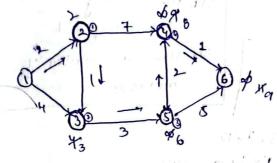
Lecture # 17

-> Circedy Algorithm

Dijkstra Algorithm - Single Sourch Shortest



1 2 4 86 Vertix

Edge d[u] Cost(u,v)

Decause of min weight - can update multiple times. - once we prek a verte cannot again pres.

- Follow path with min weight for first vertice.

- we will pick that ' vertex which have min unight.

Updation (ourflow)

if (d[v] + cost[u,v] < d[v])

d[v] = d[v] + cost[u,v]

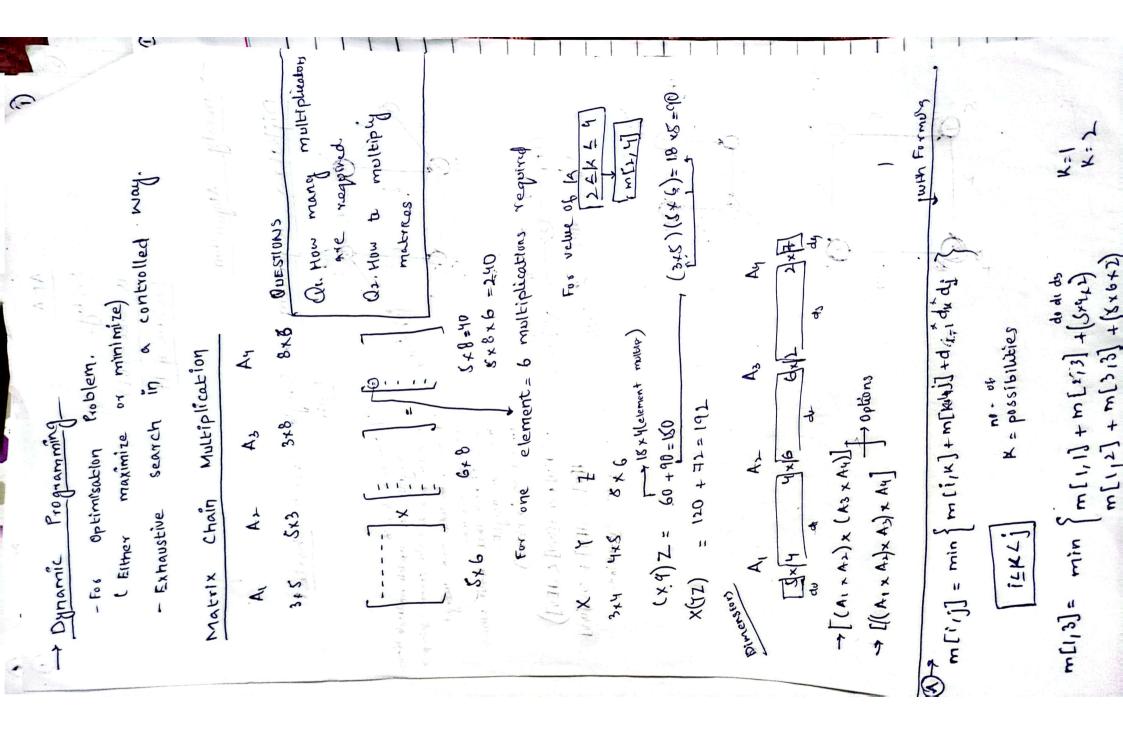
-> consider only autlink ...

