

Exercise 3
CMSC 691Q
Quantum Computation
Dr. Lomonaco

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.