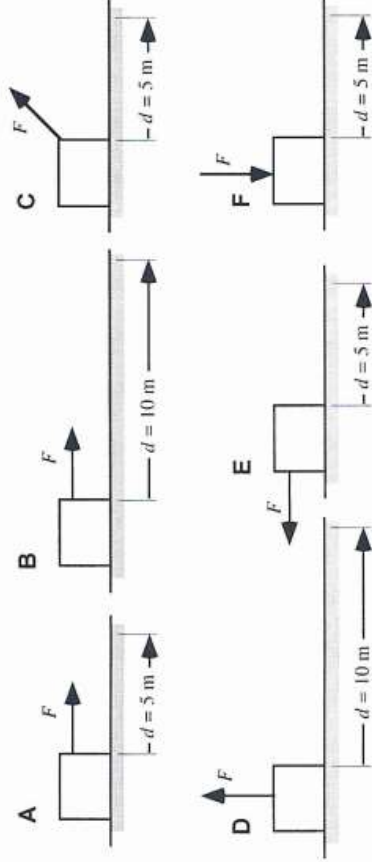


3)

Equal Forces on Boxes—Work Done on Boxes

In the figures below, identical boxes of mass 10 kg are moving at the same initial velocity to the right on a flat surface. The same magnitude force, F , is applied to each box for the distance, d , indicated in the figures.

Rank these situations from greatest to least in order of the work done on the box by F while the box moves the indicated distance to the right.



Greatest 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ Least

Or, all of the boxes experience the same work. _____
Please carefully explain your reasoning.

<https://meet.google.com/oav-ssbt-pjr>

Derin (DONE)

Ashwin

Naval (DONE)

Lee

Justin