

# Homework 3

## CMSC 691R Quantum Computation

### 1 Problem 1.

Read [1]. Then in your own words write up a complete proof of the no-deleting theorem proven within the paper. Feel free to add your own comments and insights about what you have learned.

### References

- [1] Pati, Arun Kumar, and Samuel L. Braunstein, *Impossibility of deleting an unknown quantum state*, *Nature*, Vol. 404, 9 March 2000, pp 164-165.