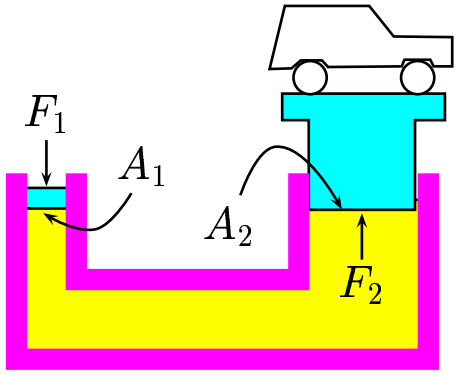
Consider the hydraulic lift shown in the sketch. A force F_1 is applied to the small piston which gives rise to a force F_2 at the large piston. The cross section areas of the two pistons are A_1 and A_2 respectively where $\frac{A_1}{A_2} = 100$.



Compare the pressures $P_1 = \frac{F_1}{A_1}$ and $P_2 = \frac{F_2}{A_2}$.

A) $P_1 < P_2$.
B) $P_1 = P_2$.
C) $P_1 > P_2$.

According to Pascal's law $P_1 = P_2$.
Answer **B**