

Follow the same logic shown at the end of page 145 and obtain the external line Feynman rules for the three cases that were not done. ( $\overline{\mathscr{V}}_{1}^{s}$   $\overline{\mathscr{V}}^{s}$  )





(tip: spend a few minutes "reading" the physical content, figure out how many particles are there, what are their masses and how do they couple to each other. Draw all the Feynman Rules of the theory if that helps you).



(write your answer as traces of products of Dirac Matrices).