Predict the major product.

$$CH_3$$
 CH_3I $(excess)$

$$\begin{array}{c} \text{A)} & \begin{array}{c} \text{CH}_3 \\ \text{NH}_2 \end{array} \\ \text{CH}_3 \end{array}$$

B)
$$CH_3$$
 N
 CH_3

C)
$$CH_3$$
 CH_3
 CH_3
 CH_3

$$D) \qquad \bigvee_{\substack{N (CH_3)_3}} CH_3$$

E)
$$N(CH_3)$$