april 1 to model mediate some. - Green + June = - Cimen 2 (ame - GME)= V2 ame 1 - 200 AV, = 1 GM (200 -1) J= n for he could stock

Simboly $\Delta V_2 = \left[\frac{GM}{\pi} \left(- \frac{287}{34\pi} \right) \right]$

> to leave the eleptical oshif at on to the or undor osbit

Av =
$$Av_{+}$$
 Av_{+} Av_{+

DV = Jam (2-98) ×100

20 AV | 98 a reposed Av Leo ve from hohmann transfer to years yord assist

(Fg)s + (Pg) = Fourthfigel

for segion
$$\frac{GMS}{(2+\pi)^2} + \frac{GMe}{(2-\pi)^2} = \frac{G(ME+MS)}{R^3} \chi$$

$$\frac{(3+\pi)^2}{GMS(\chi-\pi)^2} + \frac{Gme}{Gme}(\chi+\pi)^2 = \frac{G(ME+MS)}{R^3} \chi$$

\$ MS(x-82)2 P3+ Me(x+31)2 P3= (Queens)4

3

Checking for 4 = 1-515×1011 km LI Roheher egn D Mon for la (M-N)2 & GME = GMEMPERM MS (Nem 2 p3 + Mp (N m)2 p3 = (mseme) on goling negel $\chi = \left(\left[- \left(\frac{m E/ms}{3} \right)^{\frac{1}{3}} \right) | 2 L_{1} = \left[- \frac{u e x io^{\frac{1}{3}} b ms}{3} \right]$ 22 salishes egma GMS - GME = GIMS-errelm -Similarly forto 13 = -1,5000 187x1011 132 (-P[1+ 5m2],0)

Trus 1 Money Vp 15100 Vp 15100

Empely VPJ spoints on another direction but water when it comes in Jerge of Japotee Its Grandy changes its speed as well as direction

To hore me can apply monentum conservation by setchese and Typitel and also every conservation

Vnew = Upgine Voli = 16 pry