

## POORNIMA

## DETAILED LECTURE NOTES

PAGE NO. ....

|  | •      |   | PAGE NO   |    |
|--|--------|---|---|----|
| Distance vector R  | outing | , (M)   | Dest Dist Ner<br>NI D NI<br>N2 N2 N2<br>N3 00 - | it |
| Example  Dex Dist Next  N1 20 N2  N2 3 N2  N2 N1-  | 3      | N Dest   Dist   Ne  | Ny   00   -  <br>  N5   00   -                  | '  |
| $ \begin{vmatrix} N_1 \\ N_3 \\ N_4 \\ N_5 \end{vmatrix} $ $ \begin{vmatrix} N_2 \\ N_4 \\ N_5 \end{vmatrix} $ $ \begin{vmatrix} N_5 \\ N_4 \\ N_5 \end{vmatrix} $ | ,      | $ \begin{array}{c cccc} N_1 & O & N_2 \\ N_2 & O & N_3 \\ N_3 & O & N_3 \end{array} $ | 2   |    |
| Nu man   | 2      | N3<br>Dest/Dist/Next  |   |    |
| Dest Dist Nent<br>N1 2 2 N3<br>N4 0 N4<br>N5 4 N5  |        | Dest Dixt N2<br>N1 6 N2<br>N2 0 N3<br>Ny 2 N4<br>NS 20 -                              |   |    |

updated Routing table At NI

NI Mary all routing tables updated.

N, -> N2 and N27N2 1+0=1 NI > N2 and N2 -> N3 1+6 N, -> NY  $W_1 \rightarrow N_2$  and  $N_2 \rightarrow N_y$   $1 + \infty = \infty$ 

At N5

| INL      | Ny       |
|----------|----------|
| 11       | ∞        |
| 0        | $\infty$ |
| 6        | 2        |
| $\infty$ | 0        |
| 3        | 4        |

| Dext<br>N1<br>N2<br>N3<br>N4<br>N5 | Dist 4 3 6 4 0 | Next<br>N2<br>N2<br>N4<br>N4<br>N4<br>N5 |
|------------------------------------|----------------|--|
|------------------------------------|----------------|--|

N5 > N, 1 = 4 N5 > N, 1 = 4 N5 > N2 and N2 > N, N5 > N4 and N4 > N, 4 + 00 = 00

No > Ny Ny Ny Ny Ny 3) N5 > N2 1 N2 > N4 3 +00 = 00