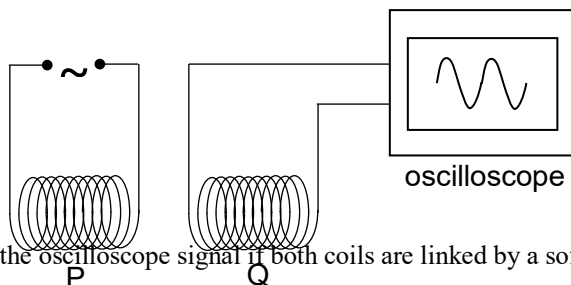


- 23 A coil P is connected to a 50 Hz alternating voltage supply. Another coil Q is placed close to coil P with both coils lying on the same axis. Coil Q is connected to an oscilloscope, which detects a sinusoidal signal on the screen.



What would be the effect on the oscilloscope signal if both coils are linked by a soft iron core?

	amplitude of signal	number of cycles on screen
A	increases	unchanged
B	increases	increases
C	unchanged	unchanged
D	unchanged	increases