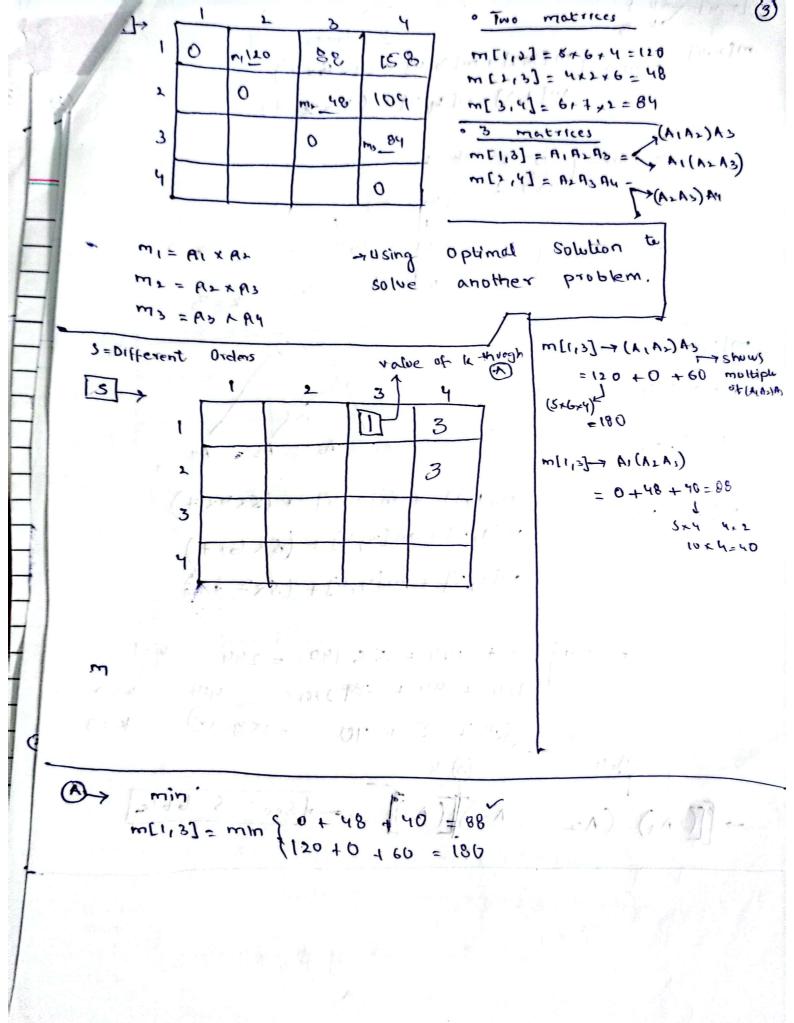
3 3 3 0 -10 5 -10 5 2 0 0 1

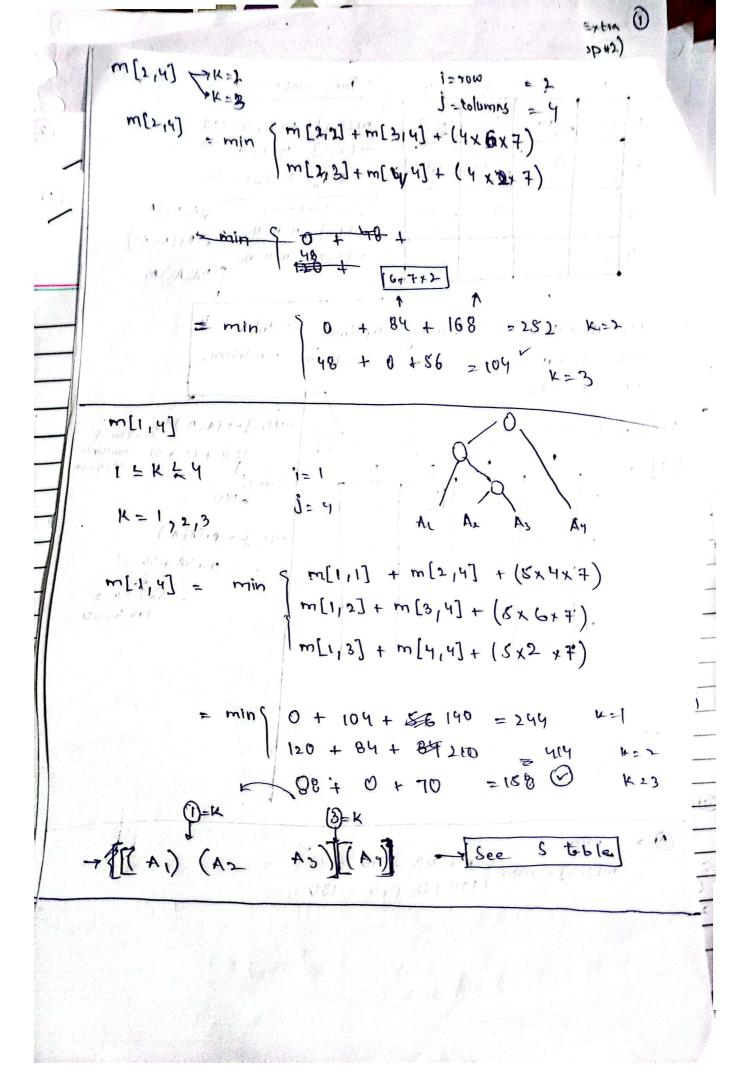
1 [(A = (A + (A + A))] .

