## Things

$$\cdot \frac{I_{1}\left(\frac{\partial}{\partial t}q_{1}\left(t\right)\right)^{2}}{2}+\frac{I_{2}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)\right)^{2}}{2}+\frac{I_{3}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}-g\,m_{3}\left(L_{1}+\frac{L_{2}\,\sin\left(q_{2}\left(t\right)\right)}{2}+\frac{L_{3}\,\sin\left(q_{2}\left(t\right)+q_{3}\left(t\right)\right)}{2}\right)-\frac{1}{2}\left(\frac{\partial}{\partial t}q_{1}\left(t\right)\right)^{2}}{2}+\frac{I_{3}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}+\frac{I_{4}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}+\frac{I_{5}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}+\frac{I_{5}\left(\frac{\partial}{\partial t}q_{2}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}+\frac{I_{5}\left(\frac{\partial}{\partial t}q_{3}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)+\frac{\partial}{\partial t}q_{3}\left(t\right)\right)^{2}}{2}+\frac{I_{5}\left(\frac{\partial}{\partial t}q_{3}\left(t\right)+\frac{\partial}{\partial t}$$