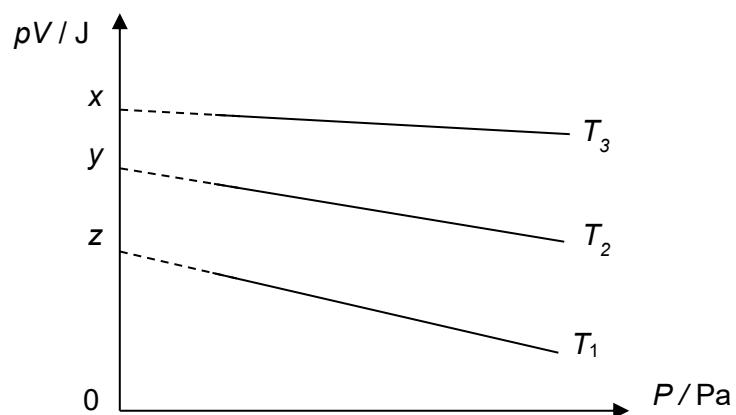


- 10 The given graph shows the isotherms obtained from a sample of real gas. The temperature T_1 is the ice-point (273.15 K) and T_2 is the boiling point of water at standard pressure.



What is the thermodynamic temperature T_3 in kelvin?

- A** $273.15 \frac{(x-y)}{(y-z)}$
B $273.15 \frac{x}{z}$
C $273.15 + 100 \frac{x}{z}$
D $273.15 + 100 \frac{(x-y)}{(y-z)}$