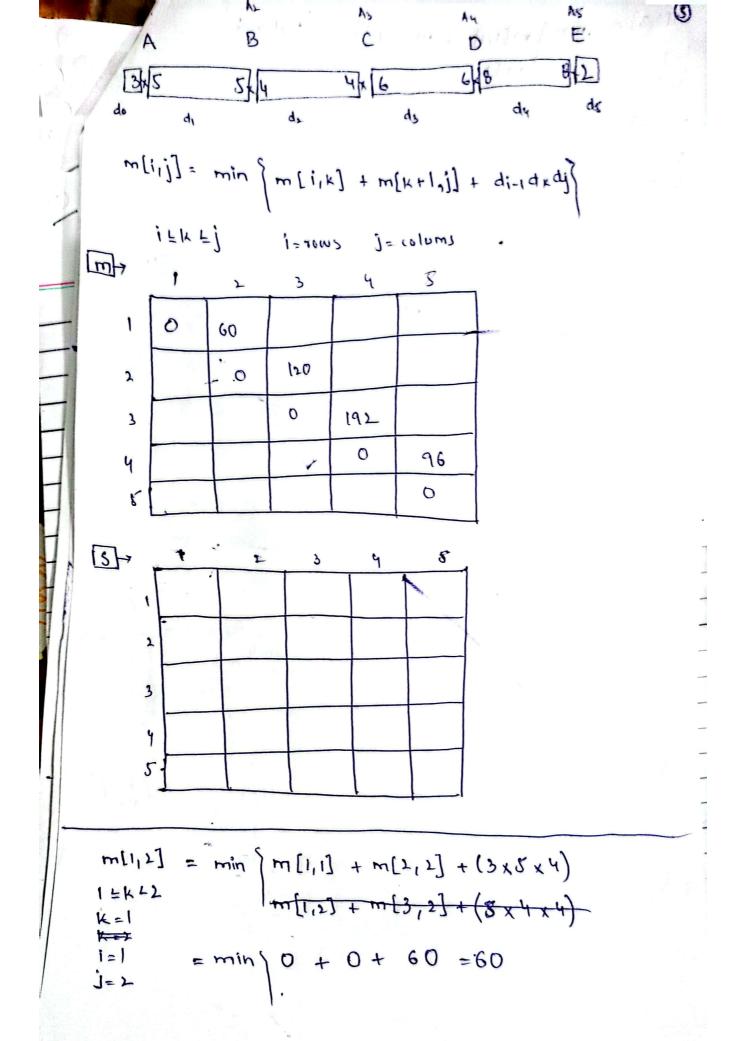
Modern + [x il m frim + [] in

Carely frequentially and









m[1,3] = .mm g m[1,1] + m[2,13] + (3x5x6) mei 1=1 1=3 1 EK L3 Spectagle + Bolosom + Existing From + Epilon K=1 K=2 (rx 2x e) + [1,1]m + [1,1]m | pim = [1,1] 08-08 +0 +