## Input Parameters:

N: ni of Machine for sale

c: no of dellars at start of Beriod

D: Planning Period

Di: day on which the M/c is for Sale

Pi : ewochasing Ruice

R-i: Reselling Perice

Gi: Perofit Per day

## Rublem approach

a. I have created a network
with sinh and source including
N (no of M/c) with ascending order
day of availabilty of M/c.

b. Let suppose source is a virtual

M/c with

c. Let suppose sint is a virtual M/c with

**A A** .

$$Cij = (-P_i + R_i + max(D_j - D_i - 1, 0) * G_i - P_j$$

(iii) When 
$$i = 1 \dots N$$
 and  $j = Sinb$ 

(v) when 
$$i \ge d$$

$$Cij = -10000$$

Now we have a Matrix of

Size (N+2, N+2)

Source

Cij

1

## Model formulation

Subject to :

\* Above formulation become shorest

Path Rublem between source and Sinb.

## Salution Strategy.

- 1. we have a directed graph with negative/positive weights on the edges with single source.
- 2. I'm choosing Floyd-worshall algo for solving this Recoblem.