

Ejercicio 1

Algoritmo POP

Enunciado

Dadas las siguientes acciones

A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

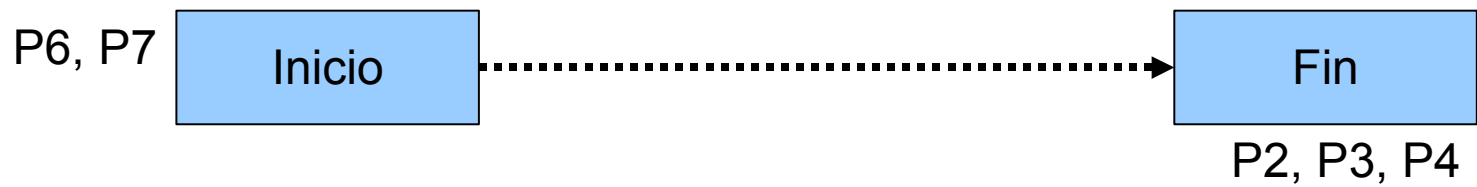
F

Pre: { P6 }
Efec: -P6, P2

y los datos:

Estado Inicial: { **P6, P7** }

Objetivo: { **P2, P3, P4** }



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

P6, P7

Inicio



Fin

P2, P3, P4



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

Pre: { P5 }
Efec: -P2, -P7, P4

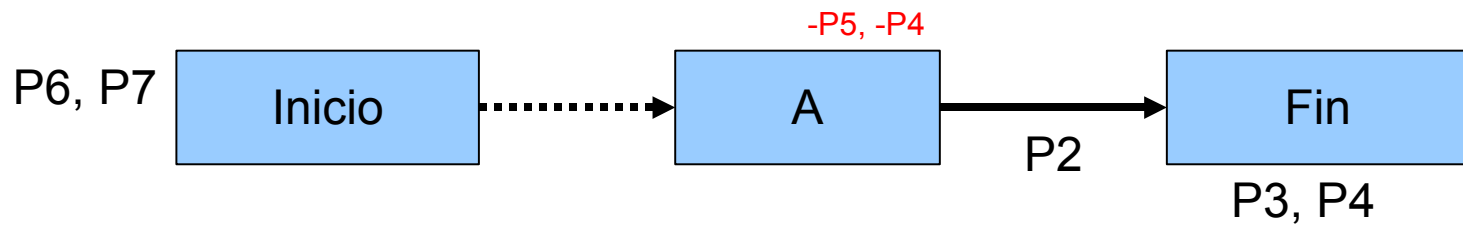
E

Pre: { P6 }
Efec: -P2, P3

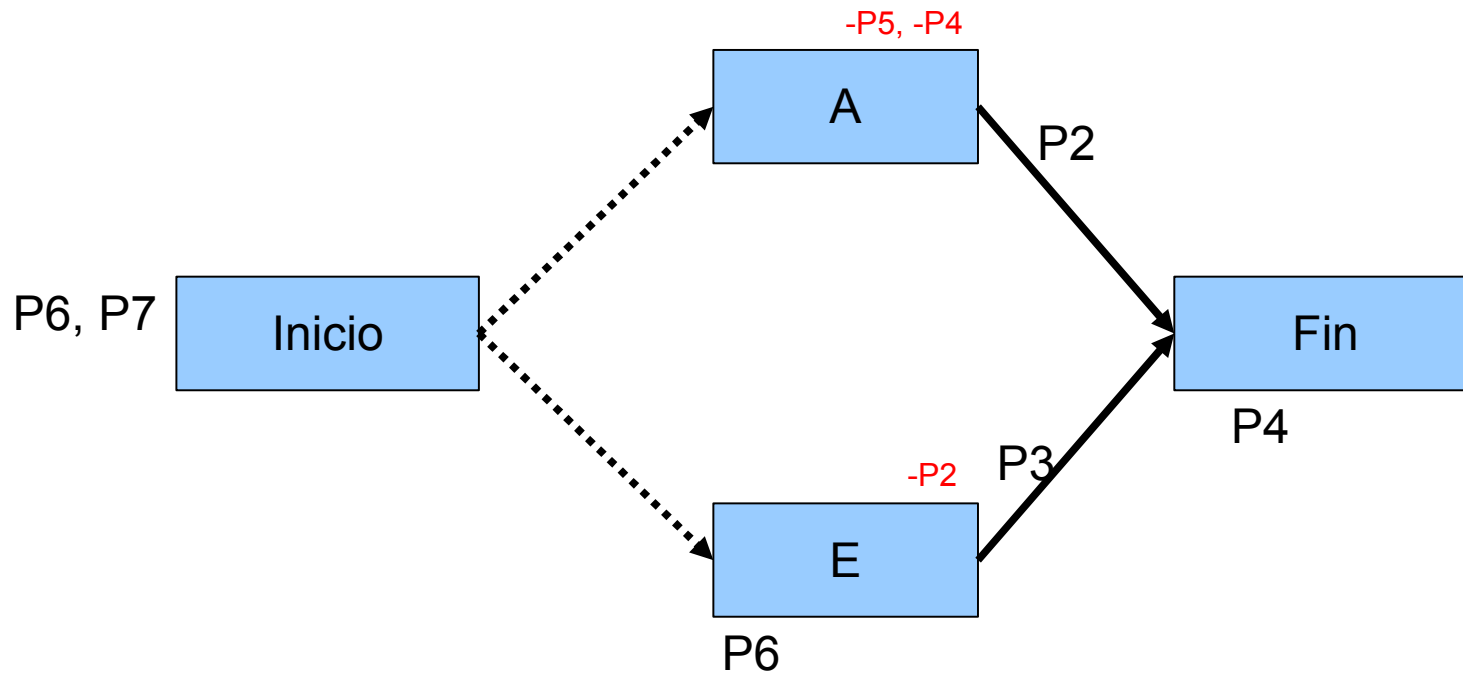
