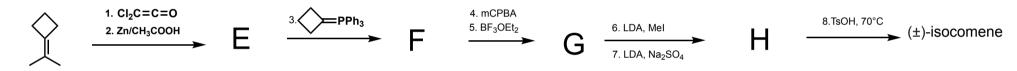
## Denksport Jun 06.07.2022

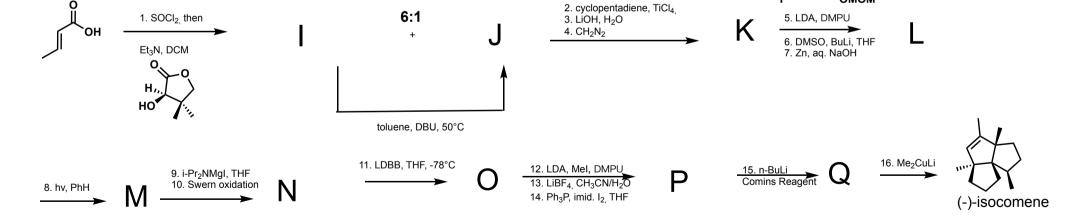
## Intramolecular [2+2] cycloaddition, Ring Enlargement

$$A \xrightarrow[]{\text{THF}} B \xrightarrow[]{\text{A. hv, 350 nm}} C \xrightarrow[]{\text{DMSO}} D \xrightarrow[]{\text{6. TsOH, PhH, } \triangle} (\pm)\text{-isocomene}$$

## Thermal controlled rearrangement



## Photocycloaddition reductive fragmentation



момо