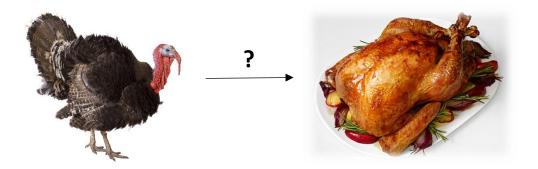
Joint Group Meeting October 12, 2017

## **PROBLEMS**

Propose a plausible mechanism for the following transformations

NC 
$$\stackrel{\text{NC}}{=}$$
 CN + EtO<sub>2</sub>C  $\stackrel{\text{SO}_2\text{Ph}}{=}$   $\stackrel{\text{Na}}{=}$   $\stackrel{\text{Na}}{=}$   $\stackrel{\text{Na}}{=}$   $\stackrel{\text{NC}}{=}$   $\stackrel{\text{N$ 

**Bonus:** Propose reaction conditions for the following transformation:



Happy Thanksgiving!