A solenoid is producing the same steadily increasing magnetic flux through two circular circuits shown below.

Case A: Two identical bulbs #1 and #2 are in series. Each has a resistance $R$. Their brightnesses (or their electric powers) are the same, i.e. $P_1 = P_2$.

Case B: There is a short $CD$ which is to the right of the center line. We label the respective electric powers of the bulbs by $P'_1$, and $P'_2$.

Compare the power of bulb #1 for the two cases.

A) $P'_1 < P_1$
B) $P'_1 = P_1$
C) $P'_1 > P_1$
For case A, denote $I$ to be the loop current, the loop equation is:

$$\mathcal{E} - 2IR = 0, \text{ or } I = \frac{\mathcal{E}}{2R}.$$  
For case B, label currents through the bulbs by $I'_1$ and $I'_2$, and through the short by $I'$. The loop equations for $C1DC$ and $C2DC$ are:  
$$\mathcal{E}'_1 - I'_1R = 0 \text{ and } \mathcal{E}'_2 - I'_2R = 0$$  respectively. The emf is proportional to area of the enclosed flux. Thus $I'_1 > I > I'_2$, or $P'_1 > P_1$.

Answer C.