

- [10] 4. Consider the problem: maximize x_1 subject to $x_1 \leq 5$, $x_1 \geq 2$, $x_1 \geq 0$. Write this as a linear program in standard form. Use the two-phase method, **adding an auxiliary variable x_0 to EVERY slack variable equation in the dictionary**, to solve this LP. Use the smallest subscript rule to break any ties for entering or leaving variables.