4:/

Disce te Mathematics

chample 103

Ex 1 8.2 & 3.5

Freihann = 1807

A1 =753

181 = 567

(ANB) = 299

1AUB) = (A1+1B)-(ANB)

= 753+567-299

|AUB| = 721 - Taking conses

Neither comise

(AUB) = 1807 - (AUB)

21807-72/

[AUD] = 1086

200

131=1232

IF1= 879

181=117

150F1=103

150R1= 23

1FOR = 14

[NOFUR] = 2092

ISDFAR1 = ?

18UFURI- UI+ (FI+(R)-(SNF)-(FNR)-UNR)+(SNFNR) 2092 = 1232+879+117-103-17-23+15NFNR1 (SNFNR) = 177

(997:7)=172 (99:11)=90 Exemple 10% ,990, 991, 192, 993 994, 996, 997, 998, 99 [AUB] = (A) + (B) - (ANB) (A) = 90 (+by 11) 181 = 172 (+ by 7) (: hy both 7' md 11') |AUB| = 90 +172 -12 ||AUB| = 220 an= and + land; a= 7, a, = 7 i ana Cian-it Caan-a an = d, l, + d, l, " # hac; 4=1 2.62=2 12-6,2-6,2 = 0 - 2- 2 = 0 2(2+1)-2(2+1)=0 (A+1)(2-2)=0 hote lange an = 6(2) + 6(2) \$ an= (1)(4) = x, + x, 7 = -x, + 2x 2.a,=

4=1,4=8 2+21-3n-6=0 2(1+2)-3(2+2)=0 a+2)(2-3)20. 1223 an = A, by toyly a = 4,(2)" + 1,(3)" 3 = 1, + 1 $a_1 = d_1(-3)^1 + d_2(3)^1$ b = -2 a, + 3 d = til) 6=-24,+343 da= 12/5 3 d, = 3/5 an = (3/5) (-2) "+ (12/5)(3)"

Theorem: 03 1-412-62= 0 (anadro" + 42 (n) 20") d an=6an-1-2an-2; na=1, a,=6 1-41-62=0 54=6, 62=9 1-61-9=0 1-32-31-9=0 (2-3) = 0 1 = 3 NUW! an= x, lo +x/x, an = x, (3) + x (3) an = x1 togs 12 dilated -d) 6 = 3x, +3x, -(i) siclaring (i) and (ii) (ii) = 3+3d3 3 = 3 d2 murpoul; An = (1)(3) + (1)(n)(3)

12 an=0, 9,=+, n- Tan-1 +12an-2 =0 ; n22 an = Fany - 12an-2 1,=7, 5=-12 hereful; 12-412-620 えーカレナノスコレ 12-31-71+12=0 1(1-3)-7(1-3)=0 B-3) (2-7) = 0 $a_{n} = x_{1}(3)^{n} + d_{2}(7)^{n}$ 10 = d, + d, - i) -1 = 3x, +7x, -(i) solving () and (ii) (1) => 0= 3x/ +3x2 -1 = 3/x, + 7x2 +1= -31 人名二年 3 人二年1 an = (1)(3)" + (1)(1)"

19 Ro=1, Ax=1 per ny3; an + 2an-1 - 15 4=-2, 4=15 Resexule; 1+2L-15 2 0 12-32+22-15=0 2(2-3) +5(2-3) = 0 (1-3)(1+5)20 2,=3 1 =-5 NOW ; an= 4,2, + 4,22 an = 2 (3)" + 02 (-8)" 106= x, + dy -0) 1 = 3d, = 5d2 -(ii) 1 serving (i) and (ii) (1) = 3= 3/1+3/2 1=82,-52 2 = Bx2 12 = 14 = 3/4 an = (3/4)(3) + (1/4)(-5)