





Composite of relations	
 Definition: Let R be a relation from a set A to a set B a relation from B to a set C. The composite of R and relation consisting of the ordered pairs (a,c) where a ∈ C, and for which there is a b ∈ B such that (a,b) ∈ S. We denote the composite of R and S by S o R. 	and S a S is the $a \in A$ and c $a \in R$ and (b,c)
Examples:	
• Let $A = \{1,2,3\}$, $B = \{0,1,2\}$ and $C = \{a,b\}$.	
• $\mathbf{R} = \{(1,0), (1,2), (3,1), (3,2)\}$	
• $S = \{(0,b), (1,a), (2,b)\}$	
• S o R = ?	
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