## Problem Given the function $f: \mathbb{R} \to \mathbb{R}$ defined by $f(x) = x^2 - 3x + 1$ obtain the global minima of the function. Knowledge (What?) 1. Differentiate f(x) to get 2. Equate $\frac{df}{dx} = 0$ 3. Use the second derivative test Technique (How?) By code import sympy as sym $\frac{df}{dx} = 2x - 3$ x = sym.Symbol("x")sym. diff(x \*\* 2 - 3 \* x + 1, x)Out [1]: 2 \* x - 3In [2]: