A B	ook of Abstract Algeb	ora (2nd Ed	lition)		
	Chapter 23, Problem 4EC	Bookmark	Show all steps: ON		
	Problem				
	Prove the following for all integers a , b , c , d and $a \equiv b \pmod{1}$.	d all positive integers <i>m</i>	and <i>n:</i>		
	Step-by-step solution				
	Step 1 of 3				
	Here, objective is to prove that $a \equiv b \pmod{1}$				
	Comment				
	Step 2 of 3				
	Consider a,b are integers, m is a positive integer	ger.			
If m divides $a-b$, then a is congruent to b modulo m which is represented by $a=b$ (mo					
	Comment				
	Step	3 of 3			
	Consider a,b are integers				

m = 1 is a positive integer.

It is clear that 1 divides a-b

$a \equiv b \pmod{1}$		
Hence, proved		
Comment		
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