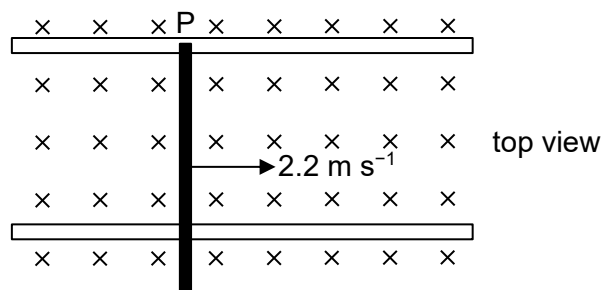24 A conducting rod PQ of length 10 cm is placed on two horizontal, parallel and smooth metal rails as shown below. A uniform magnetic field of flux density 0.54 T is applied perpendicularly to the plane of the rails into paper.

Rod PQ moves at a constant speed of 2.2 m s^{-1}.

Which of the following correctly states the magnitude of the induced e.m.f. and the end of the rod with higher potential?

	magnitude of e.m.f.	end of rod with higher potential
A	0.12 V	P
B	12 V	P
C	0.12 V	Q
D	12 V	Q