## Alkylation of Ketones and Aldehydes

## With enolates:

## With enamines; Stork Reaction:

O NH
$$H_3O^+$$
 $pH 4.5$ 
 $+ H_2O$ 
 $+ NH_2$ 
 $CH_3-I$ 
 $CH_3$ 
 $CH_3$ 
 $H_3O^+$ 
 $CH_3$ 
 $CH_3$ 

## **Unsymmetrical ketones:**

The two alkylations are complementary