

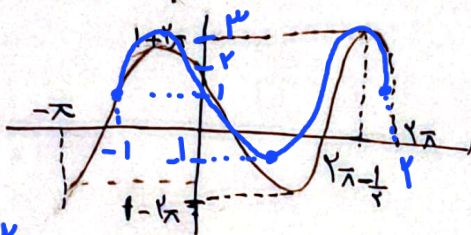
$\omega t) - \sin \gamma n + \gamma \quad (-\pi + \pi)$
 $\min = 1 \quad \max = \gamma$
 $T = \frac{\gamma \pi}{\gamma} = \pi$



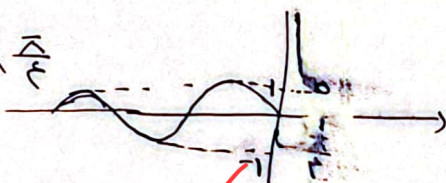
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$\gamma \pi \cos(\gamma n + \frac{1}{\gamma}) + 1$
 $\max = 1 + \gamma \pi$
 $\min = 1 - \gamma \pi$
 $T = \gamma \pi$



$\cot n \quad \gamma n < \frac{\pi}{\gamma}$
 $\sin n \quad n \leq 0$



$\gamma n \Rightarrow [-1, +\infty)$

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$a + b \sin(Cn) \cos(Cn) \cos(Ecn) = a + \frac{b}{E} \sin(Ecn)$
 $\frac{\frac{1}{E} \sin(Ecn)}{\frac{1}{E} \sin(Ecn)} = \frac{\frac{\gamma \pi}{\omega}}{\frac{1}{\omega}} = \frac{\gamma \pi}{|\gamma C|} \Rightarrow C = \frac{\omega}{\gamma}$

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$cb > 0$
 $b > 0$

$a + \left| \frac{b}{E} \right| = \gamma \quad a = \gamma \quad \frac{bc}{a} = \frac{1}{\gamma} = \omega$
 $a - \left| \frac{b}{E} \right| = 0 \quad b = 1$

$a \cos(bn) + c$

$a < 0$

$\Rightarrow -\gamma \cos(\gamma n) = 1$

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$|a| + c = \gamma$

$c - a = \gamma$

$c = -1$

$\pi = \frac{\gamma \pi}{|b|} \Rightarrow b = \gamma$

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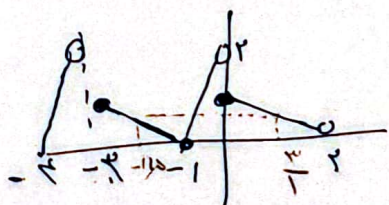
$-|a| + c = -\gamma$

$c + a = -\gamma$

$a = -\gamma$

$-\gamma \cos(\gamma n) - 1 = 0 \Rightarrow \cos(\gamma n) = -\frac{1}{\gamma}$
 $1 + \tan^2(\gamma n) = 9 \Rightarrow |\tan(\gamma n)| = \gamma \sqrt{5}$

$f(-\gamma t, \omega) = f(-1, \omega - \frac{\gamma \gamma}{\omega T}) = f(-1, \omega)$



$f(-1, \omega) = \frac{1}{\gamma}$

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