```
H(f):

| (10π) | (10π
        #2
                                                                                                                                                                                                                                                                                      other
   Complete 3e -310 nf 416 × 191 × 404 × 3e -310 nf 416 × 191 × 424 5 3e 436 × 191 × 440 5
                X, (E): 4000 Sinc (4000t) GS (20000 Tt) (F) X, (f) = 1 T ( + 10000 )
               X2(t)= 400 Sinc 2(2000t) @8(2000t) = X2(f) = 10 ( f ± 10000)
                                                                                                                                                                                                                                                          \begin{cases} x_{i}(t) \longrightarrow X \longrightarrow T \longrightarrow x_{g}(t) \cap x_{i}(t) \otimes w_{i}t \\ x_{2}(t) \longrightarrow X \longrightarrow T \longrightarrow x_{g}(t) \cap x_{g}(t) \otimes w_{i}t \\ x_{i}(t) \longrightarrow X \longrightarrow T \longrightarrow x_{g}(t) \cap x_{g}(t) \otimes w_{i}t \end{cases}
  W1: 2nf, fiction 2.(L) cos (2n408t)
W2 = 22 f2 (22 × 22 (21. 412 × 1)
                                                                                                                                                                                                                                                                                                                    => Z.(t): X,(t)+ X2(t)
                                                                                                                                                                                                                                                                             418 420 418 422 t
                                                                                                                                                                          1122
                                                                                                    -422
                                                                                                                                                                         -418
```

=> Z(t) = x(t) as (2π.408t) + x2(t) as (2π.412t)

Z(t): x(t) as (816πt) + x2(t) as (824πt)

 $Z_{2(t)} = 3Z_{1}(t-5) = 3x_{1}(t-5). \omega_{3}(816\pi(t-5)) + x_{2}(t-5). \omega_{3}(824(t-5))$ $= 3x_{1}(t_{3}-5) \omega_{3}(816^{16}\pi t) + x_{2}(t-5) \omega_{3}(824\pi t)$

