Homework Assignment #2 Due: Friday, October 9, 2020 at 5:00 p.m.

1. Let T(n) be an increasing function. Prove that if $L \in NTIME(T(n))$ then $L^* \in NTIME(n \cdot T(n))$.

Your proof should be quite detailed, using the definition of NTIME in terms of non-deterministic (single-tape) Turing machines.