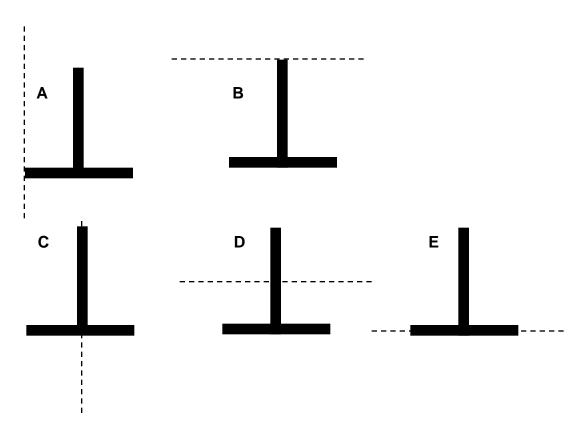
Five T's Rotating About an Axis (top view)—Net Gravitational Torque⁸⁷

Shown below (in a top view with the gravitation force into the page \oplus) are five identical figure **T**'s, which are constructed from two rods of equal lengths and masses. For each figure, a different axis of rotation, which is in the plane of the page, is indicated by the dotted line. The axes are either at the center or one end of a rod.



Rank these T figures according to the magnitudes of the net torque about the indicated axes, from largest to smallest.

Largest 1 ____ 2 ___ 3 ___ 4 ___ 5 ___ Smallest

Or, all these **T** systems have the same magnitude of the net torque. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

Basically Guessed			Sure				Very Sure		
1	2	3	4	5	6	7	8	9	10

⁸⁷ C. Hieggelke