b) Es wind verein fachend angenommen, dass m, = m2 = m ; l= l2 = l X = lsing x = lsing+ lcin p 4= 1008pm 4= 1008pm+1008pm = cos(p, q) L=T-V = m12 (2 cp + p2 + 2 cp cp (cos p, cos p, + sin q, sin q2) + mgl (2cosp, +cosp, -3) kanndwich kanonische Eil-trato vernach leissig c) [ ] [ = p = m (2 (2 \dop, + cos(\pa, - \pa\_2) \dop) ~ In ans I: & = P1 - 22 cos (2- 22) Tai ans II: 92 = P2 - \$\varphi\_1 \cos(\varphi\_1 - \varphi\_2) aus Ia in Du und Jain Ia: P1 = - P2 cos (P1 - P2) + P1 2 m (2 (2 - cos2 (91-92)) 92 = 2 P2 - P1005(Q1-Q2)