

- If $X_1 \rightarrow X_2 \rightarrow \cdots \rightarrow X_n$ form a Markov chain, then the structure of μ^* is much simpler and hence the information diagram can be simplified.
- For $n = 3$, $X_1 \rightarrow X_2 \rightarrow X_3$ iff $I(X_1; X_3 | X_2) = 0$, or $\mu^*(\tilde{X}_1 \cap \tilde{X}_3 - \tilde{X}_2) = 0$.
- So the atom $\tilde{X}_1 \cap \tilde{X}_3 - \tilde{X}_2$ can be suppressed in the information diagram.