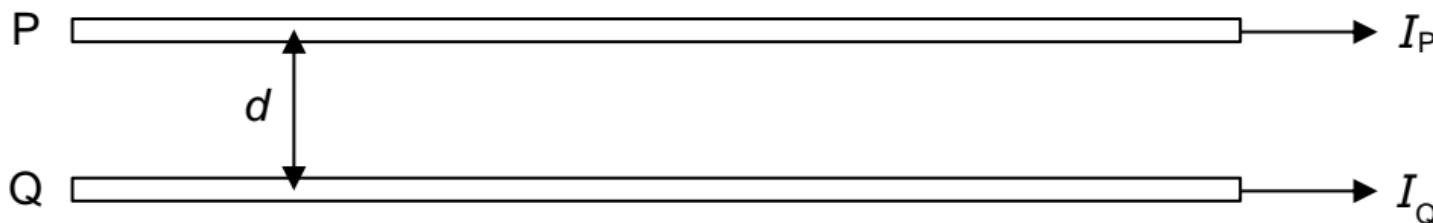


- 23 Two infinitely long, parallel conductors P and Q are carrying currents I_P and I_Q respectively. They are separated by a distance d .



The magnetic force per unit length exerted by P on Q is

A $\frac{\mu_0}{2\pi d} I_P I_Q$ B $\frac{\mu_0}{2\pi d} I_P^2$ C $\frac{\mu_0}{2\pi d} I_Q^2$ D $\frac{\mu_0}{2\pi d} \frac{I_P}{I_Q}$