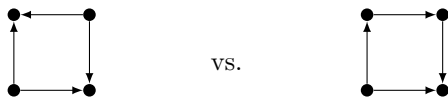
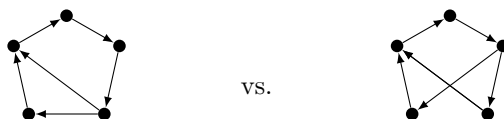


For each of the following pairs or triples of structures, distinguish them by finding a sentence that is true in the first, but false in the second.

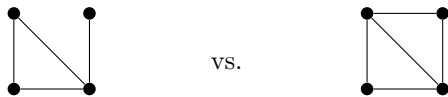
In the language with one binary relation $a \rightarrow b$:



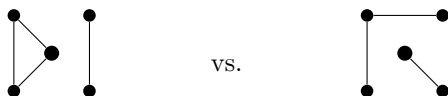
In the language with one binary relation $a \rightarrow b$:



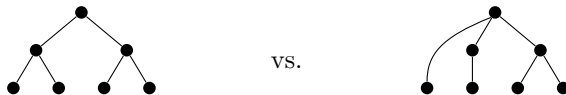
In the language with a symmetric binary relation $a \sim b$, indicated here:



In the language with a symmetric binary relation $a \sim b$, indicated here:



In the partial orders $a \leq b$ whose skeletons are pictured below:



In the partial orders $a \leq b$, whose skeletons appear below:

