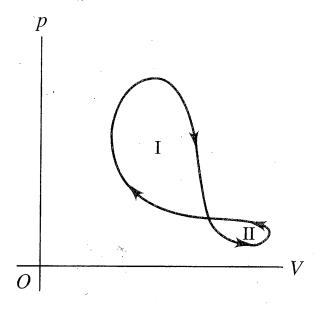
19.17. A thermodynamic system undergoes a cyclic process as shown in Fig. 19.24. The cycle consists of two closed loops: I and II. (a) Over one complete cycle, does the system do positive or negative work? (b) In each of loops I and II, is the net work done by the system positive or negative? (c) Over one complete cycle, does heat flow into or out of the system? (d) In

Figure **19.24** Exercise 19.17.



each of loops I and II, does heat flow into or out of the system?