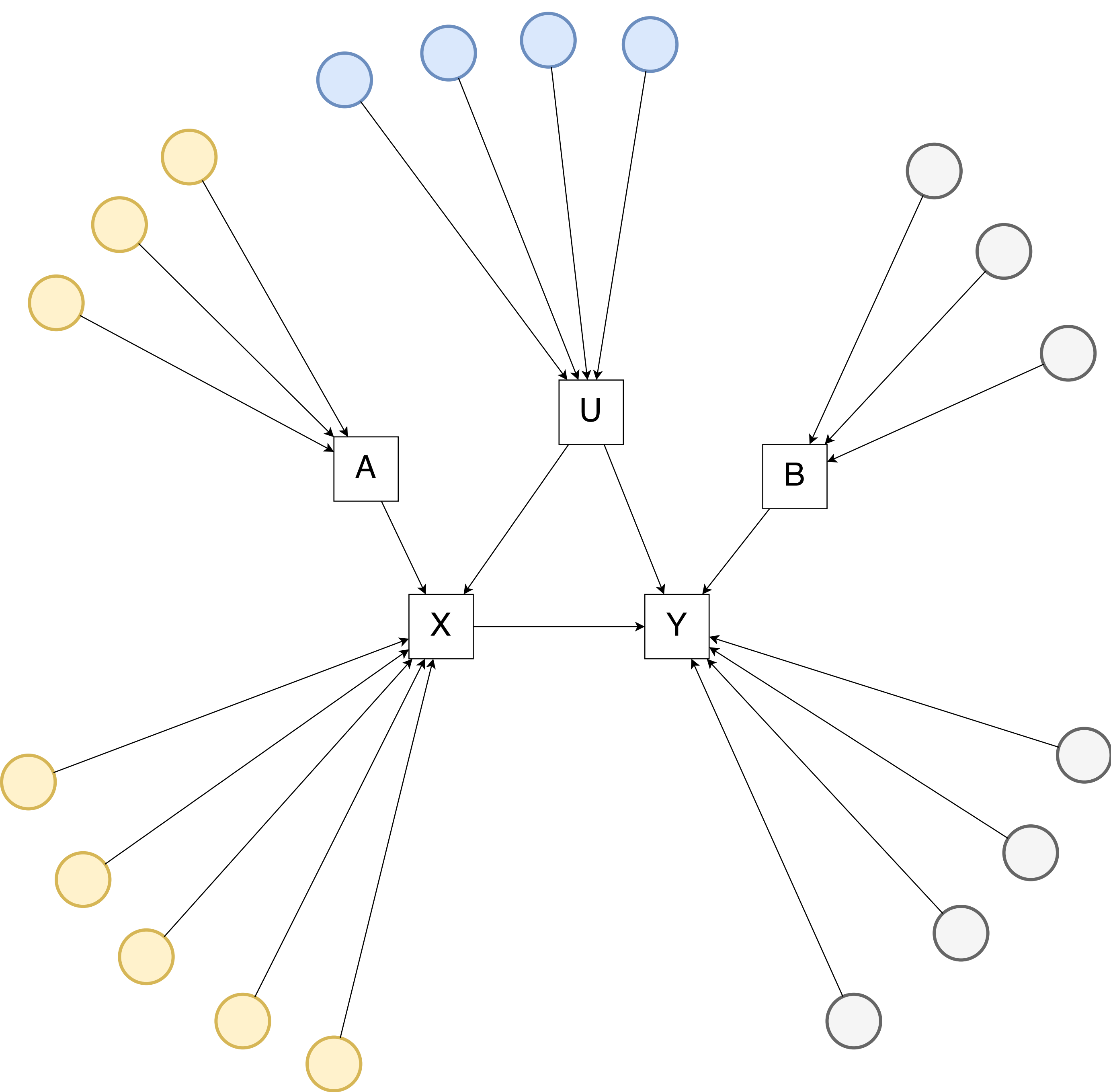
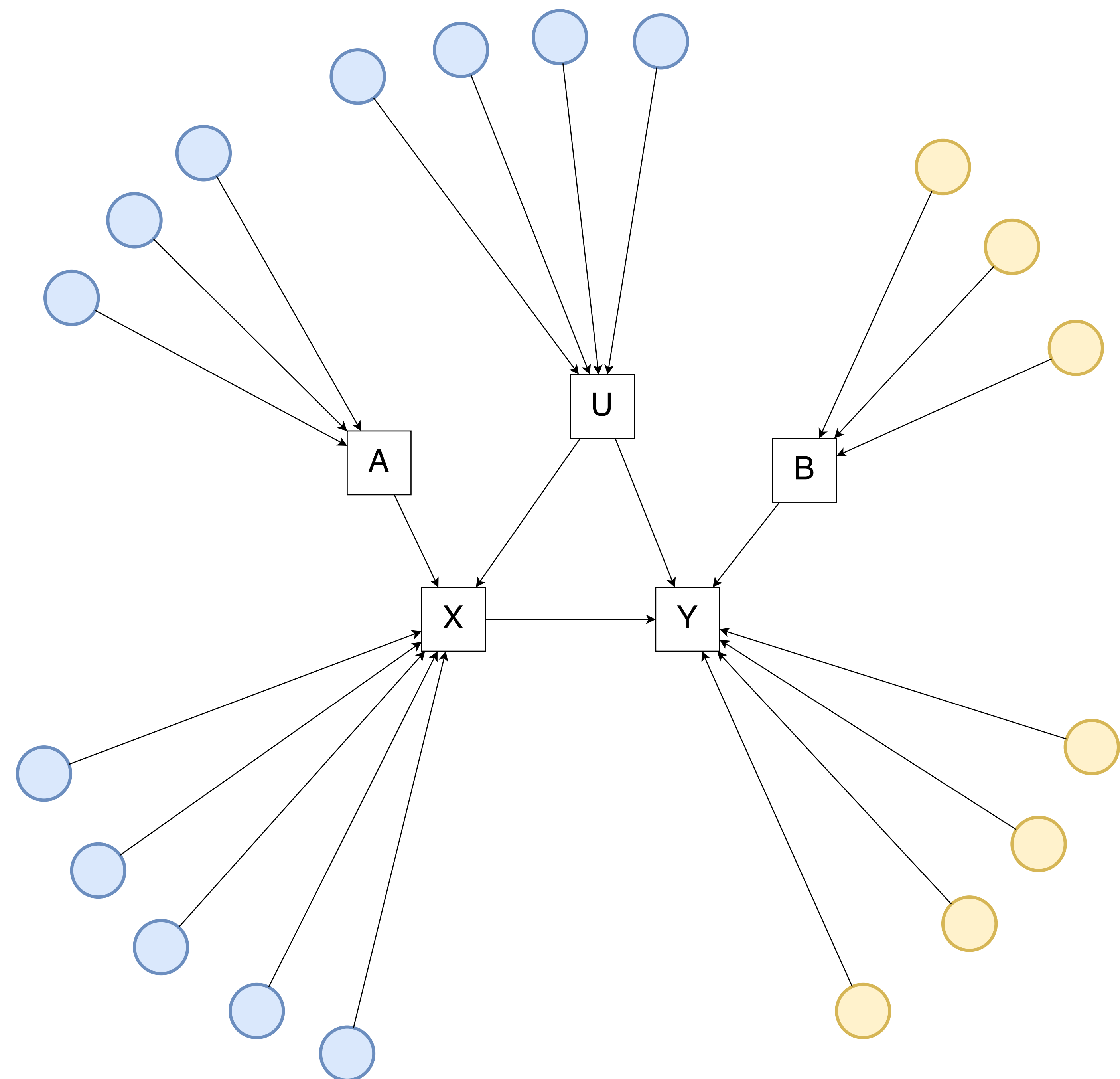





Identifying instruments for X  
against Y



Identifying instruments for Y  
against X



-  Identified by GWAS on the exposure, valid instrument
-  Identified by GWAS on the exposure, invalid instrument
-  Not identified by GWAS on the exposure