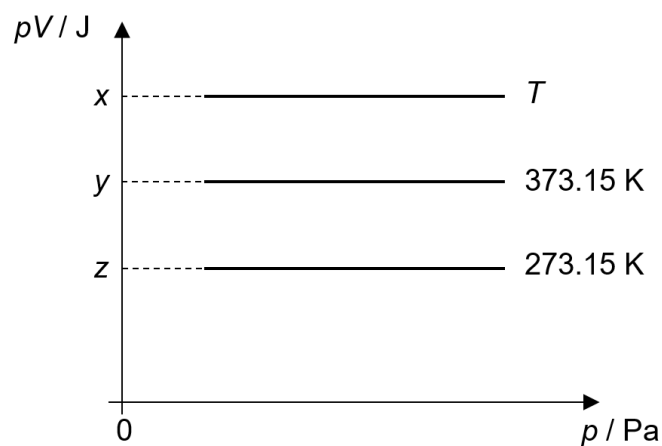**11** A fixed mass of ideal gas has pressure p and volume V. The graph shows the variation of pV with p at three different temperatures: 273.15 K, 373.15 K, and T.

What is the magnitude of the thermodynamic temperature T, in kelvins?

A $273.15\dfrac{x-y}{y-z}$

B $273.15\dfrac{x}{z}$

C $273.15+100\dfrac{x-y}{y-z}$

D $273.15+100\dfrac{x}{z}$