

Assignment #6

Name: _____ ID: _____

This assignment has **1** questions, for a total of **25** marks.

Question 1: **Fully Abstract Compilation to ASLR** 25 marks

Define a compiler to your target language using ASLR from a few assignments ago, and prove that it is fully abstract. Choose wisely, is a context-based backtranslation possible, or should you do a trace-based one? In case of the latter, define fully abstract traces and just argue why they are fully abstract. Once you have the backtranslation, prove that it is correct, and derive full abstraction for your compiler.