Kepler Fack Kf1 12/19/22 5× (3+ m=0) expand: 7x1+ 437x1 = 0 elemenate: $\vec{r} \times \vec{r} = 0 \Rightarrow \vec{r} \times \vec{r} = 0$ recognize: dx(7x7) = 7x7 + 7x7 = 7x7=> $\frac{1}{2}\left(\frac{1}{2}\times\frac{1}{2}\right)=0$ => $\frac{1}{2}\times\frac{1}{2}=\frac{1}{2}$ 3 conserved guaratety