

CIS 5371 – Cryptography

Writing Exercise : Deadline Tuesday 9/17/2024

Instructor: Viet Tung Hoang

*This is an ungraded exercise, but it counts towards your participation. We'll pick some representative papers among your solutions to go over in the writing workshop on Thursday 9/19. Please upload your solution to Canvas by midnight of Tuesday 9/17. Note that your paper should be **anonymous** so that it can be shown to your classmates. Please prepare your solution via Latex. If you have difficulty with Latex, please use office hours; I'm happy to help.*

1. (5 points) In class, we learned about the dating problem and the 5-card trick. Prove that the trick protects the privacy of Bob.

Note: In Latex, you can write ♡ and ♣ using the commands `\heartsuit` and `\clubsuit` respectively.