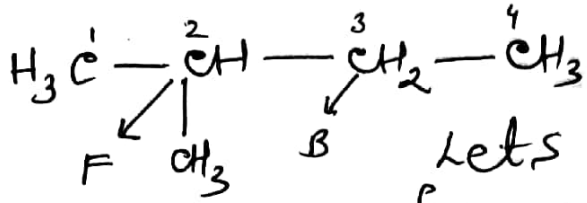
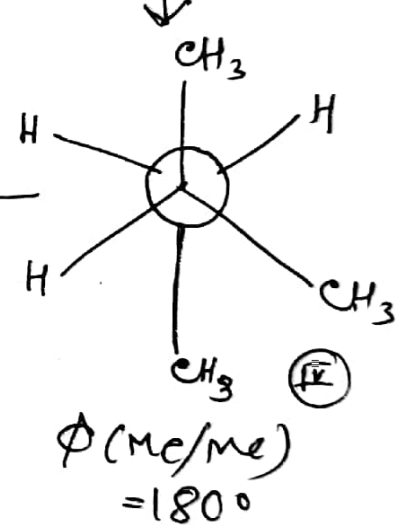
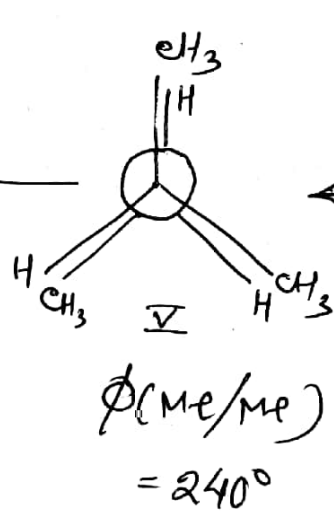
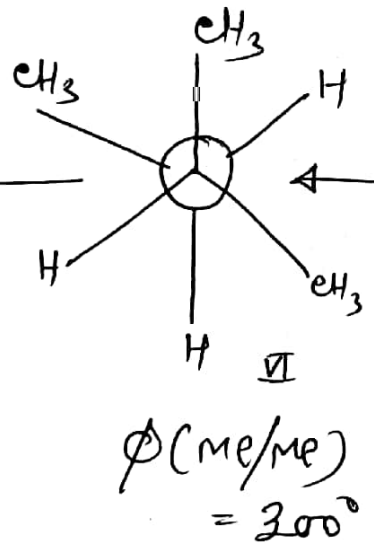
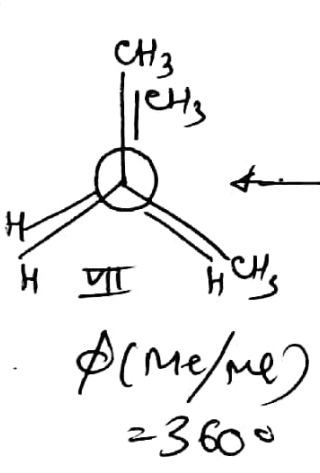
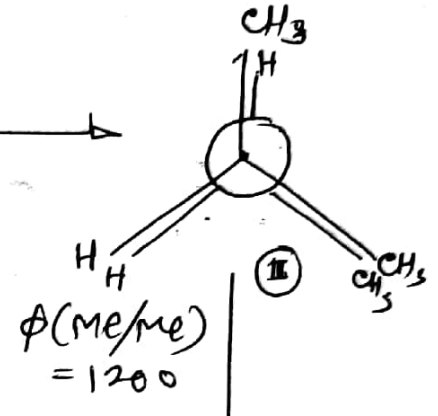
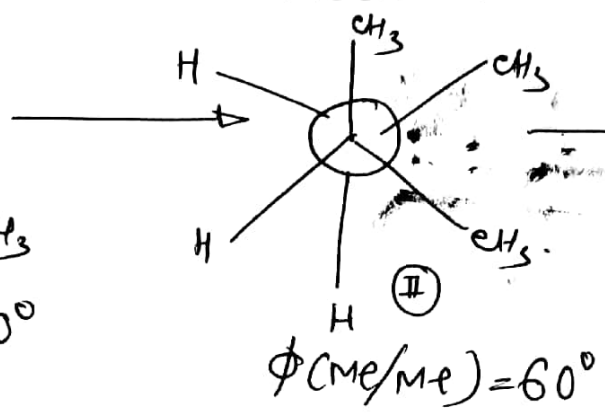
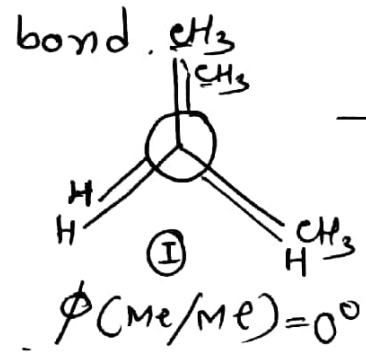


# Conformational analysis of 2-methyl butane

Day-7



Let's assume C-C  
free rotation around C<sub>2</sub>-C<sub>3</sub>



Energy order among st's II, IV, VI.

IV = VI (Energy).  $\text{IV, VI} < \text{II}$

Because in II there are 2 gauche interactions between Me/Me, but in IV & VI there is only one Me/Me gauche interaction.

Energy order among st's I, III, V, VII.

I = III = VII (Energy).

(In all cases there is one Me/Me and one Me/H eclipsed interaction).

