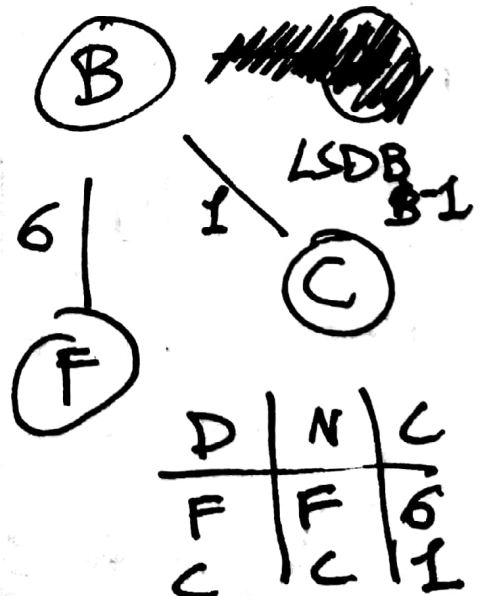
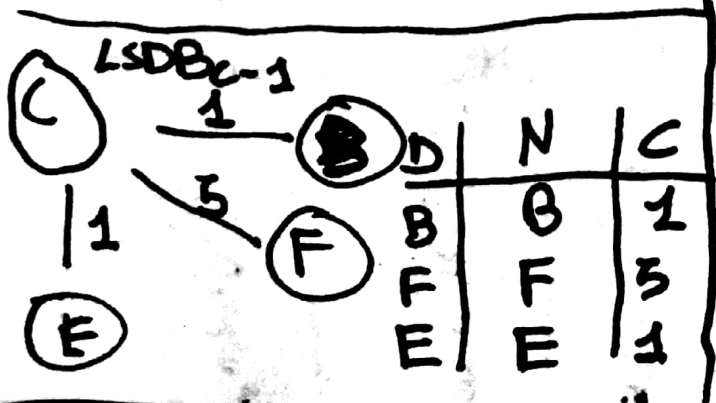
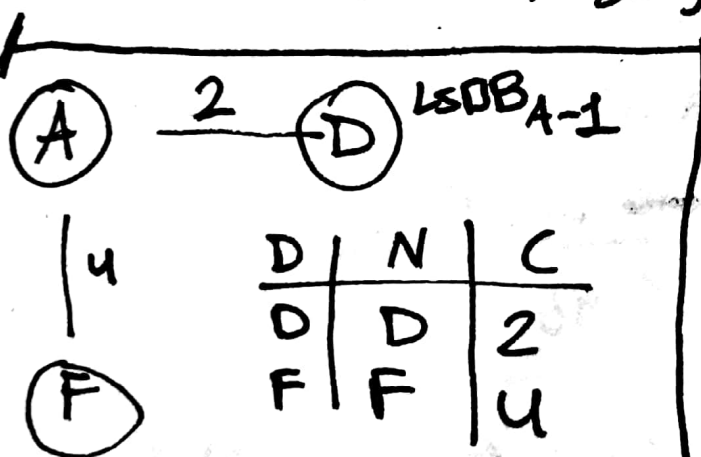


