



$T = N \cdot \bar{T} \Rightarrow 10 = 5 \cdot \bar{T} \Rightarrow \bar{T} = 2 \text{ sec}$

$f_r = \frac{1}{T_r} = \frac{1}{10} = 0,1 \text{ Hz}$
 $f_r = |f_1 - f_2| \xrightarrow{T_2 > T_1} f_r = f_1 - f_2 \Rightarrow f_1 - f_2 = 0,1 \quad (1)$

$\bar{f} = \frac{1}{\bar{T}} = \frac{1}{2} = 0,5 \text{ Hz}$
 $\bar{f} = \frac{f_1 + f_2}{2} \Rightarrow 0,5 = \frac{f_1 + f_2}{2} \Rightarrow f_1 + f_2 = 1 \quad (2)$

$\omega = \frac{\omega_1 + \omega_2}{2} \Rightarrow 2\bar{\omega} = \frac{2\pi f_1 + 2\pi f_2}{2} \Rightarrow \bar{\omega} = \frac{\omega_1 + \omega_2}{2}$

(1): $f_1 = 0,1 + f_2$
 $\downarrow (2)$
 $0,1 + f_2 + f_2 = 1$
 $2f_2 = 0,9$
 $f_2 = 0,45 \text{ Hz}$

$f_1 = 0,1 + 0,45 \Rightarrow f_1 = 0,55 \text{ Hz}$

$T_1 = \frac{1}{f_1} = \frac{1}{0,55} = \frac{1}{\frac{55}{100}} = \frac{100}{55} = \frac{20}{11} \Rightarrow T_1 = \frac{20}{11} \text{ sec}$

$T_2 = \frac{1}{f_2} = \frac{1}{0,45} = \frac{1}{\frac{45}{100}} = \frac{100}{45} = \frac{20}{9} \Rightarrow T_2 = \frac{20}{9} \text{ sec}$

Αόραση
 $\Delta \kappa \alpha \nu \omega \nu - 1: f_1 = 404 \text{ Hz}$
 $\Delta \kappa \alpha \nu \omega \nu - 2: f_2 = ?$

δύο 72 δίο δικάνων
 συνάκουσ
 3 φορές από και sec.
 1 sec
 3 Tr
 $T_r = \frac{1}{3} \text{ sec} \Rightarrow f_r = 3 \text{ Hz}$

$f_r = |f_1 - f_2| \Rightarrow$

$\rightarrow 3 = |404 - f_2| \Rightarrow$

$f_1 > f_2$

$3 = 404 - f_2$
 $f_2 = 404 - 3$
 $f_2 = 401 \text{ Hz}$

$3 = 404 - 401$
 αν πρωτό 401
 τότε 20 3 22
αποδοχή X

$f_1 < f_2$

$3 = f_2 - 404$
 $404 + 3 = f_2$
 $f_2 = 407 \text{ Hz}$

$3 = 407 - 404$
 αν πρωτό 407
 τότε 20 3 22
αποδοχή ✓
 → επιλογή

από δέξι λίγα είναι

$f_2 = 407 \text{ Hz}$

$f_r = f_1 - f_2$
 $f_r' = f_1 - f_2'$
 αφού $f_2' < f_2$ άρα:
 $f_r' > f_r$
 ΑΤΟΠΟ

$f_r = f_2 - f_1$
 $f_r' = f_2' - f_1$
 αφού $f_2' < f_2$ άρα:
 $f_r' < f_r$ (επιλογή)
 ΑΚΕΤΗ