

CSE 332: Data Abstractions

QuickCheck: Asymptotics (due Thursday, October 8)

Name:

0. \mathcal{O} My God!

Recall the definition of $f \in \Omega(g)$ is as follows:

$$\exists(c, n_0 > 0). \forall(n \geq n_0). f(n) \geq cg(n)$$

Prove that $4n^2 + n^5 \in \Omega(n)$.