Problem 6 Solution

 $\mathcal{U}(x) = \pm \sqrt{\sqrt{2(\sqrt{2}-2\sqrt{2})} \times 1} + \sqrt{2}$



O solution satisfier BCs.

$$= \bigvee_{ST} - \mathcal{U}_{(x)} = \bigvee_{ST} - \bigvee_{V_{ol}} (\bigvee_{d} - 2\bigvee_{ST}) \frac{x}{L} + \bigvee_{ST}^{2}$$

$$\overline{F}_{x}(x) = -\frac{dV}{dx} = \frac{V_{d}(V_{d} - ZV_{ST})/L}{2VV_{d}(V_{d} - ZV_{ST})\frac{x}{L} + V_{ST}^{2}}$$