

## Representing Partial Orders





## 

All that matters are the connections: graphs with the same connections are isomorphic
(c) $)^{\mathrm{Br}}$ ㅂo (2) Albert R Meyer March 19, 2012



```
is.!
    two graphs are isomorphic
    when there is an
    edge-preserving
    bijection
of their vertices.
@(1)()}\mathrm{ Albert R Meyer March 22, 2013
    Albert R Meyer March 22,2013
p.o. isomorphic to \(\subset\)
proof: map element, \(a\), to
the set of elements below it.
a maps to \(\{b \in A \mid b R a\) OR \(b=a\}\)


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\[
f(a)::=R^{-1}(a) \cup\{a\}
\]
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