Quiz 10

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This quiz does not count towards your grade. It exists to simply gauge your understanding. Treat this as though it were a portion of your midterm or final exam.

1 Countability

1. Prove that the set of all functions mapping the naturals $\mathbb{N}$ to $\{0, 1\}$ is uncountable.

2 Computability

1. Prove that autograding a Python homework assignment, in general, is uncomputable.