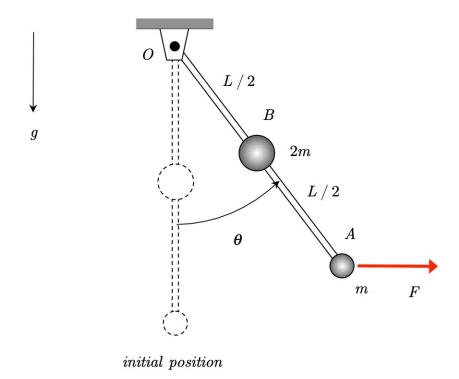
Homework H.4.J

Given: Particles A and B (having masses of m and 2m, respectively) are attached to a lightweight rigid bar as shown in the figure. A constant horizontal force F acts on particle A. At the initial state of $\theta = 0^{\circ}$, the system is at rest.

Find: Determine the angular speed of the bar as a function of θ and in terms of the parameters of the problem.



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