Example 12.28 With respect to the graph G as shown, the Type II atoms are

$$12\bar{3}4, \bar{1}2\bar{3}4, 1\bar{2}\bar{3}4,$$

while the other 12 nonempty atoms of $\mathcal{F}_4$ are Type I atoms. The random variables X_1, X_2, X_3, and X_4 form a Markov graph G if and only if $\mu^*(A) = 0$ for all Type II atoms A.