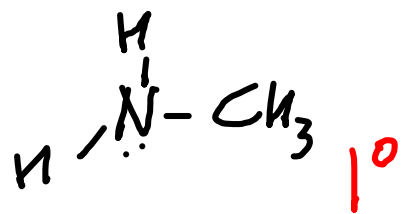
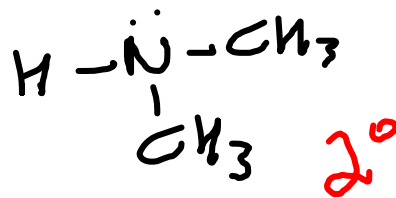


AMINES

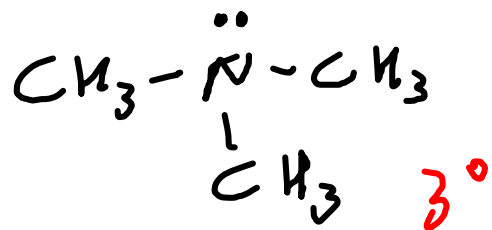
NOMENCLATURE



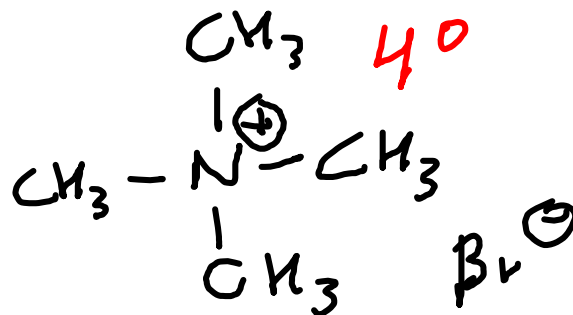
methylamine



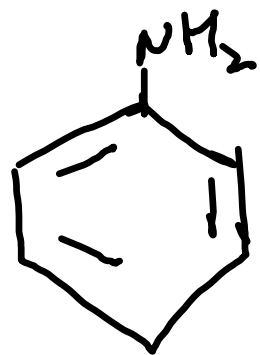
dimethylamine



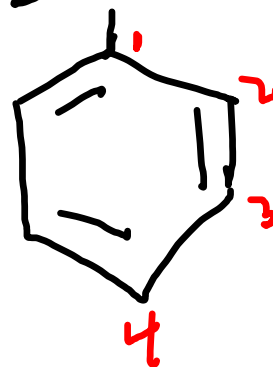
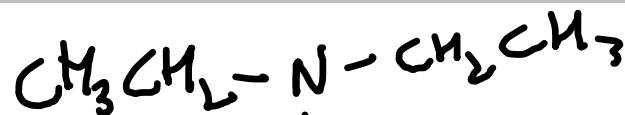
trimethylamine



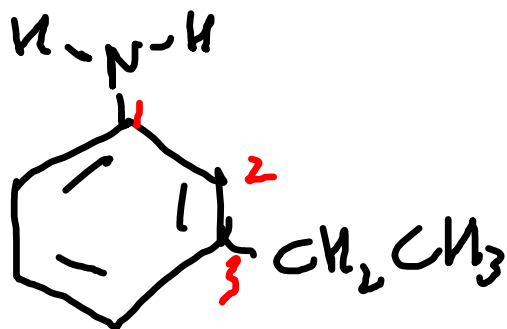
tetramethyl
ammonium
bromide



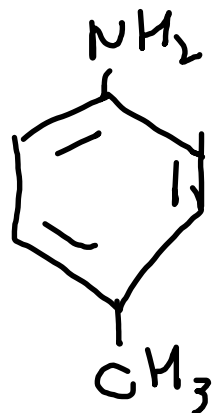
aniline
aminobenzene



N,N-diethylaniline



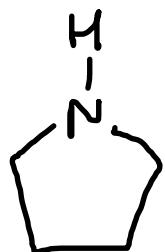
3-ethylaniline
meta-ethylaniline
1-amino-3-ethylbenzene



