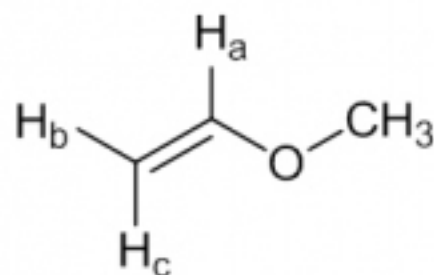1. Knowing that $J_{ac} > J_{ab} > J_{bc}$ how many lines (peaks) would be observed for $H_a$?



2. Write the free radical mechanism for the following decomposition and give the formula for the *two* radicals involved in the propagation steps of the following free radical reaction.