24. Aufactbe MAN REDECTION REDECTION RESERVED RESERV V= = 292 (x1-x21 + (x3 - x7) ] -L=T-V 2 2 1 1 2 2 2 1 1 2 mx2 2 1 2 mx2 1 = 1 M(x2 + x3) + 2 mx2 - 2 k [(x1-x2) + (x3-x2)]  $= \frac{1}{2} \left( \frac{1}{2} + \frac{2}{1} + \frac{2}{1} + \frac{1}{2} + \frac{2}{1} + \frac$ de pi = 34 = mii = 7 si = pi H = 5 x2 p2 - L = 2M (P1 +P3) + 2m P2 + 2 A [(X3 - X2) 7 (V3 - X2) ]  $\hat{P}_{c} = -\frac{\partial H}{\partial x_{i}} \circ \hat{P}_{1} = -\frac{1}{2} (x_{1} - x_{2})$ P2 = +2[(x1-x21+(x3-x21) = + kx, + 2x3 - 2 2x2 = +k[x,-2x4+x3] P3 = - /2 (1/3-1/2) Xi = 3pi & X1 = m i X2 = m j X3 = m Bejeigne Xi : The latter materials and cintarle direct die lagrangepleilig when Bereine Xi:  $\frac{2}{\lambda_1} = \frac{p_1}{m} = -\frac{p}{m} \left( \frac{1}{\lambda_1 - \frac{1}{\lambda_2}} \right)$  $\dot{x}_2 = \frac{\dot{p}_2}{m} = + \frac{2}{m} (\dot{x}_1 - 2\dot{y}_2 + \dot{x}_3)$ (X) = 13 = - 1 (X) - X2