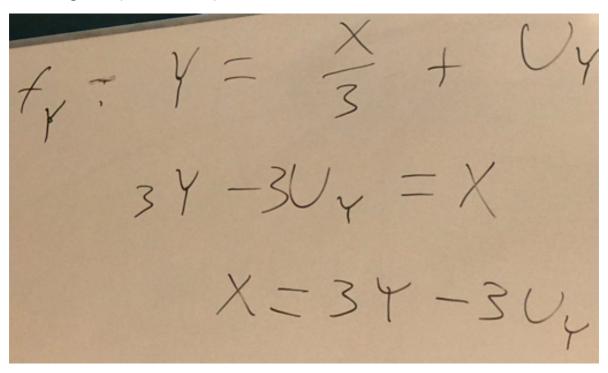
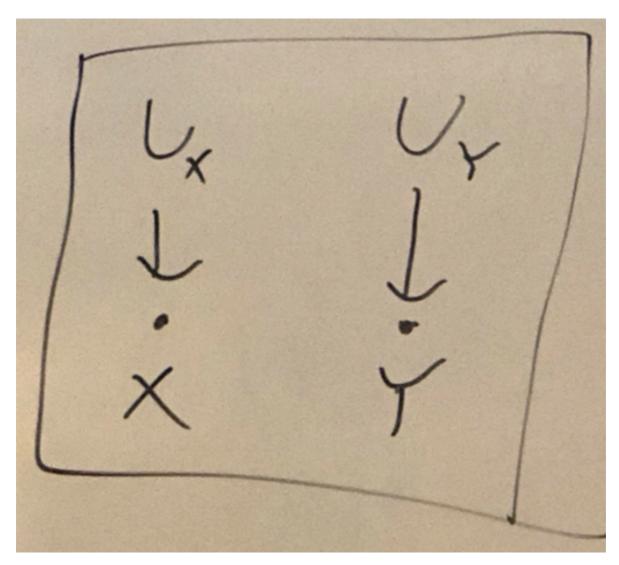
L2 Graph theory

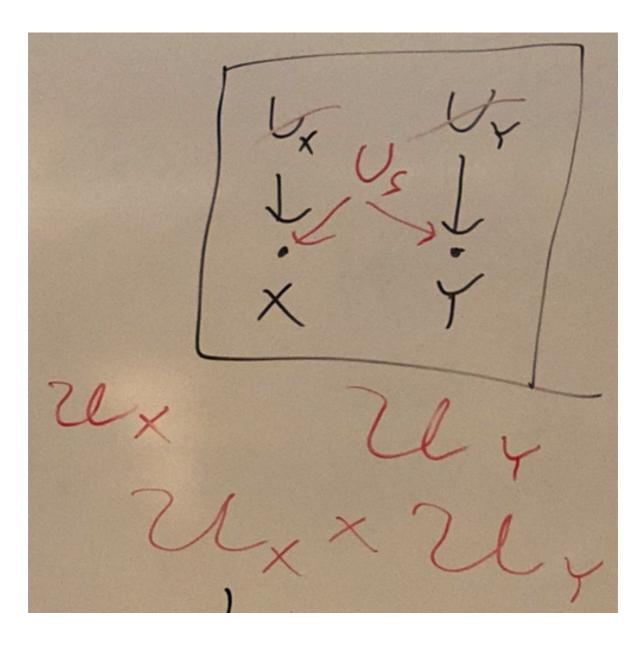
3/27Rewriting an equation example:



