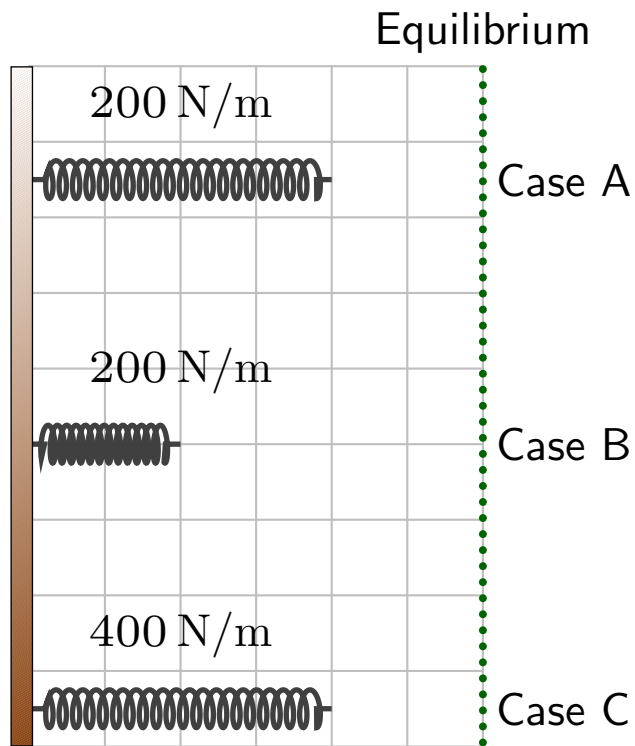


Question 1

Various springs, with spring constants indicated, are held compressed from their equilibrium (relaxed) positions as illustrated.



The springs uncompress. Which of the following best represents the rank of the works done by the springs from the initial state to their relaxed positions?

1. $W_A = W_B = W_C$
2. $W_A < W_B = W_C$
3. $W_A < W_B < W_C$
4. $W_A < W_C < W_B$