SOME NICE COMPUTATIONS THE MHS SOFTWARE CAN DO

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$$\begin{array}{c} \times & \frac{p+m}{m} \\ & \frac{m}{n(m-2)} \equiv -\frac{13}{4} - \frac{31}{4} + 4\zeta_p(3) \quad p \mod p^2. \\ \times & \frac{p+m}{n(m-2)} \equiv -2 - (5+4\zeta_p(3)) \ p - 12\zeta_p(3)p^2 \mod p^3. \\ \\ \nearrow^{-1 \geq n \geq m \geq 3} & n(m-2) \end{array}$$

$$\begin{array}{c} \longrightarrow & -2 - (5+4\zeta_p(3)) \ p - 12\zeta_p(3)p^2 \mod p^3. \\ \\ \nearrow^{-1} & \times & m+p+2 \\ & n \end{array}$$

$$\begin{array}{c} \longrightarrow & -1 \\ & m+p+2 \\ & p \end{array}$$

$$\begin{array}{c} \longrightarrow & -1 \\ & m=1 \end{array}$$

Date: February 24, 2017.