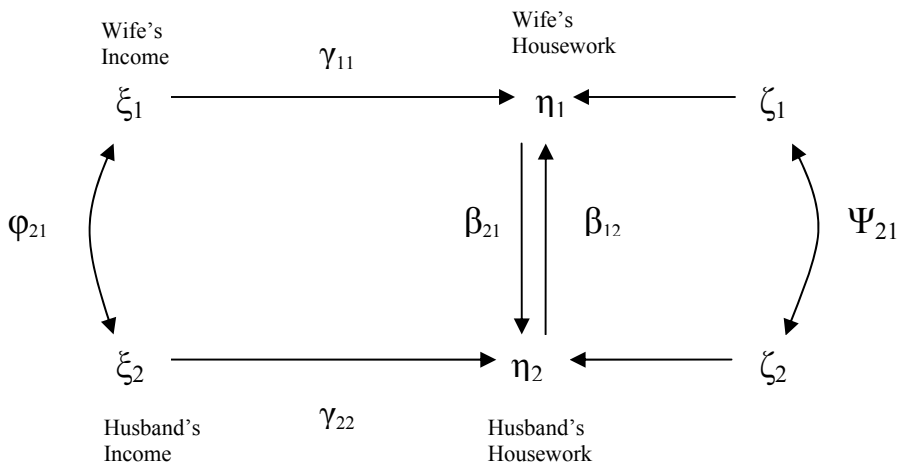


3. How many tetrad difference overidentifying restrictions on observed moments does this model imply? Give an example of **one** of these. (2 points)

4. What would the overall goodness-of-fit χ^2 test? How many degrees of freedom does it have? (2 points)

5. How is the metric of ξ_1 and η_1 set? Suppose that $\theta_{11}^\epsilon = .20$, $\theta_{22}^\epsilon = .10$, and $\theta_{33}^\epsilon = .25$. Which measure of income would you say is most accurate? (3 points)

III. Consider the following simultaneous equation model in two equations:



1. Write out the two structural form equations in scalar algebra. (2 points)

2. What are the properties of OLS for estimating the structural parameters (γ s and β s) (i.e. is it consistent and unbiased)? Explain why. (2 points)