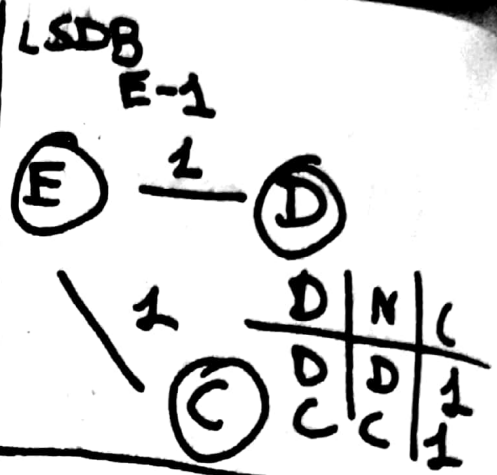
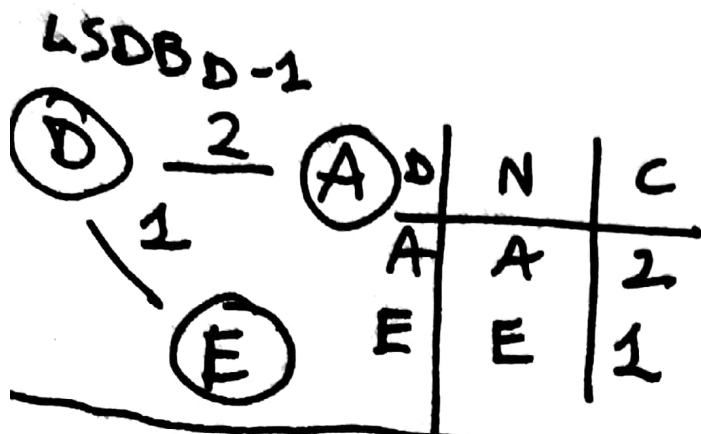
ISTANTE ~~TE~~ TEMPORALE PER CUI I NODI
AVRANNO CONOSCENZA DELLA RETE

IL NODO CHE PER PRIMO CONOSCERA' LA
TOPOLOGIA DELL'INTERA RETE

TABELLA DI E $\alpha T = 30s$

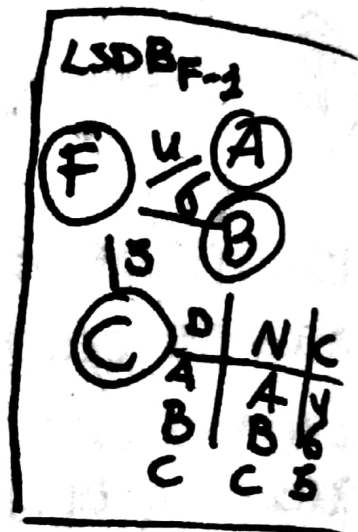
$T_p = 1ms$
 $T_e = 0$





vengono generati gli LSA (o LSP) e
vengono ricevuti dai diretti vicini
a $T = 1ms$

LSA	CHI	QUANDO
LSDB _{A-1}	F, D	1ms
LSDB _{B-1}	F, C	1ms
LSDB _{C-1}	B, F, E	1ms
LSDB _{D-1}	A, E	1ms
LSDB _{E-1}	D, C	1ms

