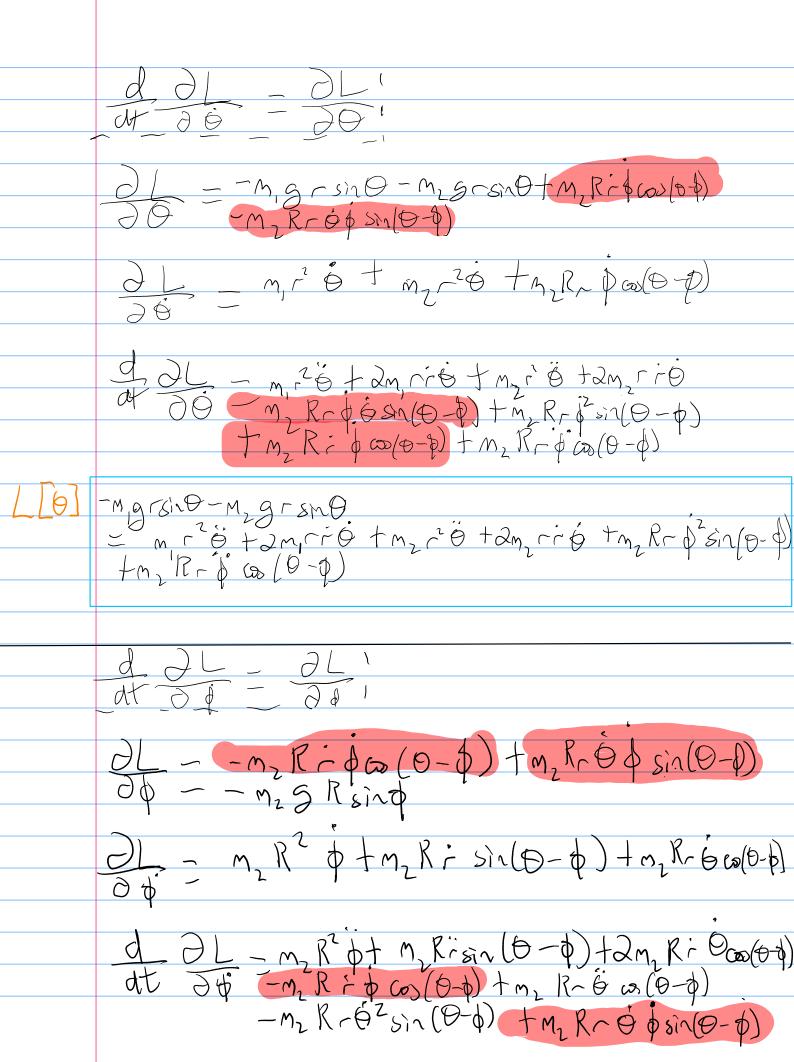


L= = 1, [2+262] + Mgraso - 2 k2+ krLo - 2 KLo2 + 2m, [-2+262+R262+2R; \$sn(0-4)+2R6\$66(04) - M29 (-1000 - R004) L = 2m, 12+2m, 202 + m, growb - 1 kr2+ KrLo-2 KLo2 + 2m2 + 2m, 202 + 1 m2 R2 + m2 R + 6 sm (0-4) + MzRrosos(Op) + Mzgraso + Mzg Roso dolong OL - m ÓZr + m 62r + m gaso + OL - m, r + Mz r + Mz R \$ sin (0-\$) $\frac{d}{dt} \frac{\partial L}{\partial r} = -m_{x} R \partial^{2} \cos(\theta - \phi) + m_{x} R \partial^{2} \sin(\theta - \phi) + m_{x} R \partial^{2} \cos(\theta - \phi)$ m, O r+m, O r+m, S cont + M2 g cos O - R(r-lo) = m, r + m, r + m, r + sin(0-+) -m, r + 2 cos (0-+)



	Theo.
<u>[þ]</u>	-m2 Right +m2 Risin (0-0) +2m2 Rio (0-6) +m2 Rio (0-0) -m2 Rio (0-0) =-m2 gRsin 6
Ar: Ao; A;	The idea Jon hore is to get (i, 0, 0). We we his to get (i, 0, 0), then (r, 0, 0) and hence (a, 15, 12, 2) iteratively. I think the eariest was to do this is by shring a not inx; first reasonse all L[2] to make is the subject. The BAIS for all L[2]: (O'rtgood)(n, tm2) - KrtkLo + M2Rp (o)(0-p) -grsin O (m, tm2) - m2Rr p sin(0-p) -2rio (m, tm2) -2 m2 Rr O (o)(0-p) + m2Rr O sin(0-p) - m2 g Rsin p.
Jan LI Jan LI	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$