Energies of two inductors with the same magnetic flux. Two linear inductors of inductances L and $2L$, respectively, have the same magnetic flux, Φ. The magnetic energy stored in the inductor with twice as large inductance is

(A) twice
(B) four times
(C) a half of
(D) a quarter of
(E) the same as

that stored in the other inductor.

Solution: (C)
Answer: (C)