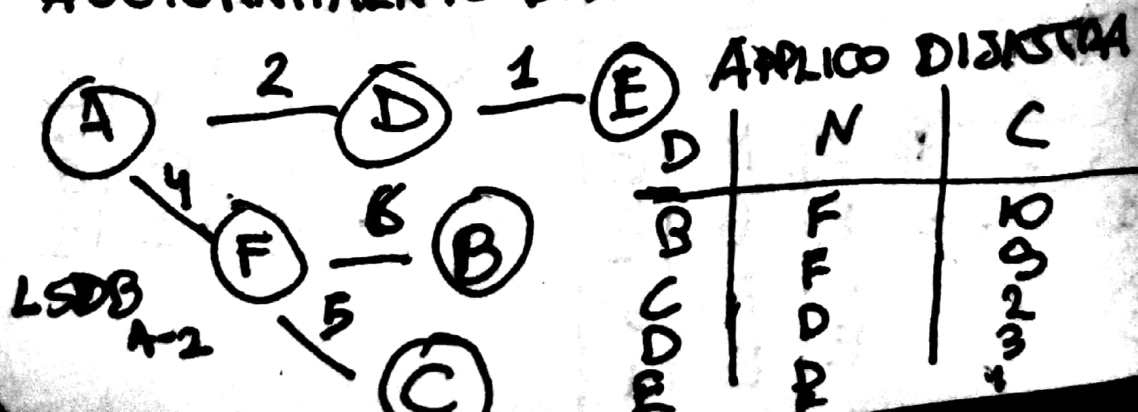


LA RETE E' SINCRONA POSSO ANALIZZARE
QUELLO CHE MI PARE

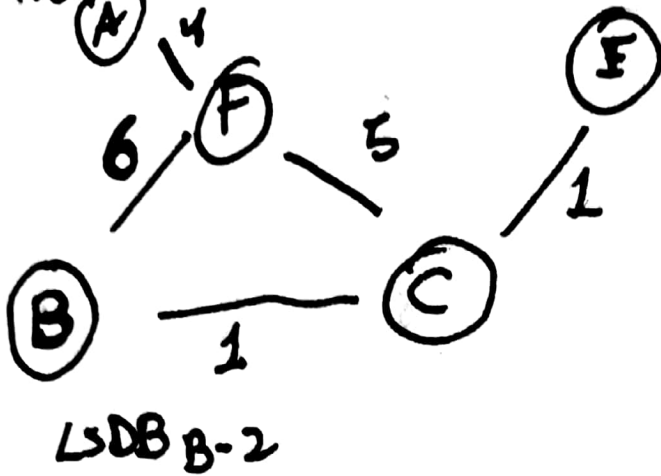
NODO A \rightarrow LSDB_{A-1} D-1 F-1

LSDB _{F-1}	A, B, C	1ms
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AGGIORNAMENTO DELLA ROPOLOGIA DI A



