Monday. The individually-completed write-up is due by midnight on Thursday (November 1st).

**Question 1:** Compare the set of Nash equilibria and the set of correlated equilibria for an arbitrary game. Is one always a subset of the other? Prove your answer.
Question 2 (optional challenge): Prove that for midterm question 4B (richer sponsored search) the VCG mechanism is an ideal auction (allocation and payments can be computed in polynomial time). HINT: turn the allocation rule into a matching problem.