p-toluidine
p-methylaniline



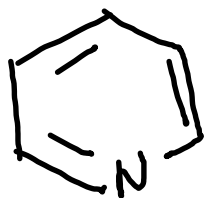
pyrrole



pyrrolidine



imidazole



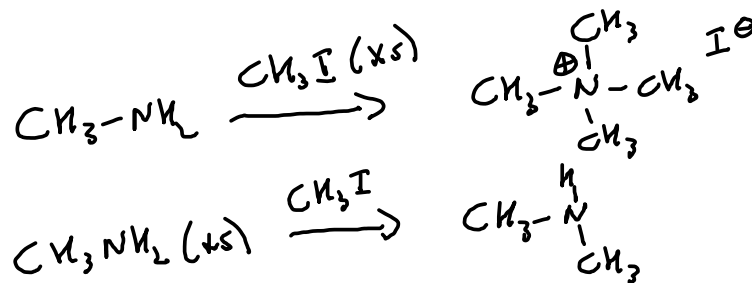
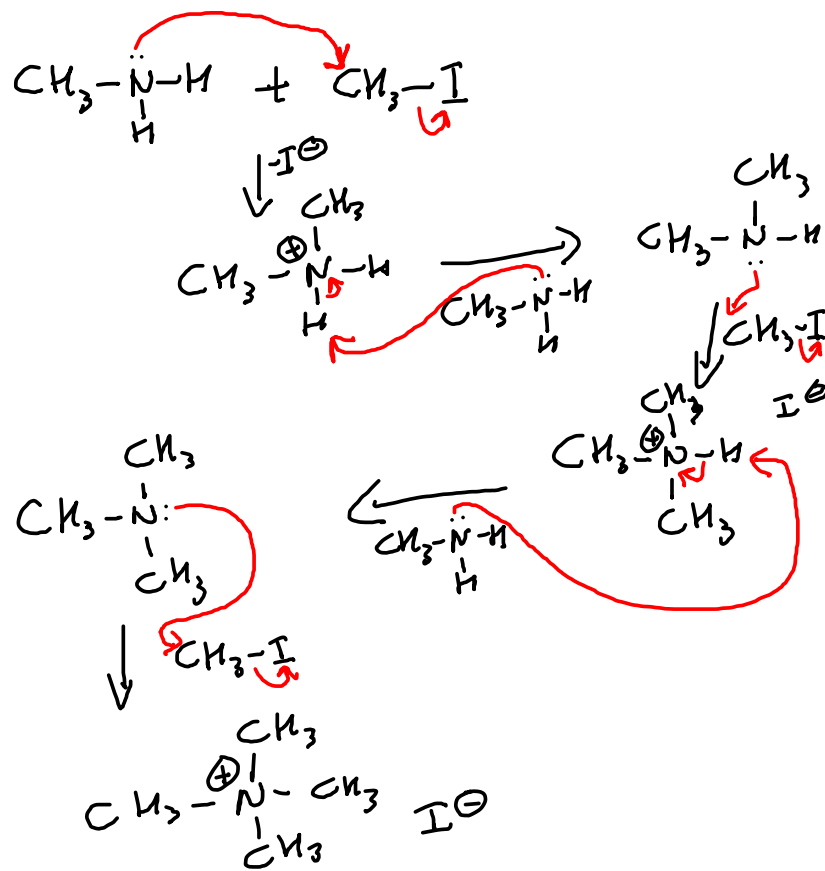
pyridine



