## **Joint Group Meeting**

## Jan 29<sup>th</sup>, 2015

Deep

## Propose plausible mechanisms for the following transformations:

1.

PhCH<sub>2</sub> N + C<sub>6</sub>H<sub>13</sub>CHO 
$$\begin{array}{c}
CO_2Et \\
Ph \\
CN \\
O
\end{array}$$
1. NH<sub>4</sub>CI, toluene reflux

2. Pd(OH)<sub>2</sub>, H<sub>2</sub>
EtOH, 1 atm

$$\begin{array}{c}
CO_2Et \\
CO$$

2.