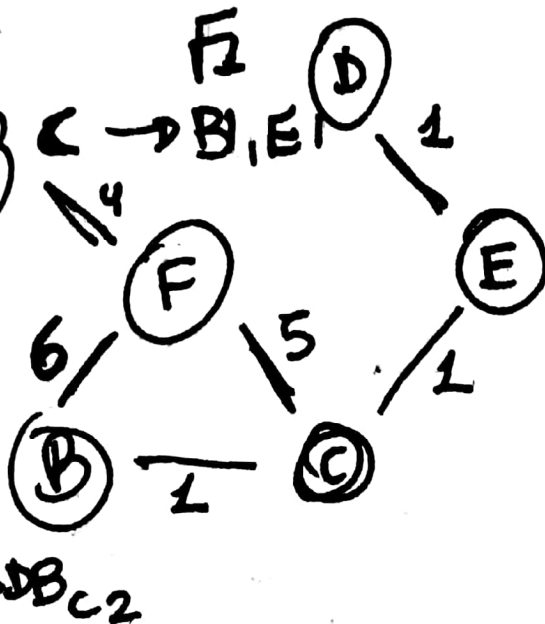
NODO B \rightarrow C1 F1



AGGIORNAMENTO TOPOLOGIA B

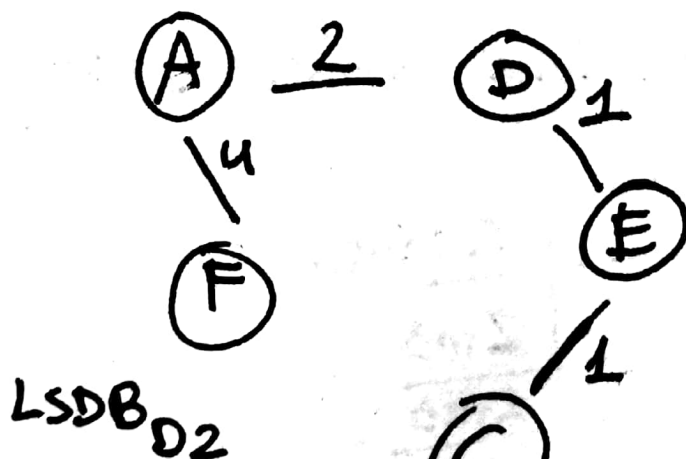
D	N	C
A	A	4
C	C	1
F	F	2
		6

NODO C \rightarrow B1 E1



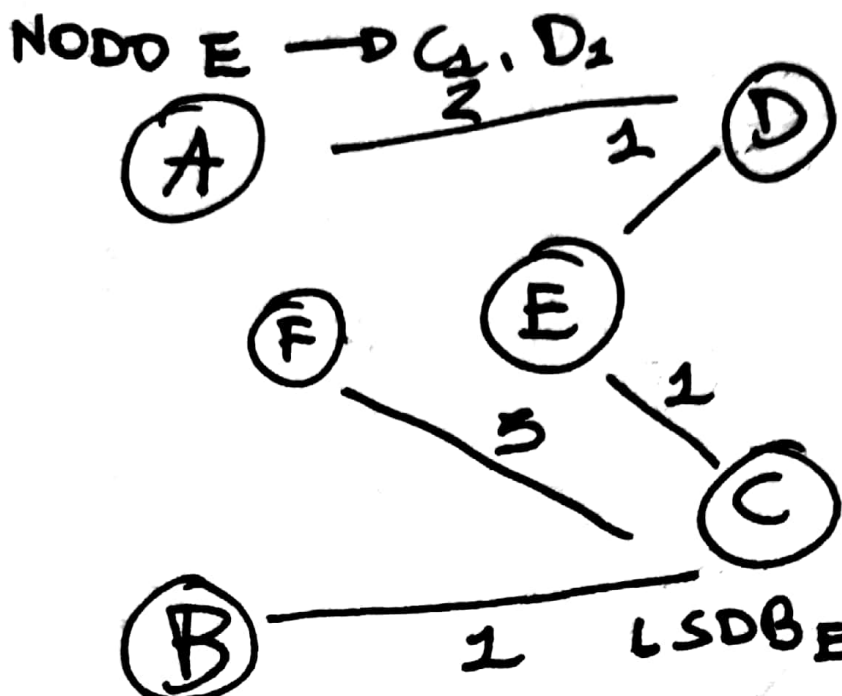
D	N	C
A	F	9
B	B	1
D	D	2
F	F	1
F	F	5

