```
·Taller 11
1. \tilde{\chi} = 1,25 \Delta \tilde{\chi} = 0,05
 f(x) = 1,1 x^{4} - 2,2 x^{3} + 0,7 x^{2} - 2x + 2
   F'(x) = 4\mu x^3 - 6,6x^2 + 1,4x - 2
    F(\tilde{x}) = F(1,25) = -1,017578725 \rightarrow valor aprox.
    \Delta F(\tilde{\chi}) = 14,4(1,25)^3 + 6,6(1,25)^2 + 1,4(1,25) + 21 \times 0,05 = 0,0984375
       F(X) E[F(X)- DF(X), F(X) + DF(X)]
       F(x) & [-1,116016, -0,919140]
2. \tilde{\chi} = \frac{\pi}{3} \Delta \tilde{\chi} = 0,005
 f(x) = \cos x \cdot \ln 2x
     FI(X) = COSX _ Sen X . In 2X
    F(X) = F(1/3) = 0,3696323889 → valor aprox.
    \Delta F(\tilde{x}) = \frac{\cos(\frac{\pi}{3})}{\pi} - \frac{\sin(\frac{\pi}{3})}{\sin(\frac{\pi}{3})} \cdot \ln(2^{\frac{\pi}{3}}) \times 0,005
            = 0,000 8137 86 242 -> Error afrax.
    f(x) \in [f(\tilde{x}) - \Delta f(\tilde{x}), f(\tilde{x}) + \Delta f(\tilde{x})]
     f(x) & [0,3688186027, 0,3704461751]
```