

# Ponderable

Suppose you stand on a spring scale in six identical elevators. Each elevator moves as shown below. Let the reading of the scale in elevator  $n$  be  $S_n$ . Rank in order, from largest to smallest, the six scale readings  $S_1$  to  $S_6$ . Some may be equal. Give your answer in the form  $A > B = C > D$ .