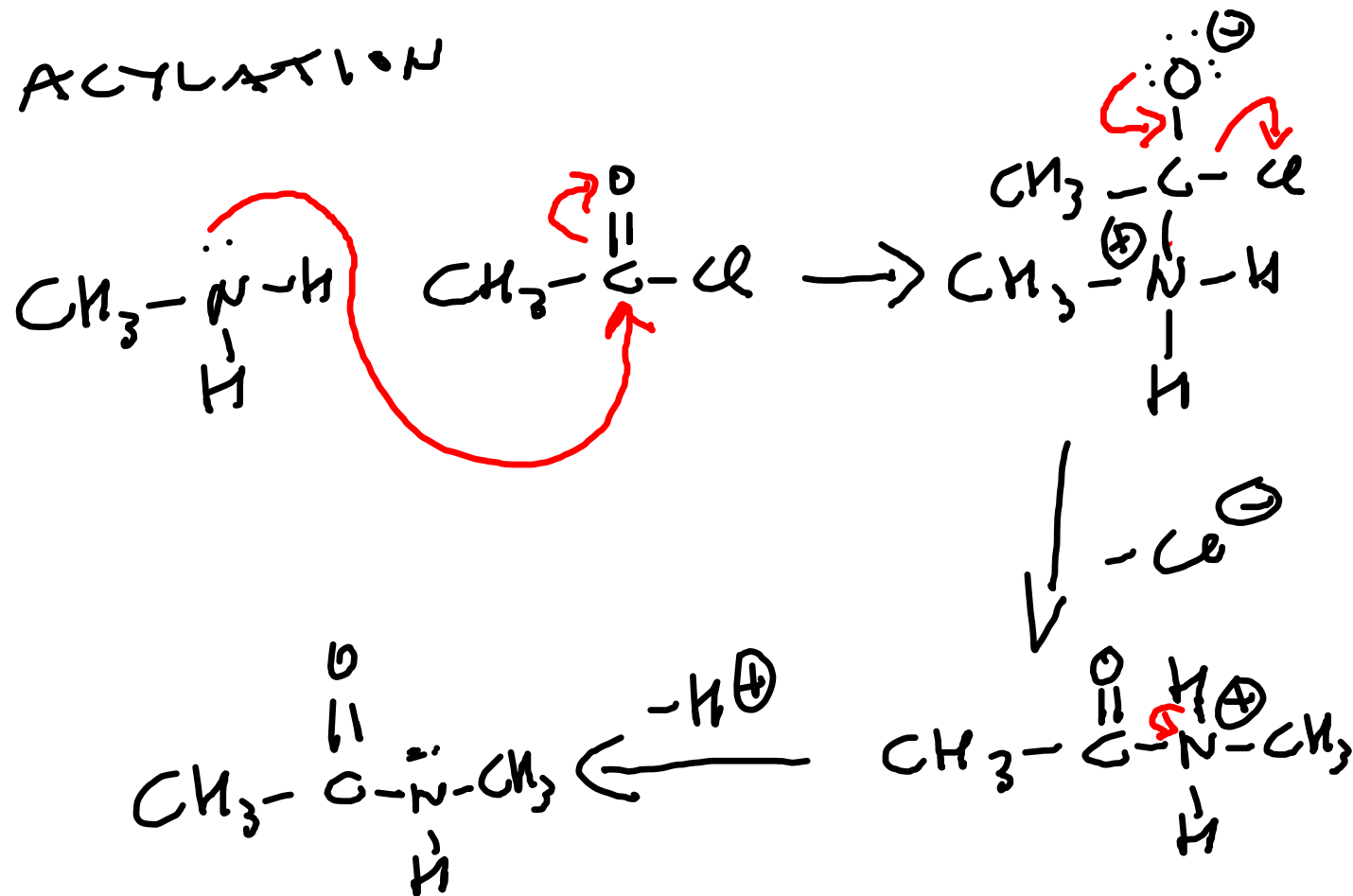
piperidine

REACTIONS

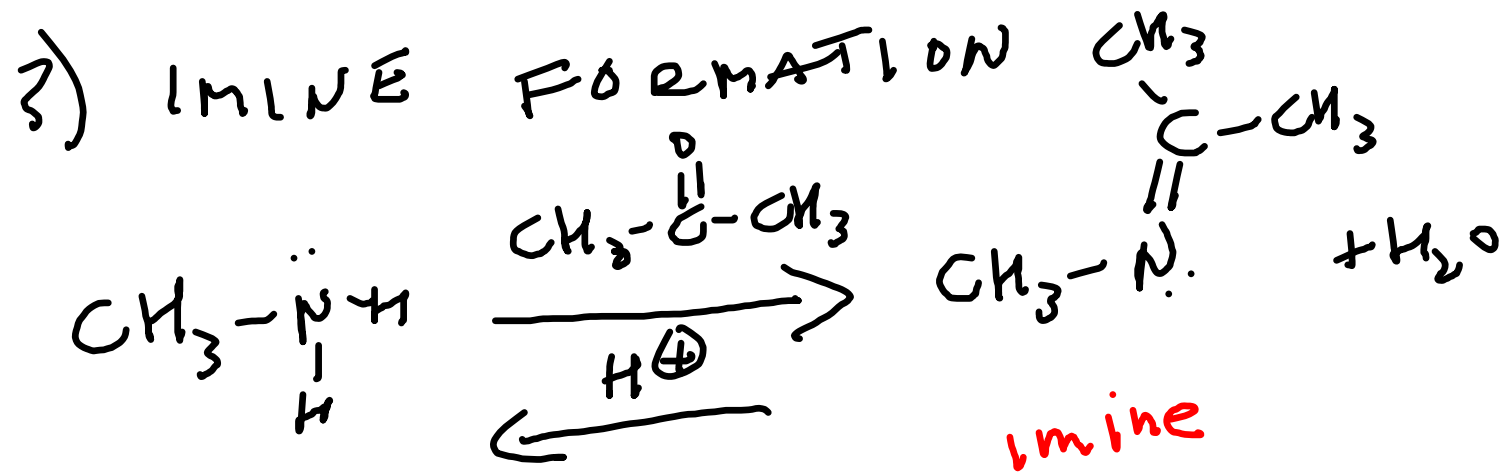
