

C	A	В	С	D	E	F G
ABCDL	8	9	O	3	6	0000

[initial step: only kne own neighbor]

Note:

1° If not sepecified, the nexthap is direct to itself

2° If the distance vector changes, we circle it

3° We only list connectable neighbor point in distance vector

Second Herotion: A A B C D F F G A 0 12 8 11 14 \$\infty \text{22} B 2 0 9 1 \$\infty \text{00} 10 C 8 9 0 3 6 \$\infty \text{00}\$

C	'
Α	0 12 8 00000 12 09 1000 10 8 403667 00 130434 00064030
В	12 09 12020 10
C	8 403667
P	D 13,0434
E	00064030

	A BC DEFF
С	8 9 0 3 6 00 00
D	PO 130434
E	14564035
F	8 9 0 3 6 000 1 3 0 4 3 4 14 5 6 4 0 3 5 14 5 6 4 0 3 5 14 5 6 4 0 3 5

DOBE
A B C D E F G
12 0 9 1 9000 10
00003302
12 0 9 1 900 10 10 1 3 0 4 3 4 12 5 7 4 5 2 0

	PUDD
B	A B C D E F G
Α	D (2 8 000000 12 D 4 1 5 4 5
3	12041545
C	8 9 0 3 6 00 00 10 13 0 43 4 10 10 10 10 10 2 0
P	PO 130434
G	9010904820

D	C A B C D E F G
В	12 0 9 1 0 00 10 8 9 0 3 6 000 (1 1 3 0 4 3 4 (2 00 6 4 0 3 20 00 00 3 3 0 2
C	89036000
P	130434
ין ת	10064036
Ĺ	00003302
9	00004020

F	ABCDEFG
DHHP	0 1 3 0 4 3 4 0 0 6 4 0 3 6 0 46 3 3 0 2 0 0 0 0 4 0 2 0

Note:

- -Blue means updated value
- Red Charater means nexthop

Third Heration: A A B C D E F G A 0 128 11 14 14 15 B 2 0 4 1 5 4 5 C 8 4 0 3 6 6 7

В	A B C D E F G
	0 12 8 11 11 0 52
A P	10 12 1114 (X) 12 14 10 14 15 14 C
C	8 4 0 2 1 6 7
P	11 1 3 0 4 3 4
G	0 12 8 11 14 ∞ 12 12 10 0 4 1 5 4 5 8 4 0 3 6 6 7 11 1 3 0 4 3 4 22 5 7 4 5 2 0

	A B C D F F G
BCDUFF	1041545 8403667 (1130434 4564035 20463302 12574520

	A BC DEFG
மாய்	11 1 3 0 4 3 4 14 5 6 4 0 3 5 14 4 6 3 3 0 2 12 5 7 4 5 2 0

Note:

- -Blue means updated value
- Red charater means nexthop

A A B C D F F G A O 12 8 11 14 14 15 B C O 4 1 5 4 5 C 8 4 0 3 6 6 7 C A B C D F F G A 0 12 8 11 14 14 15 B C O 4 1 5 4 5 C A B C D F F G A 0 12 8 11 14 14 15 B C O 4 1 5 4 5 C 8 4 0 3 6 6 7 D (1 1 3 0 4 3 4 E 14 5 6 4 0 3 5

E	CA	BC DEFG
ا م 0	8	403667
E	14	4 0 3 6 6 7 1 3 0 4 3 4 5 6 4 0 3 5 4 6 3 3 0 2

6	DOD F ABCDEFG
D	10 4 15 4 S
D	11 13 0 4 3 4
٦	14 4 6 3 3 0 2
٢	155 7 45 2 0

All 7 distance vector converge, the algorithm ends

В	A B C D E F G
A BC DG D	0 12 8 11 14 14 15 & 0 4 1 5 4 5 8 4 0 3 6 6 7 11 1 3 0 4 3 4 15 5 7 4 5 2 0 C A B C D F F G
A BODULTS	A B C D E F G 1 0 4 1 5 4 5 8 4 0 3 6 6 7 11 1 3 0 4 3 4 14 5 6 4 0 3 5 14 4 6 3 3 0 2 15 5 7 4 5 2 0
F	A BC DEFG
DETE	11 13 0434 14 56 403 5 14 46 3302 15574520

