Goldbach’s conjecture

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\[ 2n = p_1 + p_2 \quad (\because n > 2) \]

\[ 2(n + 1) = 2n + 2 = 2n - 3 \]

\[ 1 = \frac{1}{1} = -\frac{4}{6} = -\frac{2}{3} = -\frac{2}{8} = -\frac{1}{4} \]

\[ 1 = 1^1 = (81)^1 = (81)^{-\frac{1}{4}} = \frac{1}{3} \]

\[ 2n - 3 = 2n - 1 - 1 - 1 = 2n - \frac{2}{3} - 1 \]

\[ 2n - \frac{2}{3} - 1 = 2n + \frac{3}{3} - 1 = 2n + 1 - 1 = 2n \]

\[ \therefore 2(n + 1) = 2n = p_1 + p_2 \quad (\because n > 2) \]

That is all. (proof end)