Answer on Question # 43038 – Math – Algebra

(2+1/(3+4/5))/(2+1/(3+1/(1+1/4))) = x then the value of x is

Solution.

$(2 + 1/(3 + 4/5))/(2 + 1/(3 + 1/(1 + 1/4))) = (2 + \frac{1}{3+\frac{4}{5}})/(2 + 1/(3 + \frac{1}{1+\frac{1}{4}})) = (2 + \frac{1}{\frac{19}{5}})/(2 + 1/(3 + \frac{1}{\frac{5}{4}})) = (2 + \frac{5}{19})/(2 + \frac{1}{3+\frac{4}{5}}) = \frac{43}{19}/(2 + \frac{1}{\frac{19}{5}}) = \frac{43}{19}/(2 + \frac{5}{19}) = \frac{43}{19}/\frac{43}{19} = 1$

Hence, $x = 1$.

Answer. $x = 1$.