D_1 D_2 D_3 Q_2
Sol. 02 2 4 0 14
03 3 6 7 4
bj 9 10 11
i) North-West (orner Rule
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
0, 0, 12
02 2 7 9 70 14(7)(0)
03 3 6 44 4(0)
bi 9 10 11
(0) (7) (4)
no of hasic variables (m+n-1) = 3 + 3-1=5
$\lambda_{11} = 9$, $\lambda_{12} = 3$, $\lambda_{23} = 7$ $\lambda_{23} = 7$ $\lambda_{33} = 9$
(31 + 83) = 9x5 + 3x1 + 1x4 + 1x0 + 4x7 $= 45 + 3 + 28 + 28$
= 104
ii) Voyels Approximation Method (VAM) D, D2 D3 9;
0, 5 1 8 12(4)
b. 11/0
02 2 14(2)(3)
03 3 6 7 4 (3)
bj 9(1) 10(3)11(7)

D_1 D_2
0, 5 10 1 12 (4) (2)
02 2 4 15 3 (2)
03 3 6 4 (3)
9 10
(1) (3)
D 1
0, 25 2 (0)
02 32 3 (0)
0, 43 4 (0)
a .
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
7 1 21 23 23 23 23
02 3 2 4 0 4
03 413 6 7 4
bi 9 10 11
ha of Junible bissic variables = (in +n-1) = 5
(ost of som = 2x5+10x1+3x2+11x0+4x3 = = 10+10+6.+12
= 38