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The small and large pistons of a hydraulic press have areas of 2 $\rm cm^2$ and 4 $\rm cm^2$. If the load on the large piston in 3200 N, what is the input force (effort) that must be applied on the small piston?

Hydraulic Press Calculation Practice

Suppose a force of 100 N is applied to a piston with a cross sectional area of .0005 m². What would be the force out (F_2) if the size of the piston out was .01m²?