1) ALKYLATION

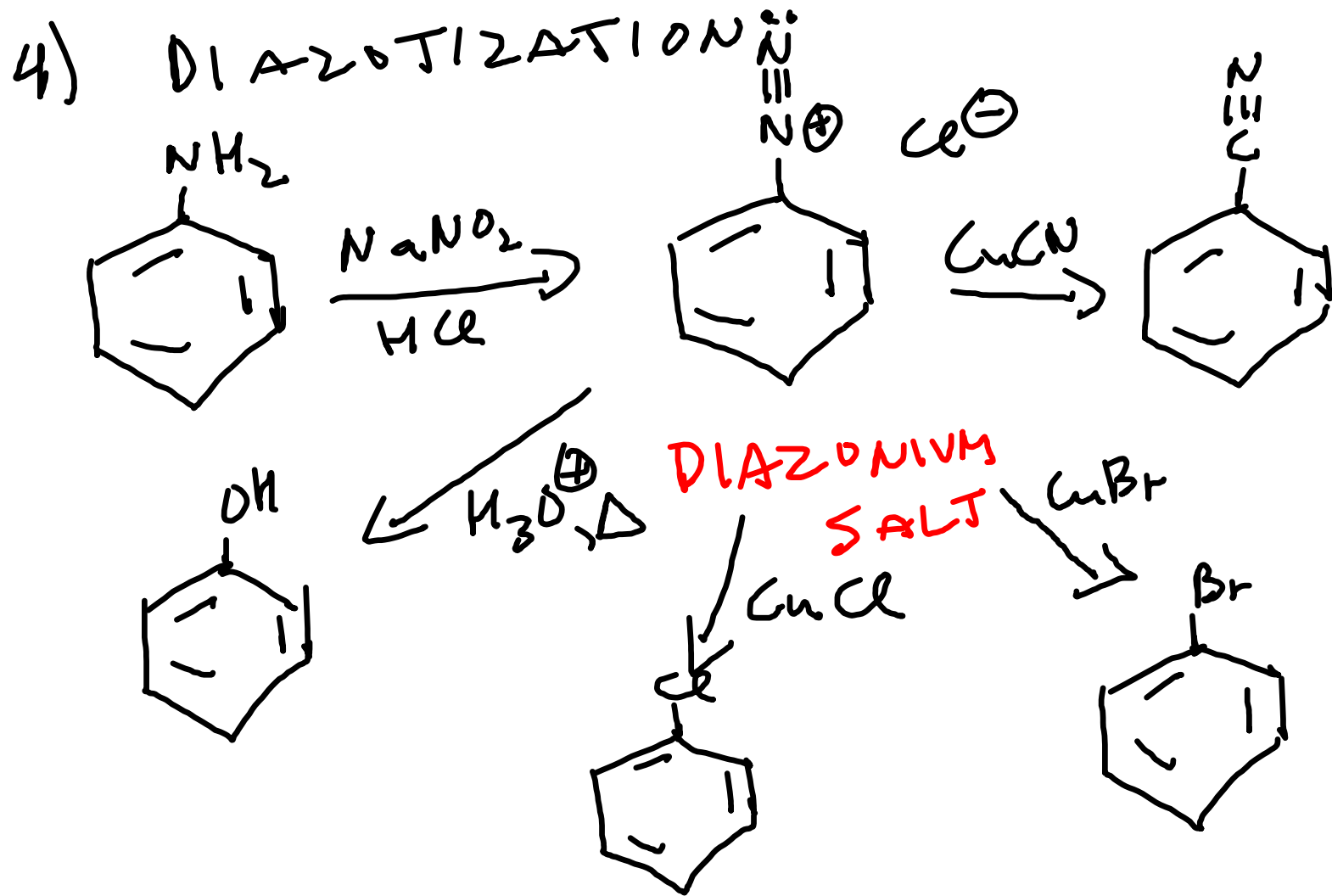


