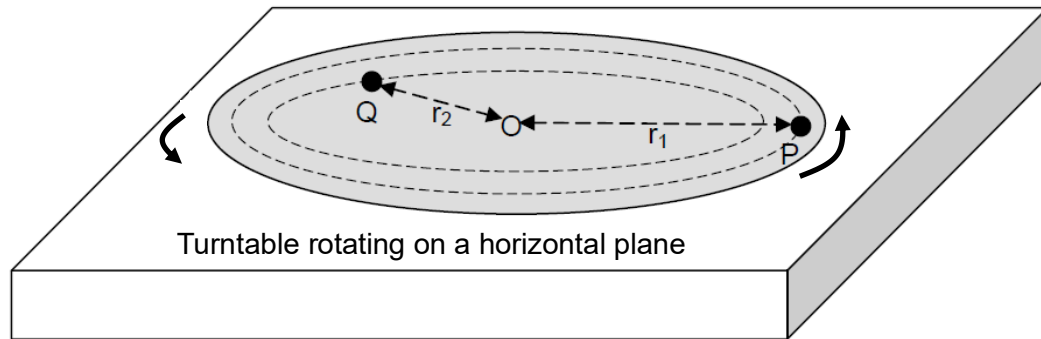


- 9 A turntable consists of a rotating horizontal disc moving at a fixed rotational speed. Two small objects P and Q with the same mass, are placed on the turntable as shown, where P is at a distance r_1 from the centre O and Q is at a distance r_2 from the centre.



Which of the following correctly relates P and Q's linear speeds and their centripetal forces?

	linear speed	centripetal force
A	same for P and Q	greater for Q
B	same for P and Q	greater for P
C	greater for P	greater for Q
D	greater for P	greater for P