

62. a) If the departments share the equipment, then the maximum number of each type is all that is required, so we want to take the union of the multibets, $A \cup B$.
 b) Both departments will use the minimum number of each type, so we want to take the intersection of the multibets, $A \cap B$.
 c) This will be the difference $B - A$ of the multibets.
 d) If no sharing is allowed, then the university needs to purchase a quantity of each type of equipment that is the sum of the quantities used by the departments, this is the sum of the multibets, $A + B$.
64. Taking the maximum for each person, we have $N(1, T) = \{0.6 \text{ Allen}, 0.9 \text{ Brian}, 0.4 \text{ Fred}, 0.8 \text{ George}, 0.7 \text{ Rita}\}$.

SECTION 2.3 Functions

1. a) This is not a function because the rule is not well-defined. We do not know whether $f(3) = 3$ or $f(3) = -3$. For a function, it cannot be both at the same time.
 b) This is a function. For all integers n , $\sqrt{n^2 + 1}$ is a well-defined real number.
 c) This is not a function with domain \mathbb{Z} , since for $n = 2$ (and also for $n = -2$) the value of $f(n)$ is not defined by the given rule. In other words, $f(2)$ and $f(-2)$ are not specified since division by 0 makes no sense.
4. a) The domain is the set of nonnegative integers, and the range is the set of digits (0 through 9).
 b) The domain is the set of positive integers, and the range is the set of integers greater than 1.
 c) The domain is the set of all bit strings, and the range is the set of nonnegative integers.
 d) The domain is the set of all bit strings, and the range is the set of nonnegative integers (a bit string can have length 0).
6. a) The domain is $\mathbb{Z}^n \times \mathbb{Z}^n$ and the range is \mathbb{Z}^n .
 b) Since the largest decimal digit of a strictly positive integer cannot be 0, we have domain \mathbb{Z}^n and range $\{1, 2, 3, 4, 5, 6, 7, 8, 9\}$.
 c) The domain is the set of all bit strings. The number of 1's minus number of 0's can be any positive or negative integer or 0, so the range is \mathbb{Z} .
 d) The domain is given as \mathbb{Z}^n . Clearly the range is \mathbb{Z}^n as well.
 e) The domain is the set of bit strings. The range is the set of strings of 1's, i.e., $\{\lambda, 1, 11, 111, \dots\}$, where λ is the empty string (containing no symbols).
8. We simply round up or down to each case.
 a) 1 b) 2 c) -1 d) 0 e) 3 f) -2 g) $\lfloor \frac{1}{2} + 1 \rfloor = \lfloor \frac{3}{2} \rfloor = 1$
 h) $\lfloor 0 + 1 + \frac{1}{2} \rfloor = \lfloor \frac{3}{2} \rfloor = 1$
10. a) This is one-to-one. b) This is not one-to-one, since 6 is the image of both a and b .
 c) This is not one-to-one, since d is the image of both a and b .
12. a) This is one-to-one, since if $m_1 - 1 = m_2 - 1$, then $m_1 = m_2$.
 b) This is not one-to-one, since, for example, $f(3) = f(-2) = 10$.
 c) This is one-to-one, since if $m_1^2 = m_2^2$, then $m_1 = m_2$ (take the cube root of each side).
 d) This is not one-to-one, since, for example, $f(2) = f(4) = 2$.

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Xiang Xie



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Stability and Bifurcation Theory for Non-Autonomous Differential Equations Anna Capietto,Peter Kloeden,Jean Mawhin,Sylvia Novo,Miguel Ortega,2012-12-14 This volume contains the notes from five lecture courses devoted to nonautonomous differential systems in which appropriate topological and dynamical techniques were described and applied to a variety of problems The courses took place during the C I M E Session Stability and Bifurcation Problems for Non Autonomous Differential Equations held in Cetraro Italy June 19 25 2011 Anna Capietto and Jean Mawhin lectured on nonlinear boundary value problems they applied the Maslov index and degree theoretic methods in this context Rafael Ortega discussed the theory of twist maps with nonperiodic phase and presented applications Peter Kloeden and Sylvia Novo showed how dynamical methods can be used to study the stability bifurcation properties of bounded solutions and of

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