Traveling Salesperson broblem using Dynamic brogramming to that -> tay out all possible of Solution and pick up the best one.

Traveling problem consists of salesman and a set of Cities.

Traveling peroblem consists of Salesman cond

Here we have to find out the person who is travelling all the cities be the final that the cost of the cities is Minimum.

The balesman has to visit each city starting from thome and returning to the same city (i.e. Home)

Main Challenge:

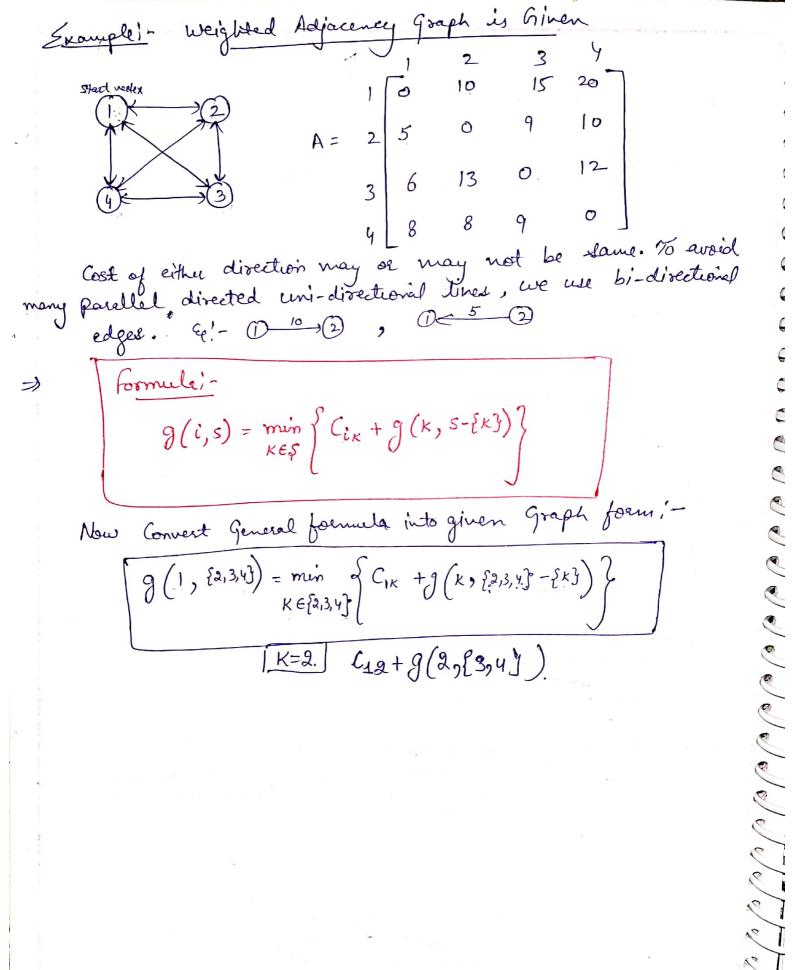
The person wants to minimize the total length of the trip. (or we say that minimum cost of towardling)

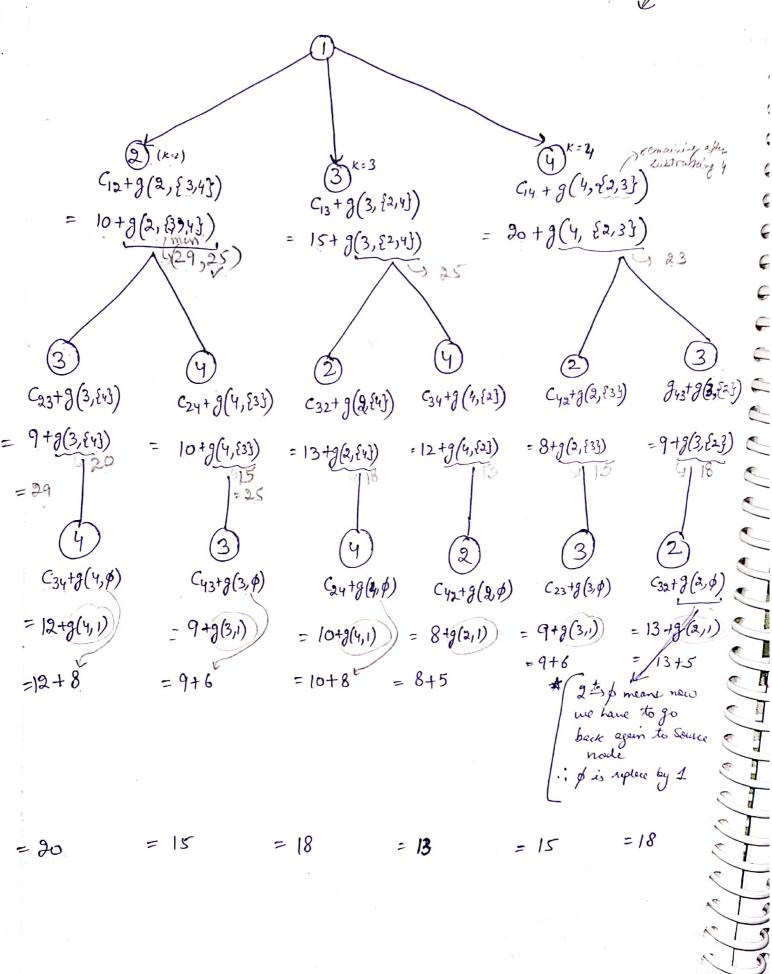
) If visiting own city -> the towelling cost is Zero"

cie. starting and ending place => Cost is "Zero"

Contraction of the same

1





The last way
$$g(x, \phi) = 5$$
 $g(x, \phi) = 6$
 $g(x, \phi) = 8$

$$g(x, \phi) = 8$$

$$g(x, \phi) = 8$$