NODO D \rightarrow A1 E1

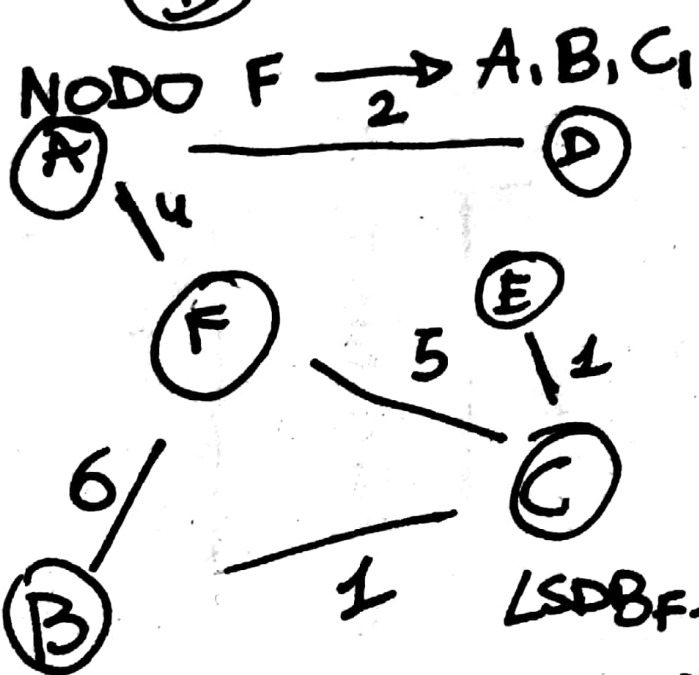


D	N	C
A	A	2
C	E	2
F	E	1
F	A	6





D	N	C
A	D	3
B	C	2
E	E	1
D	D	1
F	C	6



D	N	C
A	A	4
B	B	5
C	C	5
D	A	6
E	C	6

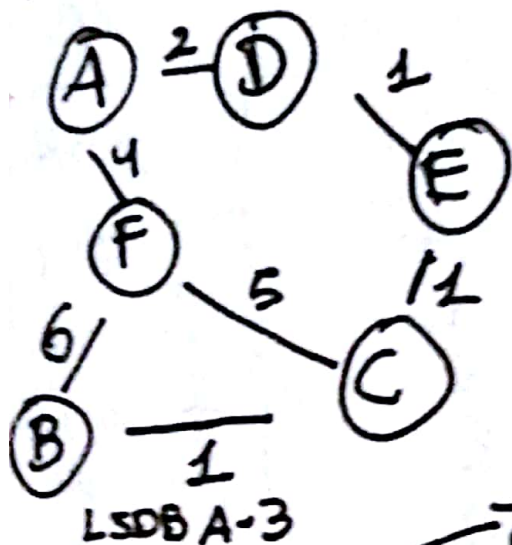
A TEMPO 2ms c'è ~~L'ARRIVO~~ L'ARRIVO DEL LSP-2