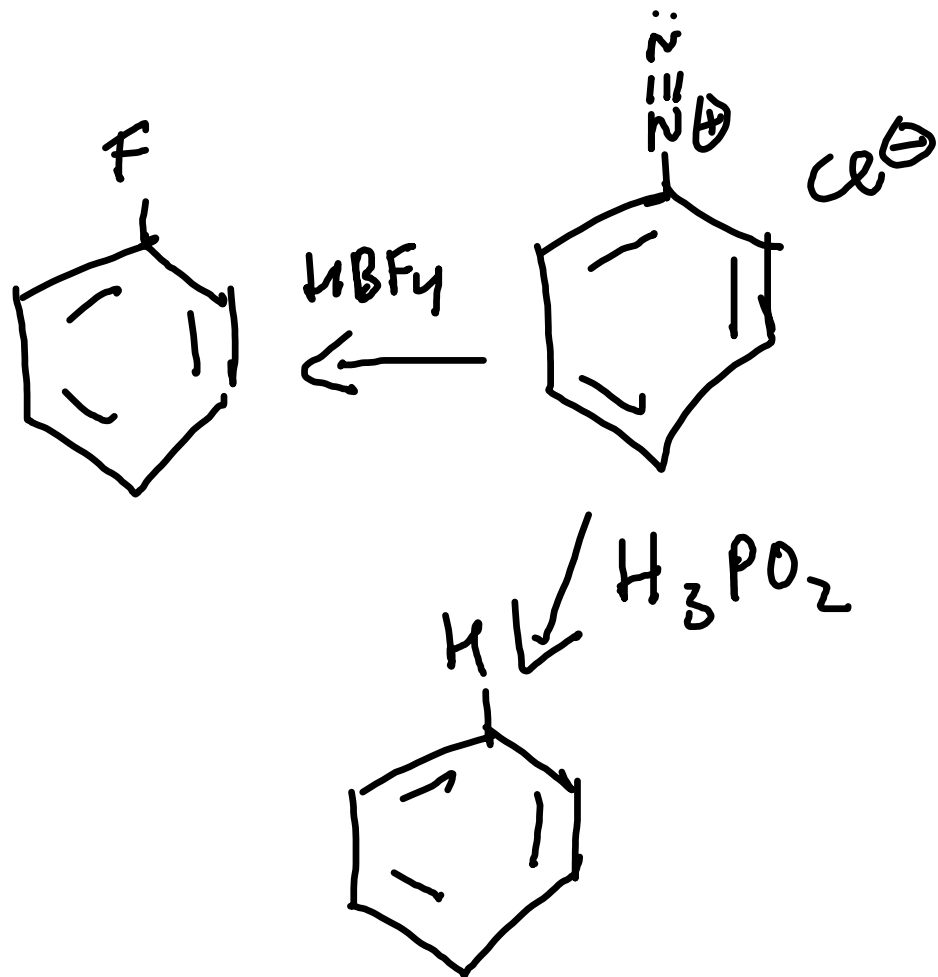
2) ACYLATION

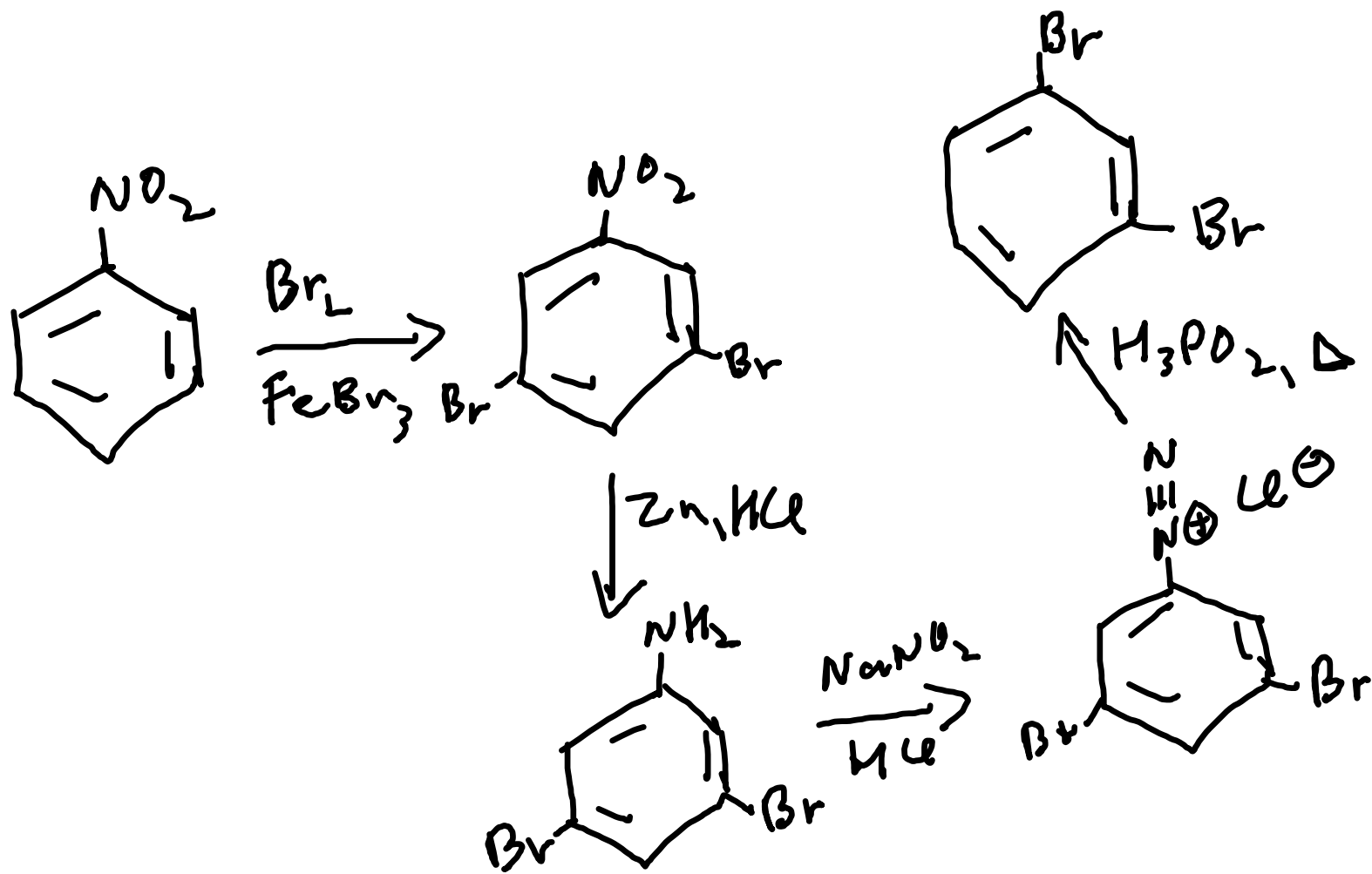


GOOD YIELD

