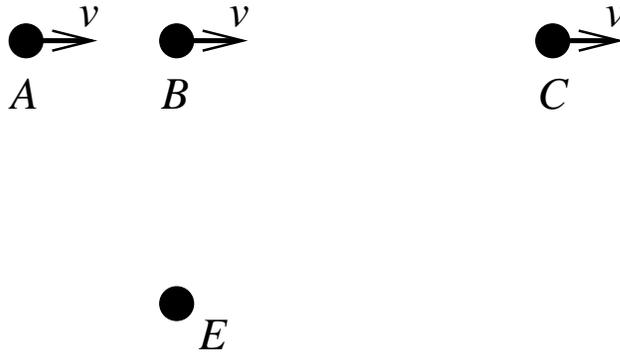


Three spaceships  $A$ ,  $B$ , and  $C$  of equal mass  $m$  pass in review in front of the Emperor's throne at constant velocity  $v$ , as shown.



Rank the angular momentum of each ship about the point  $E$ , from greatest to least.

1.  $A, B, C$
2.  $B, A, C$
3.  $C, A, B$
4. they are all the same (but not zero)
5. they are all zero
6. something else