```
ASSIGNMENT I: work for defining rutime functions
 p = \frac{T'(n_2) - T'(n_1)}{n_2 - n_1} \quad \uparrow \quad C = 2^{-n_1 p + T'(n_1)}
TA(n): (9.96578, 6.9728) $ (10.2288, 7.53138)
     p = 7.63138 - 6.9728 C.55858 - 2.123716828
        10.2288 - 9.96578 0.26302
     (= 2 (-9.96578)(2.1237.) + (6 9728) = 2 (-21.1644.) + (6.9728) = -14.1916... = 5.344095482×10-5
   TA(N) = (6.344095 x10-5) N2.123716828
TB(n): (9.96578, 11.2137) 5 (10.2288, 11.8427)
   p = 11.8427-11.2137 G. 629 2.391463121
10.2288-9.96578 C.26302
   (=2 (-9,96578)(2.391453121)+(11.2137) = (-23.8326...)+(11.2137) = -12.618... = 1.589658312×10-4
  TB(n) = (1.58965 × 10-4) n 2.391453121
Ti(n) (9.96578, 5.32193) (10.2289, 5.86798)
   p= 5.85798-5.32193 0.53605 2.0380579412.
    (= 2^{(-9.96578)(2.0380...) + (5.32193)} = 2^{(-20.3108...) + (5.32193)} = 2^{-14.9889...} = 3.075313302 \times 10^{-5} 
   T((n) = (3.076313×10-5) n2.038057942
how long each would run w/ an input of n=106:
TA(10°) = (5.344095 ×10°) (10°)2.123716 = 295, 236,582,706 ms = 4920,6097 minutes
TR (106) = (1.589658×10-4) (106)2.391453 = 35,483,711 1831 ms = 591,385.1972 minutes
 T, (10°)= (3.075313×10-5)(10°) 2.038057 = 52,027, 304. 275 ms = 867.1217 minutes
```