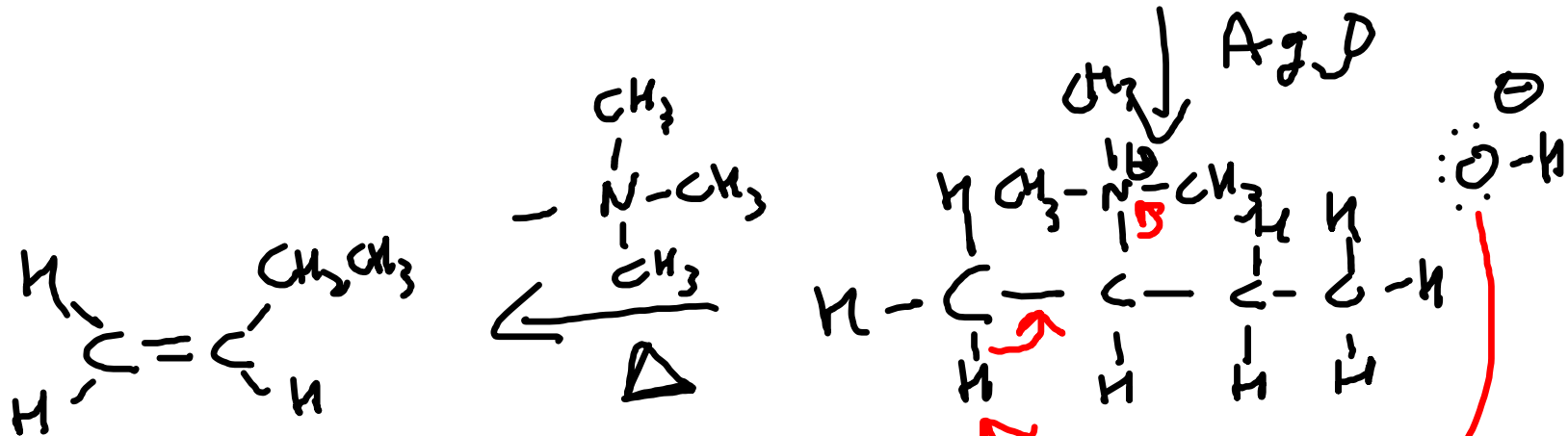
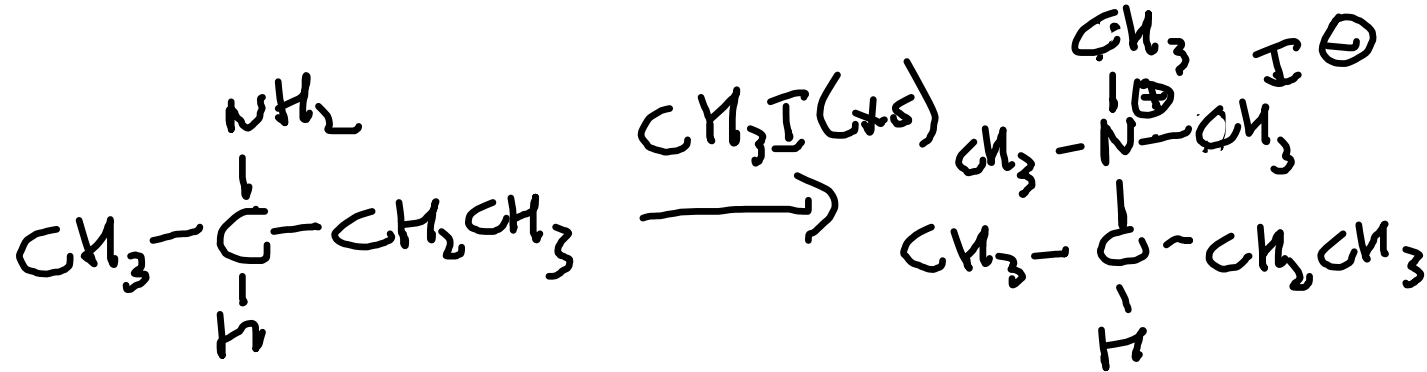








