Joint Group Meeting Problems Feb 20, 2014 Naveen Diddi

1. Please propose a suitable mechanism for the formation of products **2**, **3** and **4** from intermediate **A** of the following transformation.

 ${f 2.}$ Please suggest a plausible mechanism for the following transformation via intermediate ${f B.}$

$$\begin{array}{c}
\bullet \\
+ \\
\stackrel{\mathsf{N}}{\bigcap} \\
\stackrel{\mathsf{CI}}{\bigcap} \\
\end{array}
\begin{array}{c}
\mathsf{L-Proline I (30 mol\%)} \\
\mathsf{CH_2Cl_2, rt}
\end{array}
\begin{array}{c}
\bullet \\
\mathsf{D}
\end{array}$$