Use the following subroutine in your worksheet for the mean heat capacity calculations to find the Enthalpy.

\[
\tau(T_0, T) := \frac{T}{T_0}
\]

\[
H_2(T_0, T, B) := \frac{B}{2} T_0 \cdot (\tau(T_0, T) + 1)
\]

\[
H_3(T_0, T, C) := \frac{C}{3} T_0 \cdot (\tau(T_0, T)^2 + \tau(T_0, T) + 1)
\]

\[
H_4(T_0, T, D) := \frac{D}{\tau(T_0, T) \cdot T_0^2}
\]

\[
MCPH(T, T_0, A, B, C, D) := A + H_2(T_0, T, B) + H_3(T_0, T, C) + H_4(T_0, T, D)
\]

\[
ICPH(T_0, T, A, B, C, D) := MCPH(T_0, T, A, B, C, D) \cdot (T - T_0)
\]