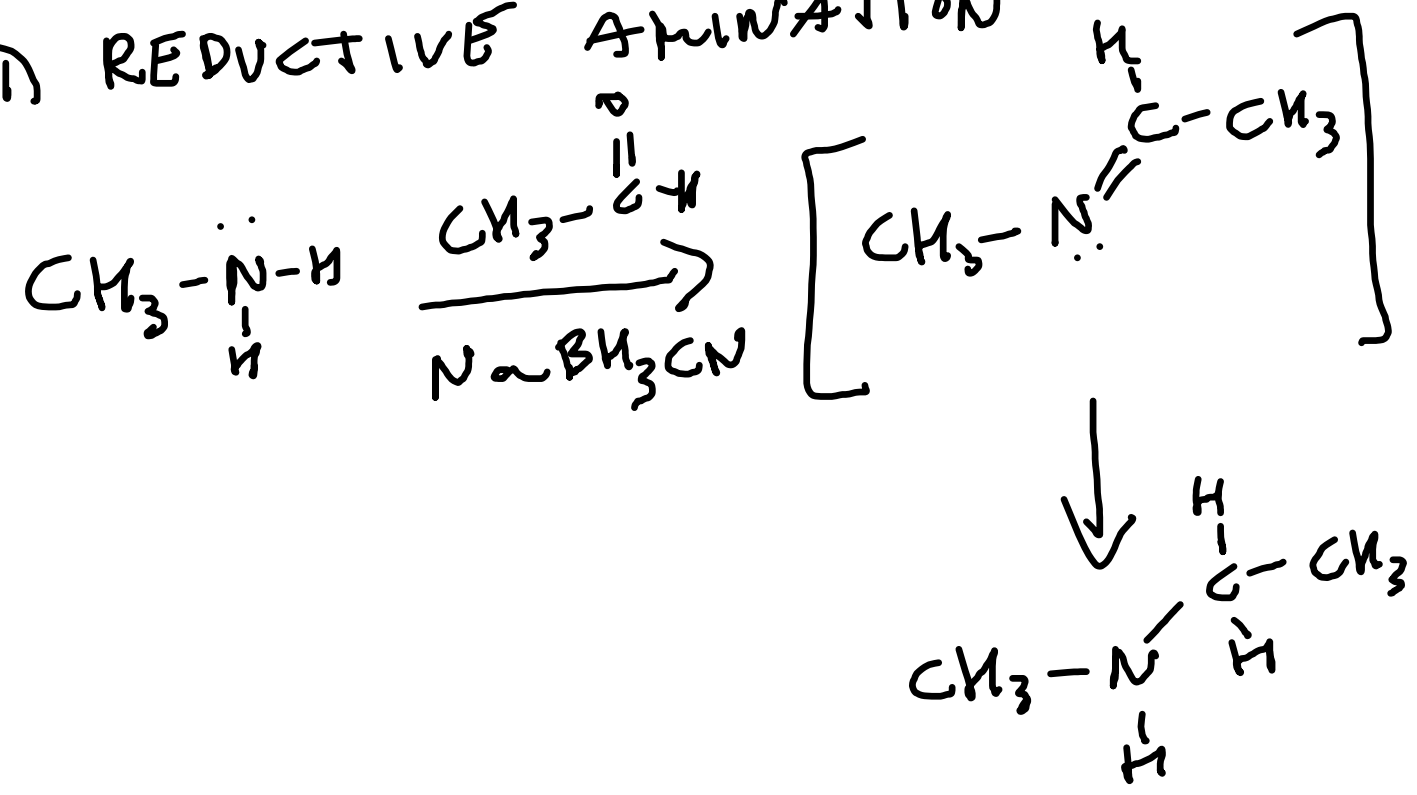
5) HOFMANN ELIMINATION



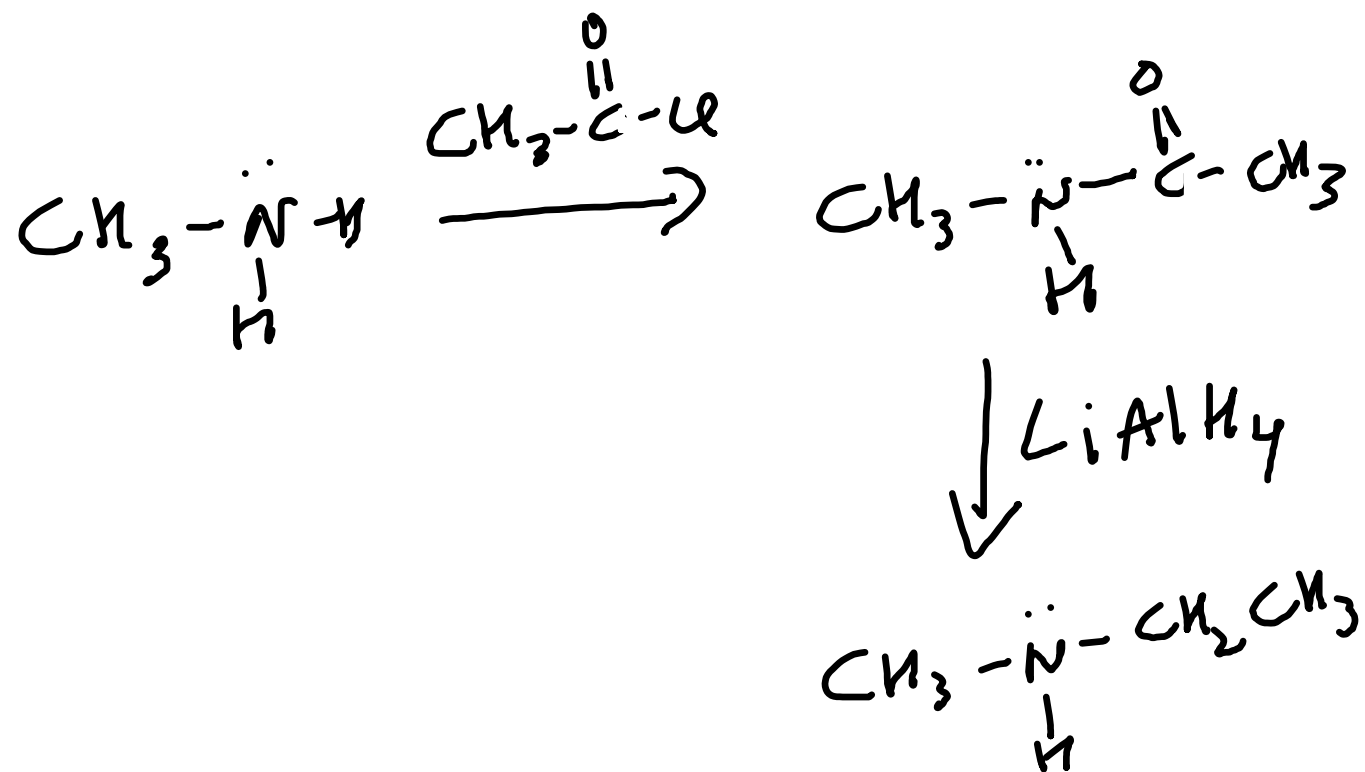
HOFMANN
PRODUCT MAJOR
(LEAST SUBSTITUTED)