COSE	CHI	QUANDO
LSPBA-2	F, D	2ms
LSPBB-2	F, C	2ms
LSPBC-2	B, F, E	2ms
LSPBD-2	A, E	2ms
LSPBE-2	D, C	2ms
LSPBF-2	A, B, C	2ms

2° ROUND

$A \rightarrow D_2, F_2$

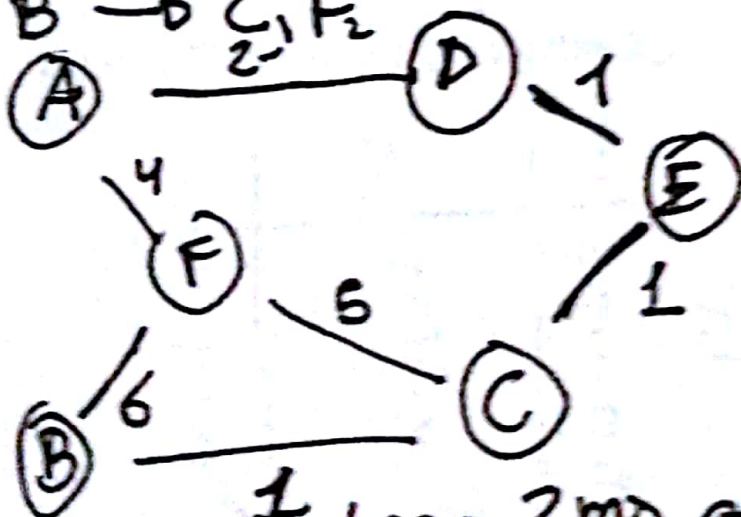
CONOSCE TUTTA LA TOPOLOGIA DELLA RETE



D	N	C
B	F	10
C	D	4
D	D	2
E	D	3
F	F	4

TABELLA DI ROUTING DEFINITIVA A $T=2ms$

$B \rightarrow C_1, F_2$

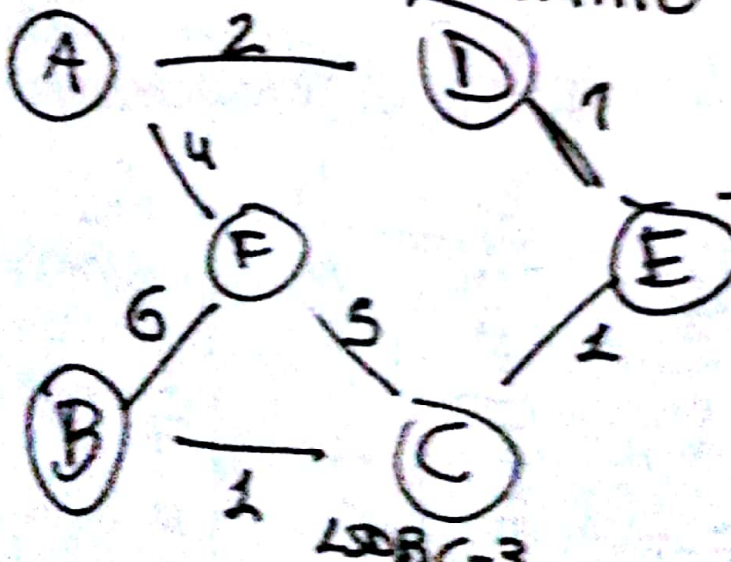


D	N	C
A	F	10
C	C	1
D	C	3
E	C	2
F	F	6

2ms CONOSCE L'INTERA TOPOLOGIA

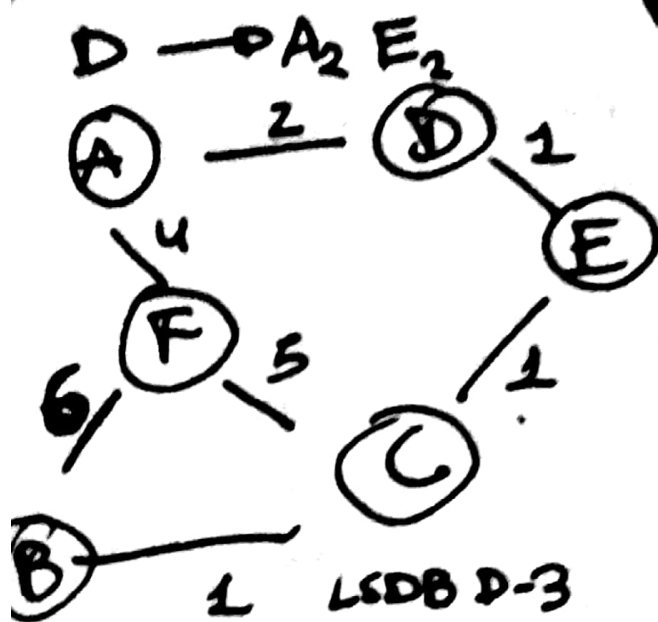
$C \rightarrow E, F, B$

RISULTATO TUTTA TOPOLOGIA



D	N	C
A	E	4
B	B	1
D	E	2
E	E	1
F	F	3

~~NON~~ CONOSCE ANCORA
L'INTERA TOPOLOGIA

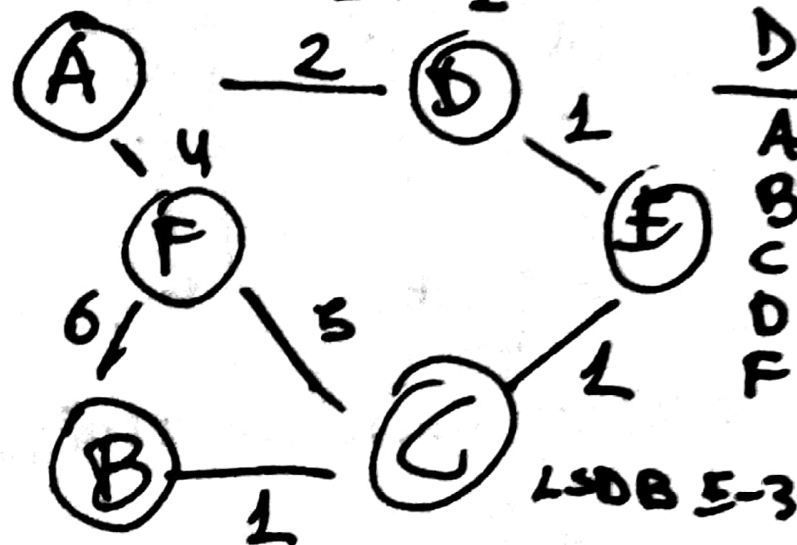