Finally, we have T B.D. Es routing table: Table B

	1001	<u> </u>
Destination	Distance	Next Hop
A	12	A
В	O	3
C	4	D
D	1	D
E	5	D
F	4 5	D
Ğ	5	D

Table D						
Destination	Distance	Next Hop				
A	1/	С				
В	1	B				
C	3	Ć				
D	0	D				
E	4	E				
F	3	F				
G	4	G				

Toble E

Destination	Distance	Next Hop
A	14	С
В	5	D
C	6	C
D	4	D
E	0	E
F	3	F
G	5	F

(3) Update

CD from 3 to 30

A 0 12 8 11 14 14 15
B 12 0 4 1 5 4 5
C 8 4 0 10 6 6 7
D 11 1 3 0 4 3 4
E 14 5 6 4 9 3 S

D A B C D F F G

B 12 0 + 1 5 4 3

C 8 4 0 3 6 6 7

D 11 1 5 0 4 3 4

E 14 3 6 4 0 3 5

F 14 4 6 3 3 0 2

G 15 5 7 4 5 2 0

updates in B and D:

<i>ര</i> ്	В	A	B	0	D	E	F	G	_
9	A	0	(2	8	11	14	14	12	,
	В	12	0	6	1	5	4	2	
	C	B	4	0	3	6	6	7	
	D	11	١	5	0	4	3	4	
	G	15	2	7	4	14 5 6 4 5	7	0	

C B D F F G
B 12 0 6 1 5 4 3
C 8 4 0 3 6 6 7
D 11 1 7 0 4 3 4
E 14 3 6 4 0 3 S
F 14 4 6 3 3 0 2
G 15 5 7 4 5 2 0

B A B C D E F G

A 0 12 8 11 14 14 15
B 12 0 8 1 5 4 5
C 8 4 0 3 6 6 7
D 11 1 7 0 4 3 4
G 15 5 7 4 5 2 0

DABCDFFG

B (1 0 8 1 5 4 3
C 8 4 0 3 6 6 7
D (11 1 9 0 4 3 4 4 6 3 3 0 2
G (15 3 7 4 5 2 0)

B A B C D E F G

A 0 12 8 11 14 14 15

B 12 0 9 1 5 4 5 7

C 8 4 0 3 6 6 7

D 11 1 9 0 4 3 4

G 15 5 7 4 5 2 0

DABCDEFG

B 12 0 9 1 5 4 3

C 8 4 0 3 6 6 7

D 11 1 10 0 4 3 4

E 14 3 6 4 0 3 5

F 14 4 6 3 3 0 2

G 15 5 7 4 5 2 0

B A B C D E F G

A 0 12 8 11 14 14 15

B 12 0 9 1 5 4 5

C 8 4 0 3 6 6 7

P 11 1 10 0 4 3 4V

G 15 5 7 4 5 2 0

D	CA	В	B	D	5	F	G
B	12	0	9	1	2	4	5
c	8	4	0	3	6	6	7
D	11	1	10	0	4	3	4
E	14	3	6	4	0	3	S
F	14	4	6	3	3	0	2
G	15	2	7	30434	2	2	0

The mouting tables converge.

DV oxlyo stops

Finally, we have B.D's routing table

TableB

Dectination	Distance	Next Hop
Α	12	A
В	O	3
С	9	C
D	İ	D
E	5	D
F	4	D
G	5	D

Table D

Destination	Distance	Next Hop
Α	1/	C
В	1	B
С	U	(3
D	0	D
E	4	E
F	3	F
G	4	G