24. GIVEN A RECURSIVE DEF OF;

a) THE SET OF ODD POSITIVE INTS

BASE CASE 165

RECURSIVE CUSE: If in es then not es

b) THE SET OF POSITIVE INT POWERS OF 3

BASE CASE: 3 E3

RECURSIVE CASE: If NES the 3n ES

C) THE SET OF POLYNDMIALS WITH INT COEFF.

BUSE CASE: OES

RECUESIVE CASE IF P(x) ES, then p(x) + cx ES, where cinez and nzo.

21. LET 5 BE THE SUBSET OF DEDUCED PAIRS OF INTS DEFINED BY.

a) Base case: (0,0) ES

RECUESIVE CUSE: If (a,b) & 6; then (a+2, b+3) &5 and (a+3, b+2) &5.

FIRST FIVE APPLICATIONS:

1. (2,3), (3,2)

2 (4,5), (5,5), (6,4)

3. (4,8), (7,8), (8,7), (4,4)

4. (8, 12), (9, 11), (10, 10), (11, 9), (12, 8)

5. (10,15), (11,14), (12,13), (13,12), (14,11), (15,10)