

$$\lambda \rightarrow -\mu^+ \rightarrow \lambda > -\mu \rightarrow -\lambda < \mu \rightarrow \mu < \lambda \rightarrow \frac{\mu - \lambda}{\mu} < \mu \rightarrow \left[\frac{\mu - \lambda}{\mu} \right] = 1$$

$$\downarrow$$

$$\lambda < \lambda + \mu > 0 \rightarrow \left[\frac{\lambda + \mu}{\mu} \right] = 0$$

$$\rightarrow \mu + \alpha = 0 \Rightarrow \mu$$

$$\lambda \rightarrow -\mu^- \rightarrow \lambda < -\mu \rightarrow -\lambda > \mu \rightarrow \frac{\mu - \lambda}{\mu} > \mu \rightarrow \left[\frac{\mu - \lambda}{\mu} \right] = \mu \rightarrow \left\{ \begin{array}{l} \rightarrow \mu - a \\ = \mu - a \end{array} \right.$$

$$\downarrow$$

$$\frac{\lambda + \mu}{\mu} < 0 \rightarrow \left[\frac{\lambda + \mu}{\mu} \right] = -1$$

$$\mu - a = \mu \rightarrow a = \mu \rightarrow \left[\frac{\mu}{\mu} \right] = 0$$

$$\lambda < \frac{\pi}{4} \rightarrow \sin \lambda < \frac{1}{\mu} \rightarrow \mu \sin \lambda - 1 < 0 \rightarrow \left[\mu \sin \lambda - 1 \right] = -1$$

$$\lambda \rightarrow -\frac{1}{\mu} \rightarrow \left[\lambda \times \frac{1}{\mu} + \frac{1}{\mu} \right] = \left[\frac{1}{\mu} \right] = 0$$

$$\lambda < -\frac{1}{\mu} \rightarrow \lambda > \frac{1}{\mu} \rightarrow \frac{1}{\lambda \mu} < \mu \rightarrow \frac{\mu}{\lambda \mu} < \mu \rightarrow \left[\frac{\mu}{\lambda \mu} \right] = 1$$

$$\text{صور} \rightarrow 10(-\frac{1}{\mu}) - \omega + 11 = 1$$

$$\lambda < -\frac{1}{\mu} \rightarrow \lambda > \frac{1}{\mu} \rightarrow \frac{\mu}{\lambda \mu} < \lambda \rightarrow \frac{-\mu}{\lambda \mu} < -\lambda \rightarrow \left[\frac{-\mu}{\lambda \mu} \right] = -\lambda$$

$$14(-\frac{1}{\mu}) - (-\lambda) = 0 \rightarrow 14\lambda - (-\lambda) = 14\lambda + \lambda$$

$$14\lambda - (-\lambda) = 14\lambda + \lambda$$

$$\lambda < -\frac{1}{\mu} \rightarrow 14\lambda < -\lambda \rightarrow 14\lambda + \lambda < 0$$

$$\rightarrow \frac{1}{0^-} = -\infty$$

$$\frac{\sin^2 \pi \lambda}{1 + \cos^2 \pi \lambda} \times \frac{1 - \cos^2 \pi \lambda}{1 - \cos^2 \pi \lambda} = 1 - \cos^2 \pi \lambda = 1 - (-1) = 2$$

$$\frac{1 - \cos^2 \pi \lambda}{1 - \cos^2 \pi \lambda} = \sin^2 \pi \lambda$$

$$\frac{\sqrt{\mu \lambda + \mu} - \sqrt{\mu \lambda + \mu}}{1 + \mu \sqrt{\lambda}} \times \frac{\sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu}}{\sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu}} \times \frac{1 - \sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu}}{1 - \sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu}}$$

$$= \frac{-(1 + \lambda)(1 - \sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu})}{(1 + \lambda)(\sqrt{\mu \lambda + \mu} + \sqrt{\mu \lambda + \mu})} = \frac{-(1 + 1 + 1)}{(1 + 1)} = -\frac{3}{2}$$

$$\frac{\mu_n + \omega - \sqrt{\mu_n}}{\mu_n - \sqrt{\mu_n + 1}} \times \frac{\mu_n + \omega + \sqrt{\mu_n}}{\mu_n + \omega + \sqrt{\mu_n}} \times \frac{\mu_n + \sqrt{\mu_n + 1}}{\mu_n + \sqrt{\mu_n + 1}}$$

$$= \frac{(\mu_n - 1)(\mu_n - \frac{\mu_n}{\omega})}{(\mu_n - \sqrt{\mu_n + 1})(\mu_n + \sqrt{\mu_n + 1})} = \frac{(-\frac{\mu_n}{\omega})(\omega)}{\frac{(\mu_n^2 - \mu_n - 1)}{(\mu_n - 1)(\mu_n + \frac{1}{\omega})}} = -\frac{1}{\omega}$$

فرض $\frac{b}{\sqrt{bx+c}} = \frac{1}{\omega}$ $\mu\sqrt{c} = \omega b \rightarrow b = \frac{\sqrt{c}}{\omega}$

چون در $m \rightarrow 0$ فردا پس $m=0$ را به صورت هم هست

~~$\frac{b}{\sqrt{bx+c}}$~~ $a + \sqrt{c} = 0 \rightarrow a = -\sqrt{c}$ $\frac{-\sqrt{c} \times \sqrt{c}}{c} = -\frac{1}{\omega}$

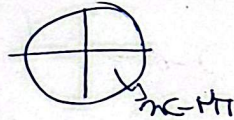
$\omega - \mu\pi \rightarrow \frac{\mu}{\pi} - \mu$ صورت $\rightarrow \omega - \mu\pi$



$\frac{\omega - \mu\pi}{0^+} = +\infty$

$\omega - \mu\pi > 0 \rightarrow \mu\pi < \omega$

$\omega - \mu\pi \rightarrow \frac{\mu}{\pi} - \mu$ صورت $\rightarrow \omega - \mu\pi$



$\frac{\omega - \mu\pi}{0^-} = +\infty$

$\omega - \mu\pi < 0 \rightarrow \mu\pi > \omega$

$\frac{\omega - \mu\pi}{\omega} < \mu \rightarrow \frac{\omega - \mu\pi}{\omega} - \mu$

$[-\mu] = -\mu$

فرض $b \times (\frac{1}{\omega} - \frac{\mu}{\pi})$

$\frac{\frac{b \times (\frac{1}{\omega} - \frac{\mu}{\pi})}{\sqrt{\mu + \mu}}}{a} = \frac{\frac{b \times \frac{1}{\omega} \times (\mu\pi) - \mu}{\sqrt{\mu + \mu}}}{\frac{b}{\omega}} = \frac{\frac{1}{\omega} \times \frac{1}{\omega} \times \mu \times \pi}{\frac{1}{\omega}} = \frac{1}{4}$

چون در $m \rightarrow \infty$ حد غیر صفر دارد با توجه به صفر بودن صورت وخرج هم به ازای $m = \infty$

$\omega a - b = 0 \rightarrow \omega a = b$

صفر است