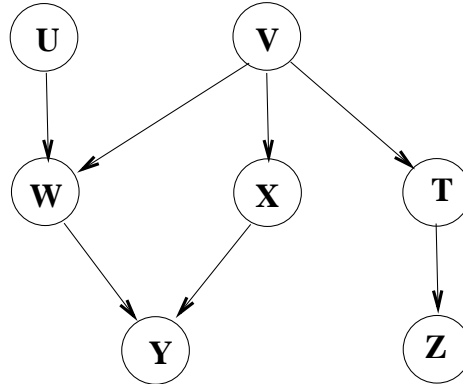


Consider the Bayes net below. Perform D-separation to answer each of the following queries.



1. $V \perp Z$?
2. $V \perp Z|T$?
3. $U \perp V$?
4. $U \perp V|W$?
5. $U \perp V|X$?
6. $U \perp V|Y$?
7. $U \perp V|Z$?
8. $W \perp X$?
9. $X \perp T|V$?
10. $X \perp W|U$?
11. $Y \perp Z$?
12. $Y \perp Z|T$?
13. $Y \perp Z|X$?
14. $Y \perp Z|V$?
15. $W \perp Z|V$?
16. $U \perp Z$?
17. $U \perp Z|Y$?