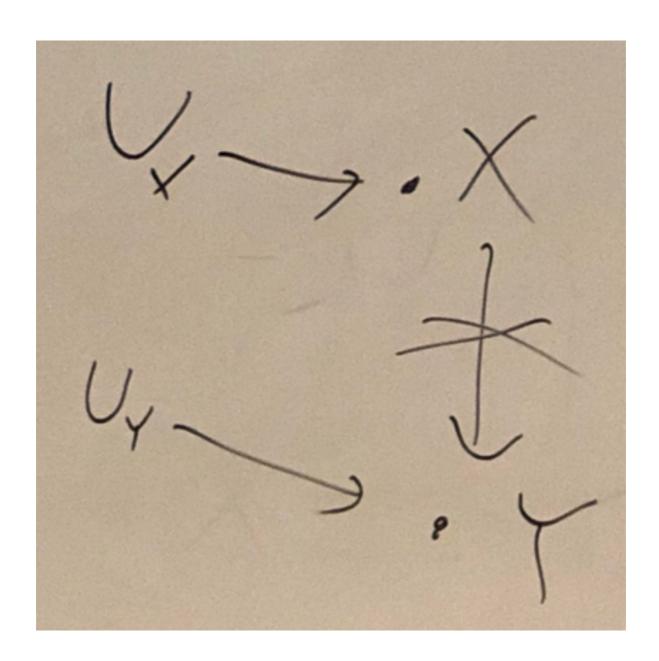
9/27 Independent variables



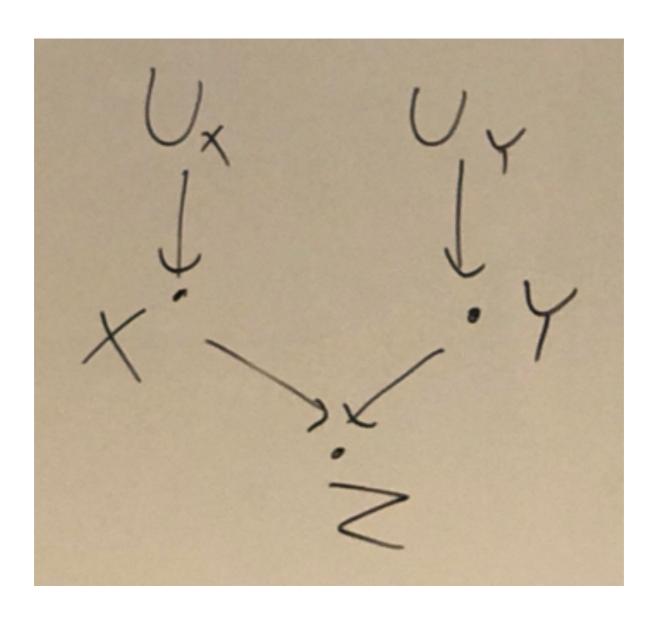
Added exogenous variable:



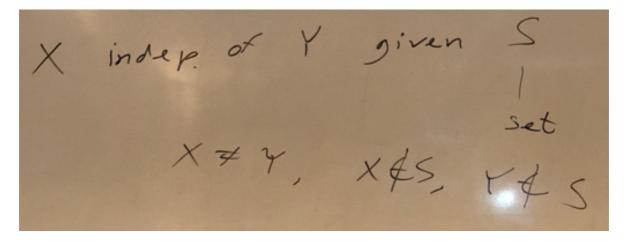
16/27



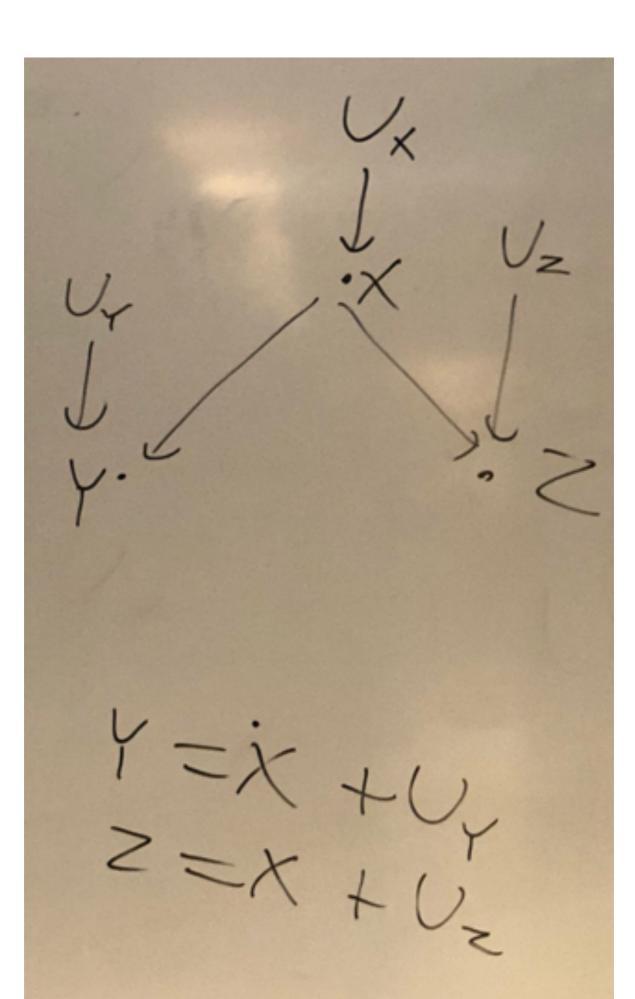
17/27



19/27Rules where the conditional independence follows

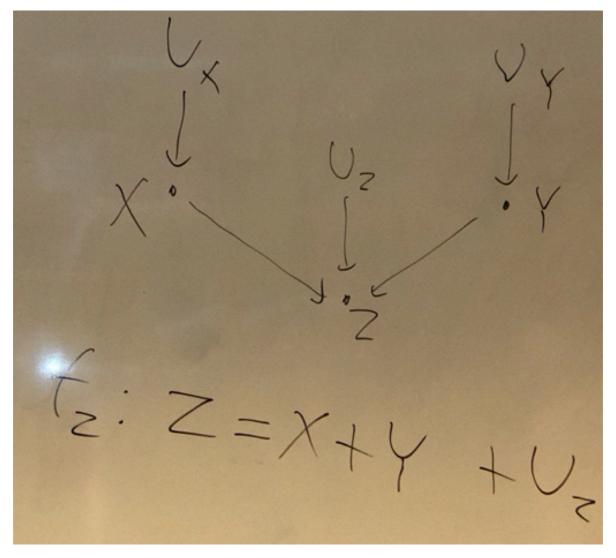


22/27Y and Z are independent given X



25/27

X and Y are likely dependent when we condition on Z. So value of X starts telling us something about value of Y.



X and Y are still dependent if we introduce a new variable W