D	N	C
A	A	2
B	E	3
C	E	2
E	E	1
F	4	6

~~NON~~ CONOSCE TUTTA LA TOPOLOGIA

E \rightarrow C₂, D₂

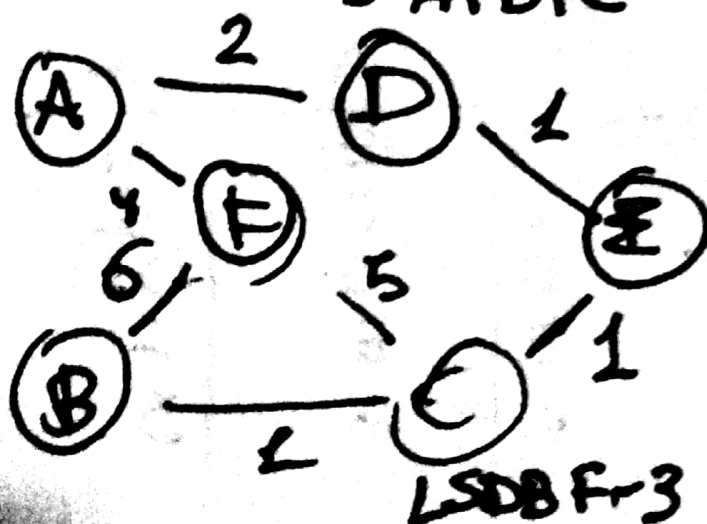
CONOSCO L'INTERA TOPOLOGIA



D	N	C
A	D	3
B	C	2
C	C	1
D	C	1
F	C	6

NODO F \rightarrow A, B, C

TUTTA LA TOPOLOGIA



D	N	C
A	A	4
B	B	6
C	C	5
D	A	7
E	C	6

LA TOPOLOGIA SARA' CONOSCIUTA INTEGRAMENTE
A $T = 2ms$ ~~per il link tra i nodi~~

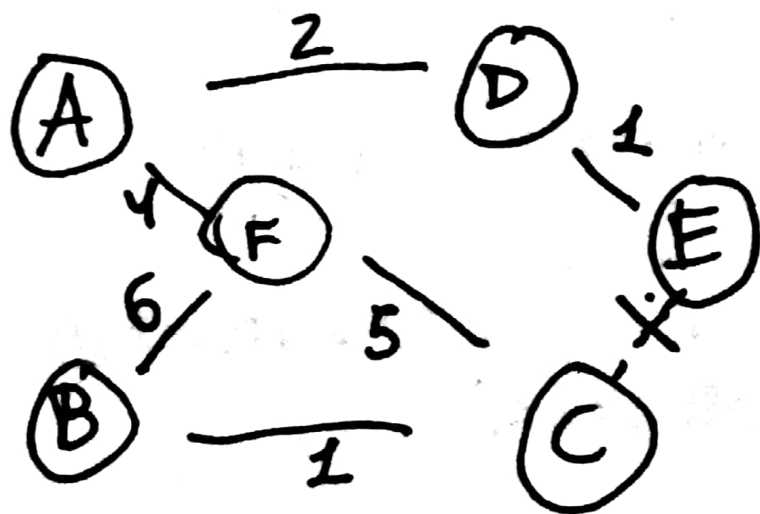
~~per il link tra i nodi~~
~~per il link tra i nodi~~

SUPPONENDO ORA CHE IL LINK TRA I NODI
E - C NON SIA DISPONIBILE MOSTRARE

1) LO SCAMBIO PROTOCOLLADE CHE PERMETTERA'
AL NODO A DI ACCORGERSI DEL CAMBIAMENTO
TOPOLOGICO INDICANDO L'ISTANTE TEMPORALE

