$\tilde{R} = \frac{m_1 \tilde{r_1} + m_2 \tilde{r_2}}{m_1 + m_2}$   $\tilde{D} = \tilde{r_1} - \tilde{r_2}$  $\tilde{R} = \frac{m_1 \tilde{r_1} + m_2 (\tilde{r_1} - \tilde{p})}{m_1 + m_2}$ r, (m, -m) = R(m, +m) + m, p 1. = R + m. p  $\vec{r}_1 = \vec{k} - \frac{m_1}{m_1 + m_2} \vec{p}$ Pi- P + m p 1 = R - m. 5 L= 1/2 (R+ 2m2 R) + (m2m) 2 = 2 / R = 2m2 R) + 2 (R = 10, + m, R) +  $+\left(\frac{m_{1}}{m_{1}+m_{2}}\right)^{2}\tilde{\beta}^{2}$  -  $e, \psi, -e, \psi, -\frac{e, \psi_{2}}{1.01}$ No-spannuar L(P,D) 27 raparuspos

$$\begin{array}{lll}
N^{4} \\
D & J = m[rV] - \frac{eq}{cr}\vec{r} \\
dJ & m[l] + m[rl] - \frac{eq}{cr}\vec{r} \\
ml & = \frac{e}{e}[l]B]|_{example large larg$$