Problem Set #[4]

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Problem 7.1 Part (i).

$$\frac{\partial g_{cfe}(n)}{\partial n} = n^{\frac{1}{\theta}} \tag{1}$$

$$\frac{\partial g_{cfe}(n)}{\partial n} = n^{\frac{1}{\theta}}$$

$$\frac{\partial g_{elp}(n)}{\partial n} = \frac{b(\frac{n}{\tilde{l}})^{\upsilon}(1 - (\frac{n}{\tilde{l}})^{\upsilon})^{(\frac{1}{\upsilon} - 1)}}{n}$$
(2)

Part (ii). Please see Fig 1

Problem 7.2

Part (i). u'(c) = [1.40829679e + 115.75433098e + 104.59479342e + 001.22196463e - 01]Part (ii). $g'(n) = [-3.24975000e + 00 - 4.99750001e - 01 \ 3.60237454e - 01 \ 1.01976045e + 05]$ 1.60214791e+05



