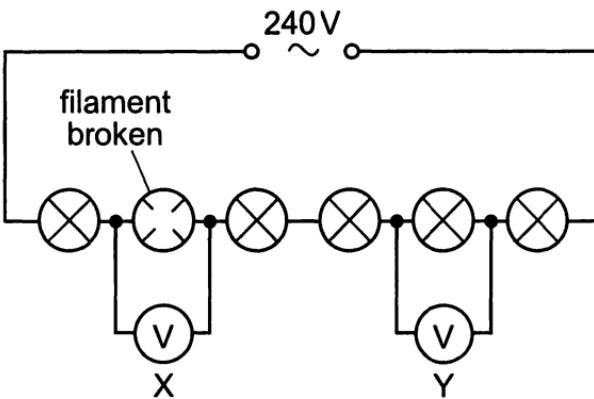


- 24 A mains circuit contains six similar lamps connected in series. One of the lamps has a broken filament. Voltmeters X and Y of infinite resistance are placed in the circuit as shown.



What are the voltmeter readings?

	X reading/V	Y reading/V
A	0	0
B	0	240
C	40	40
D	240	0