Griffiths 9.3: Show that Tr (797B) = 280B For diagonal ferms, it's objust each I matrix when squared has trace of 2. For the of days nal terms, first notice that the trace Lanshes for product of a symmetriz and antisymmetric matrix: suppose gas is symbetiz, pos is antisymnetric, Then Tr(g) = gog po = - gog pap = - god yap => Tr(gr)'=0. By explicit computation, one can show that the product of Symmetriz is and the product 2 antrymmetric is have their trace cansh unless they are equal; $\lambda_3 \lambda_4 = \left(\begin{array}{c} 0 \end{array} \right) \quad \lambda_4 \lambda_5 = \left(\begin{array}{c} 1 \\ 0 \\ -1 \end{array} \right) \quad \lambda_5 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6 \lambda_6 = \left(\begin{array}{c} 0 - 1 & 0 \\ 0 & 0 \end{array} \right) \quad \lambda_6$ 1,13=(9-1) 1, 14 = [00] $\lambda_{3} \lambda_{5} = (00), \lambda_{4} \lambda_{5} = (00), \lambda_{5} \lambda_{8} = (00), \lambda_{5$ 71 75 = (30-1) 11/16 = [00] 18/8=('-10)\f $\lambda_1 \lambda_8 = \frac{1}{13} \left(\frac{1}{10} \right)$ 15/7=(010) 12/4= (883) 12/7= 000-1