14 In a certain process 1, a system is taken from a thermodynamic state X to another thermodynamic state Y.

In process 1,

$$\text{heat supplied to system} = 2800\,\text{kJ}$$

$$\text{work done by system} = 600\,\text{kJ}.$$

Another process 2, takes the system from thermodynamic state Y back to thermodynamic state X.

In process 2,

$$\text{heat supplied to system} = 1000\,\text{kJ}.$$

How much work is done by the system during process 2?

A 1200 kJ   **B** 2400 kJ   **C** 3200 kJ   **D** 4400 kJ