P158: 9 (1) fog = f(g(x)) = (X+2)²-1 =X1+4x+3 90f = 9(f(x))= X2+1 1).上述活数两个函数都既得单射,也程满射 10.11) = \(\(\frac{1}{1}\)\(\frac{2}{1}\)\(\frac{1}{2}\)\(\frac{1} 7= f= [(1,2),(2,1),(3,4),(4,3)]. $f^2 = \{(1, 1), (2, 2), (3, 3), (4, 4)\}.$ $f^3 = f^2 \circ f = f = \{(1, 2), (2, 1), (3, 4), (4, 3)\}$ f= {(1,2),(2,1), (3,4),(4,3) fof 1 = {(1,1), (2,2), (3,3),4,4/1. (2).存在,川中村路的双射函数即满足条件 BPg= {(1,2), (2,1), (3,4), (4.3)} 12.11).根

B).是 杨维f:[0,1]->[a,b] f(x)=attox (b-a)x ta fix) E. Egio] 有如唯一 ye cand yyeta,b], #有如住Xelo,1], Xfy ig YXI, X E[OI] 1Bigof(x1)=f(x1)=> a+bx==1000 (b-a)x1+a=1b-a)xta 2) X = X --f 是軍射 YYE[a,b], =1X0E[0,1], Xofy - 千晃姦射 -. f是双射 ·· [0,1]与[a,b]等势,[0,1]公[a,b] P 213 7. H X, Y, ZEX (X*Y)*2= X *2 =X X + (&y + Z) = X xy = x : 满足粉律 XX y = X + YX y X= y · · 不满足交换律

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