DATE: . . .

 $\Downarrow$ 

$$\begin{pmatrix}
-1 \cdot \chi_{0} & + \chi_{3} &= 0 \\
\eta_{1g} \cdot \chi_{0} & - 1/4 \cdot \chi_{1} &= 0 \\
1/16 \chi_{0} & + 1/8 \cdot \chi_{1} & - 1/2 \cdot \chi_{2} &= 0 \\
\chi_{0} & + \chi_{1} &+ \chi_{2} &+ \chi_{3} &= 1
\end{pmatrix}$$

$$A = \begin{bmatrix} -1 & 0 & 0 & 1 \\ \eta/g & -1/4 & 0 & 0 \\ 1/16 & 1/g & -1/2 & 0 \\ 1 & 1 & 1 & 1 \end{bmatrix} \qquad \begin{array}{c} \pi_0 \\ \pi_1 \\ \pi_2 \\ \pi_2 \\ \end{array} \qquad \begin{array}{c} b = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$$

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$$A \cdot x = b \implies x = A^{-1} \cdot b = 0.153846154$$

$$0.153846154$$

$$0.15384615$$

$$T_0 = 0.15384615$$
  $T_1 = 0.53846154$   $T_2 = 0.15384615$   $T_3 = 0.15384615$ 

$$M_{00} = \frac{1}{\pi_0} = \frac{1}{0.15384615} = 6.5 \text{ //}$$