At what temperatures kelvin and fahrenheit readings have the same numerical value?

Solution:

As:

$$t(fahrenheit) = (t(kelvin) - 273.15) * \frac{9}{5} + 32$$

Let: $temperature = X$,

$$X = (X - 273.15) * \frac{9}{5} + 32$$

Solution of equation is:

$$X = 574{,}5875$$

Answer: $t(fahrenheit) = t(kelvin) = 574{,}5875$