Input: n = 4, edges = [[3,1,2],[3,2,3],[1,1,3],[1,2,4],
[1,1,2],[2,3,4]]

Type 2 Type 3

type u v	Alice	в.ь
~3 1 2		
✓3 2 3	75	1 ~ ~
× 1 1 3	2 3 4	2 3 4
V 1 2 4	ca = 4	Cb = 4
1 1 2		20 - 9

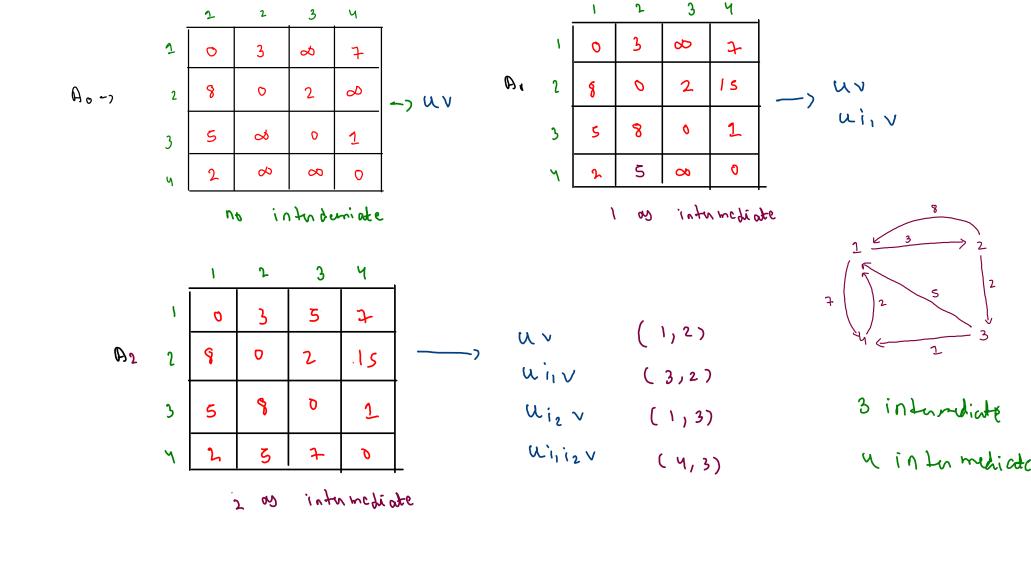
(i) Priority -> type 3

remove = 1+2

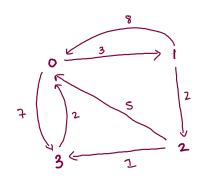
رآآ)

Dsv

Flogd warshall : (i) all pairs shortest path. (ii) DP based. (iii) - ve edge wt. Adjacuncy matrix A 0 -7 ∞ ∞ Ч



	_	O	1	2	3
	6	0	3	-	7
A o ->	J	©	O	2	1
	2	5)	ī	0	7-1
	3	2	1	-1	0



//to select an indermediate
<pre>for(int k=0; k < matrix.length;k++) {</pre>
//to select a src
for(int u=0; u < matrix.length;u++) {
//to select a dest
for(int v=0; v < matrix.length;v++) {
if(u == v u == k v == k matrix[u][k] == -1 matrix[k][v] == -1) {
continue;
}
<pre>else if(matrix[u][v] == -1 matrix[u][k] + matrix[k][v] < matrix[u][v]) { matrix[u][v] = matrix[u][k] + matrix[k][v];</pre>
}
}
}
<u> </u>

	6	l	2	3
0	0	3	1	4
(8	0	2	15
2	5	8	0	1
3	2	5		0

K=0

Alien dictionary

wrt wrf er ett rftt

(i) graph

wit, wif, ex, ett, ritt

t < 1 r < t r < t < F

W<e<x

(ii) topological sort

w < e < r < t < 1

wit, wif, er, ett, ritt

Hashmap < Chan, Array list < char>> graph; wit wis westp