SYNTHESIS

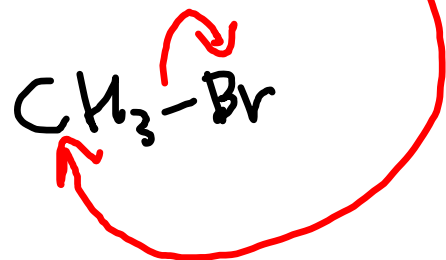
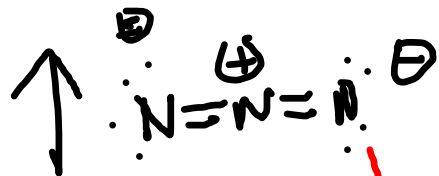
1) REDUCTIVE AMINATION



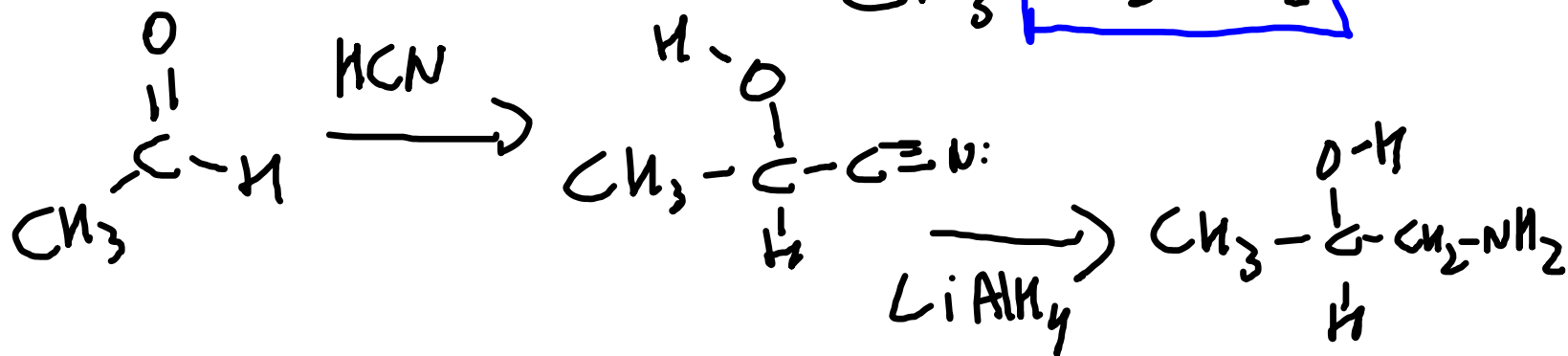
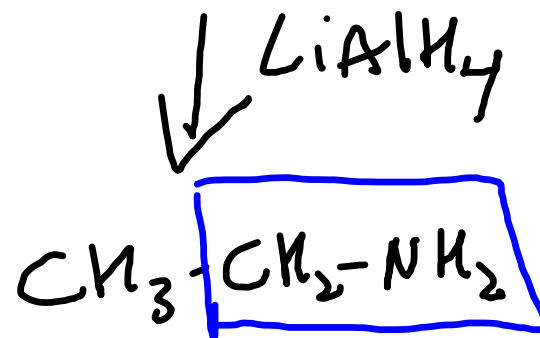
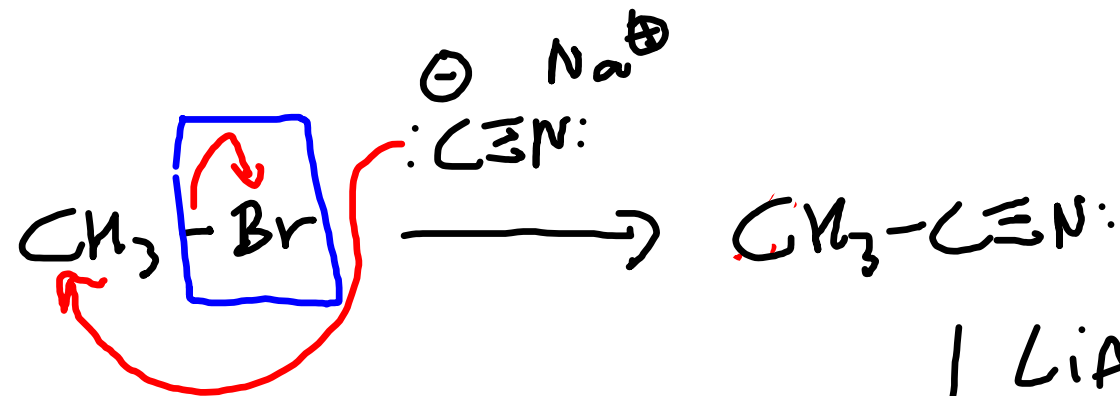
2) ACYLATION THEN REDUCTION



3) REDUCTION OF AZIDES



4) REDUCTION OF NITRILES



β -hydroxy
amine

HOFMANN REARRANGEMENT

