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	PAGE NO.	:	
-	DATE:		

FIND-SET(3) = 3 PIND-SET(1) = 2 PIND-SET(5) = 5PIND-SET(4) = 3

UNION (9,6): combines sets containing

a and b and collects them into a new get. It means

that if a is present in set Sa and

b is present in set Sb; then this operation

merges a and b into a single get

(either Sa or Sb or may be new set)

Generally Sa ox S, are taken and new set is not created.

Since FIND-SET and UNION operations are critical in disjoint-set data tructures, these structures are famously known as "Union-Find" datastructures.

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