```
u_{v+1} = u_v + \sqrt{V_f} (t_v + t_{v+1})
   mn+1 - At F m + At Fn
                                                                                                                      f(x) = f(n+1)
\frac{1}{2} \frac{1}
       Si f es lucal - F= ATV (mateux par veclose)
                                         Tn+1 = Tn + At (AT m+1 + AT "
                                   \left(I - \frac{\Delta t}{2}A\right) V^{n+1} = \left(I + \frac{\Delta t}{2}A\right) V^{n}
                                                         T^{n+1} = (I - \Delta t A)^{-1} \cdot (I + \Delta t A) T^{n}
Legoreans a un Euler.
                             Pora este caso que F es no liveal:
          V = overay ( zeros [ 4, N])
           V[:, 0] = amay( [...])
                   a= V[:,n]
               def G(x):
                                                                                                                                                                                                                                    Seria la F Kepler
                                                                      xetwer x - a - \frac{dt}{2}. (f(a) + f(b)) n+1.
              fox n in range (1, N-1):
```

U[:,n+1] = Newton ( func = G, x\_0=U[:,n]) Scipy. optimize. newton

