DOMAMHO NE 1 Danuer Mahob Kanareb, JH: 62547, Kype I f(x)= 2x2+10x+80; x=8 Hera  $Q_n \rightarrow l = 2 + 10l + 80 = l = 12l^2 + 10l + 80 - l^2 + 8l = 0$ (=) e2+18l+80=0 (=) l=-10 v l=-8, nometymante zpatygu In an = 2 an + 10 an +80 - an = an + 18 an +80 =  $=(a_{n}+8)(a_{n}+10)$  $\frac{Q_{n+1} - (-10)}{a_n - 8} = \frac{2Q_n^2 + 10a_n + 80 + 10}{a_n - 8} + 10 = \frac{2Q_n^2 + 20Q_n}{Q_n - 8}$  $=\frac{2\Omega_{n}(\Omega_{n}+10)}{\Omega_{n}-8}$  $= \frac{2\alpha n^2 + 10\alpha n + 80}{\alpha n - 8} + 8 = \frac{2\alpha n^2 + 18\alpha n + 16}{\alpha n - 8} = \frac{2\alpha n^2 + 18\alpha n + 16}{\alpha n - 8}$  $=2\left( \alpha_{n+1}\right) \left( \alpha_{n}+8\right)$ an-8

In 
$$\alpha_1 = \lambda + (-\infty_1 - 10)$$
 $\alpha_{n+1} - \alpha_n < 0$ 
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 $\alpha_{n+1} - (-10) < 0 \Leftrightarrow \alpha_{n+1} < -10$ 

In  $\alpha_1 = \lambda = -10 = \alpha_2 = |0| \Rightarrow \alpha_3 = -10$ ...

In  $\alpha_1 = \lambda + (-10) > 0 \Leftrightarrow \alpha_{n+1} > -10$ 

In  $\alpha_1 = \lambda + (-10) > 0 \Leftrightarrow \alpha_{n+1} > -10$ 
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VIII ch. 
$$a_1 = \pi = 0 \Rightarrow a_2 = -10$$
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