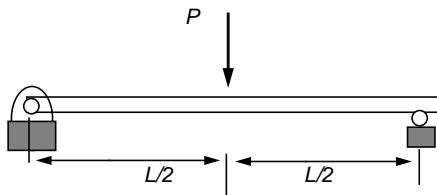


**Class Exercise #22**  
**1.050 Solid Mechanics Fall 2004**

The midspan displacement for a simply supported beam with a concentrated load at mid span is:

$$\Delta_p = PL^3/(48EI)$$



The midspan displacement for a uniformly loaded beam is in a sheet appended to the Problem Set.

Find the reactions at the three supports for the uniformly loaded beam shown at the right.

