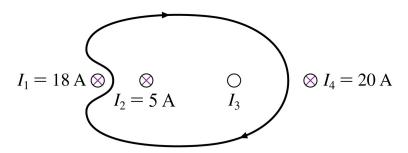
(2^{pts}) **1.** The value of the integral $\oint \vec{B} \cdot d\vec{\ell} = \mu_0 I_{\text{encl}}$ around the closed path in the figure below is 1.01×10^{-5} T m. The four currents in the figure are perpendicular to the page. What are the direction and magnitude of I_3 ?



- (a) 1 A, into the page
- (b) 3 A, into the page
- (c) 5 A, into the page
- (d) 5 A, out of the page
- (e) 3 A, out of the page
- (f) 1 A, out of the page