

Chapter 2: 1, 2, 5 : deadline Friday (09/15)

**Problem 4**

Three uniform rods  $AB$ ,  $BC$ ,  $CD$ , each of mass  $m$  and length  $2b$ , are smoothly hinged at  $B$  and  $C$ . This system is suspended from end  $A$ . A horizontal force  $F$  is applied at the other end,  $D$ . Find the equilibrium configuration. (See [solved problems](#) - or copy and paste:

<http://physics.clarku.edu/courses/201/sreading/D%60Alembert.pdf> )