

2) Matrix of the relation

From a rectangular array whose rows are labeled by the elements of A and whose columns are labeled by elements of B .

Put $A(1)$ or (0) in each position of the array according as

$a \in A$ or is not related to $b \in B$.

		B		
		1	2	3
A	1	0	0	0
	2	1	0	0
	3	1	1	0

3) arrow diagram

Write down the elements of A and elements of B in two disjoint disks and then draw an arrow from $a \in A$ to $b \in B$ whenever a is related to b .

