

③ If the Fourier transform of the signal $v(t)$ is ⑤

$$V(\omega) = AT \frac{\sin \omega T}{\omega T}$$

then the energy contained in $v(t)$ is

a) $\frac{A^2}{2}$

b) A^2

c) $A^2 T$

d) $\frac{A^2 T}{2}$