2. . A bar of length 2 cm slides along metal rails at a speed of 1 cm/s. The bar and rails are in a magnetic field of 2 T, pointing out of the page. What is the induced emf in the bar and rails?  (A) 2 x10-5 V (B) 2 x10-4 V (C) 4 x10-4 V (D) 2 x10-3 V (E) 4 x 10-3 V