

Pulleys

IMA of a single stationary pulley = 1

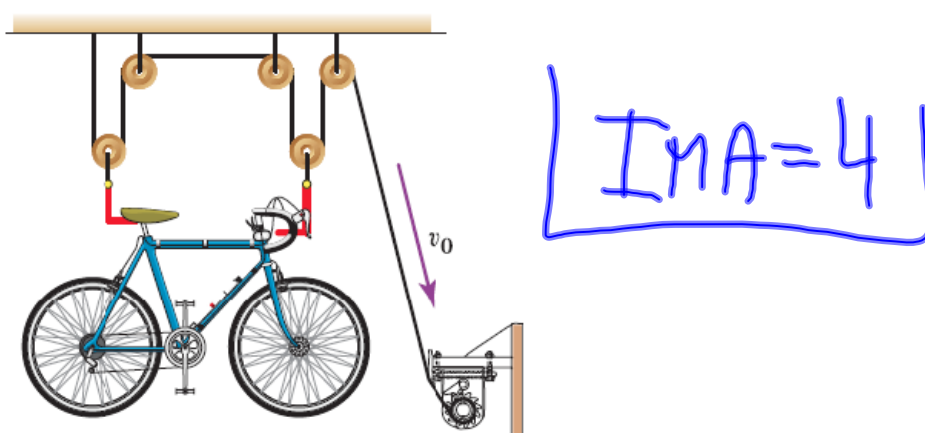
- there is no mechanical advantage.

- the only advantage is in changing direction of the F_{IN} , so the person's body weight could be used to produce F_{IN} .

IMA of a system of pulleys = number of strands attached to the pulley which moves (up & down).

Note: all pulleys rotate but only some move up & down!

Jan 12-2:03 PM



Jan 12-2:09 PM

IMA

A) 1

B) 2

C) 2

D) 3

E) 4

Jan 12-2:10 PM