Update equations in Appendix B

In re-reading the proofs, we noticed that our mathematical notation in Appendix B was somewhat inaccurate. Specifically, when writing out the function "g" we omitted to list one of its arguments, namely "\zeta". We would therefore like to update the equations in Appendix B to make it clear to readers that "\zeta" is one of the arguments of the function "g". This is relatively obvious upon inspection of the equations, but we wish to be as accurate as possible in our notation.