## **Class Exercise #12**

## 1.050 Solid Mechanics

**Fall 2004** 

A *rigid* beam is pinned at the left end and supported by two cables as shown. It can rotate freely about the pin at 0.

Let  $\delta_{1}$  be the deformation (extension) of cable 1 and  $\delta_{2}$  that of cable 2.

Develop a compatibility condition relating these two measures of deformation.