2) LA TABELLA DI ROUTING DI A ALLA FINE
DELLE FUNZIONI PROTOCOLLARI

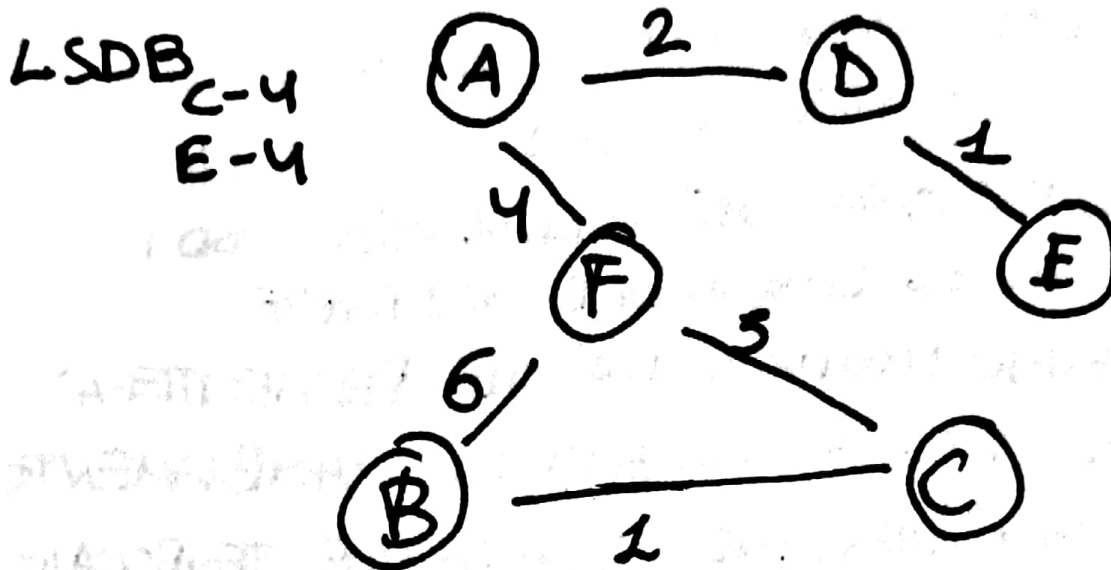
SUPPONIAMO CHE A T_2 MUORE IL LINK



PER ACCORGERSI DELLA CADUTA DEL COLLEGAMENTO
SERVONO 3 HELLO GREETINGS

A $T_2 + 90s$ E e C si accorgono della caduta
e del cambio della topologia per questo
ricalciano la loro tabella di routing e
inviando LSA

Per quanto riguarda i numeri di sequenza siamo arrivati a 3 tranne che per il nodo che sarà a 4



COSA	CHI	QUANDO
LSDB _{C-4}	F, B	$t_1 + 80,001s$
LSDB _{E-4}	D	$t_2 + 80,001s$

F, B, D GENERANO di nuovo LSA e lo inviano ai VICINI

A Riceverà a Tempo $t_1 + 80s + 0,002m$
i link state advertisement

LSA_{D-3}
LSA_{F-4} → VENENDO A CONOSCENZA DELLA CADUTA DEL LINK

CALCOLANO LA TABELLA DI ROUTING
DI A

STEP	N	B	C	D	E	F
0	A	∞	∞	2/A	∞	4/A
0	A	∞	∞	2/A	∞	4/A
1	A, D	∞	∞	--	3/D	4/A
2	A, D, E	∞	∞	---	---	4/A
3	A, D, E, F	10/F	3/F	---	---	---
4	A, D, E, F C	10/F	---	--	--	--
5	A, D, E, F C, B	---	--	-	-	-

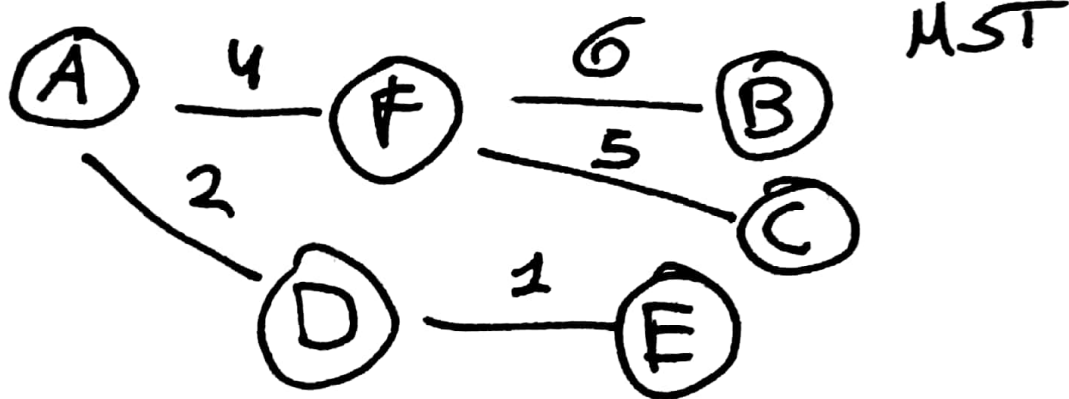


TABELLA ROUTING

DEST	NEXT	COSTO
B	F	10
C	F	3
D	D	2
E	D	3
F	F	4