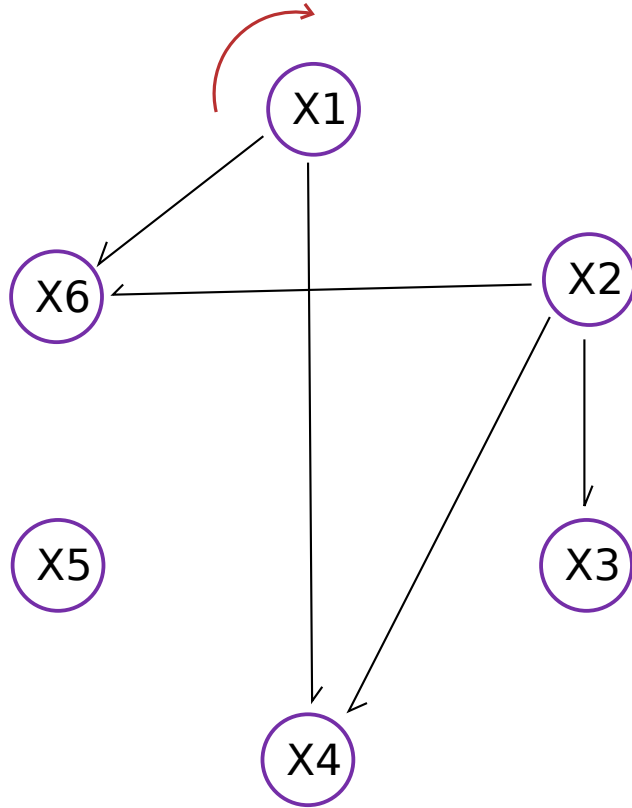


Relation Digraph



Valid HGTs

1. (X1, X4)
2. (X2, X4)
3. (X2, X3)
4. (X1, X6)\*
5. (X2, X6)\*

\* before-speciation relations

Symmetric Relations

(X1, X4) ~ (X1, X5)  
 (X2, X4) ~ (X2, X5)  
 (X2, X3) ~ (X3, X2)  
 (X2, X4) ~ (X3, X4)  
 (X2, X5) ~ (X3, X5)  
 (X2, X6) ~ (X3, X6)  
 (X4, X1) ~ (X2, X6)  
 (X4, X2) ~ (X2, X4)  
 (X4, X3) ~ (X2, X4)  
 (X4, X5) ~ (X2, X3)  
 (X5, X1) ~ (X2, X6)  
 (X5, X2) ~ (X2, X4)  
 (X4, X3) ~ (X2, X4)  
 (X4, X5) ~ (X2, X3)