F

Pre: { P6 }
Efec: -P6, P2



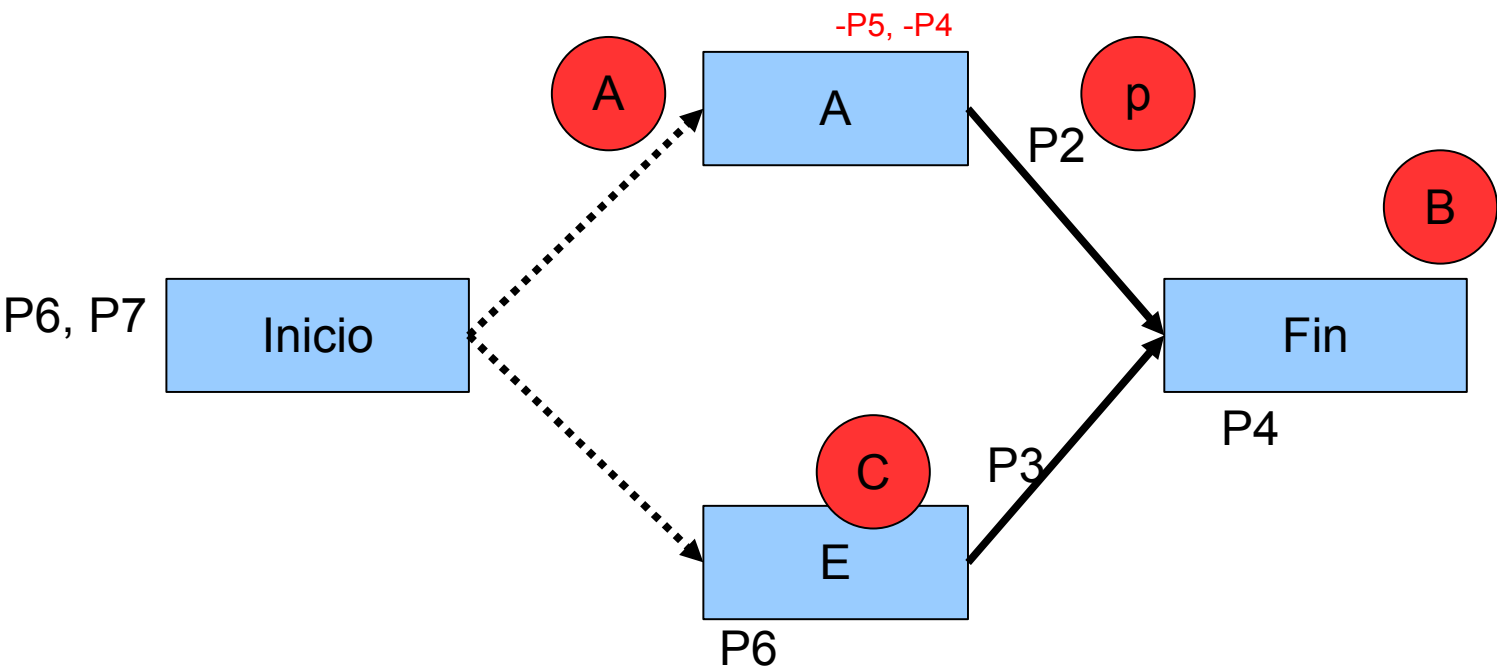


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



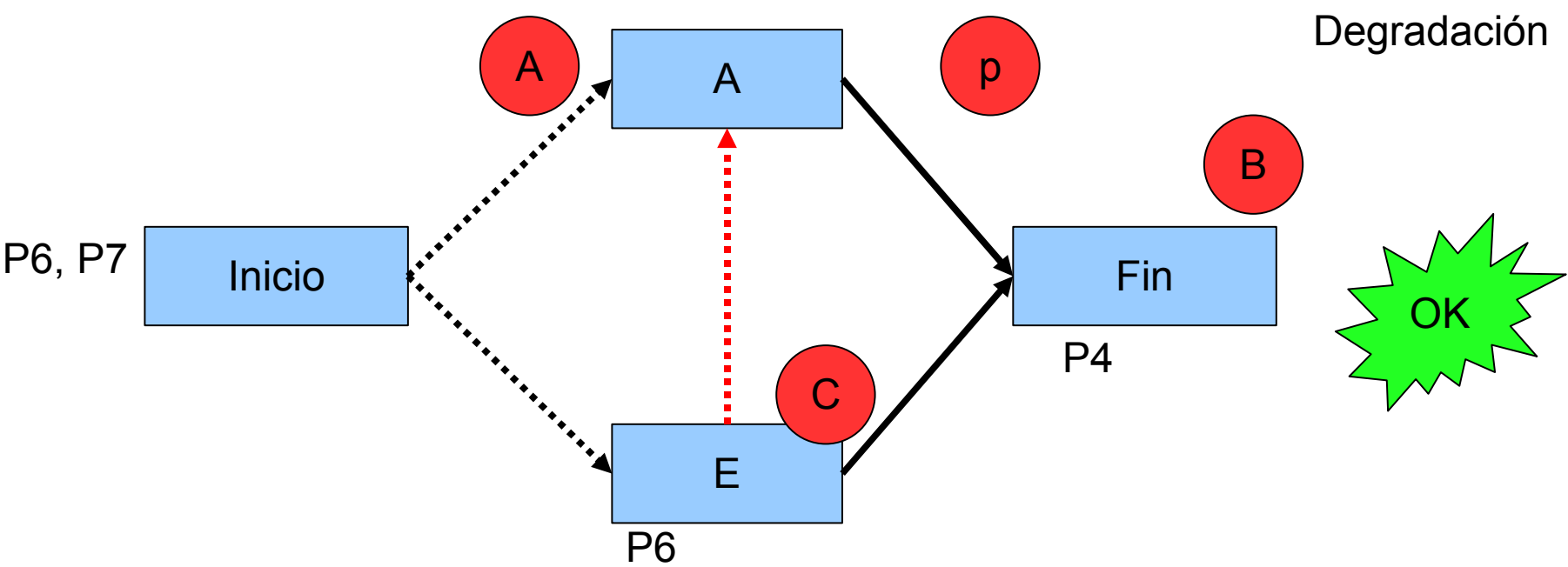
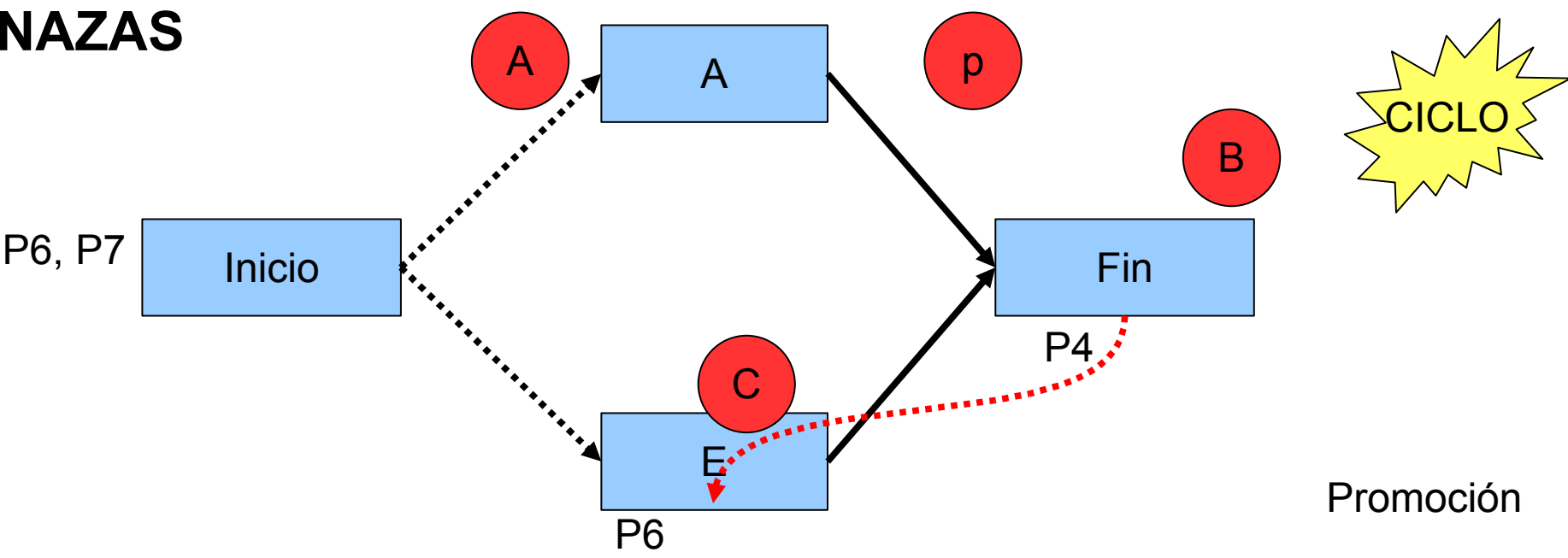
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZAS

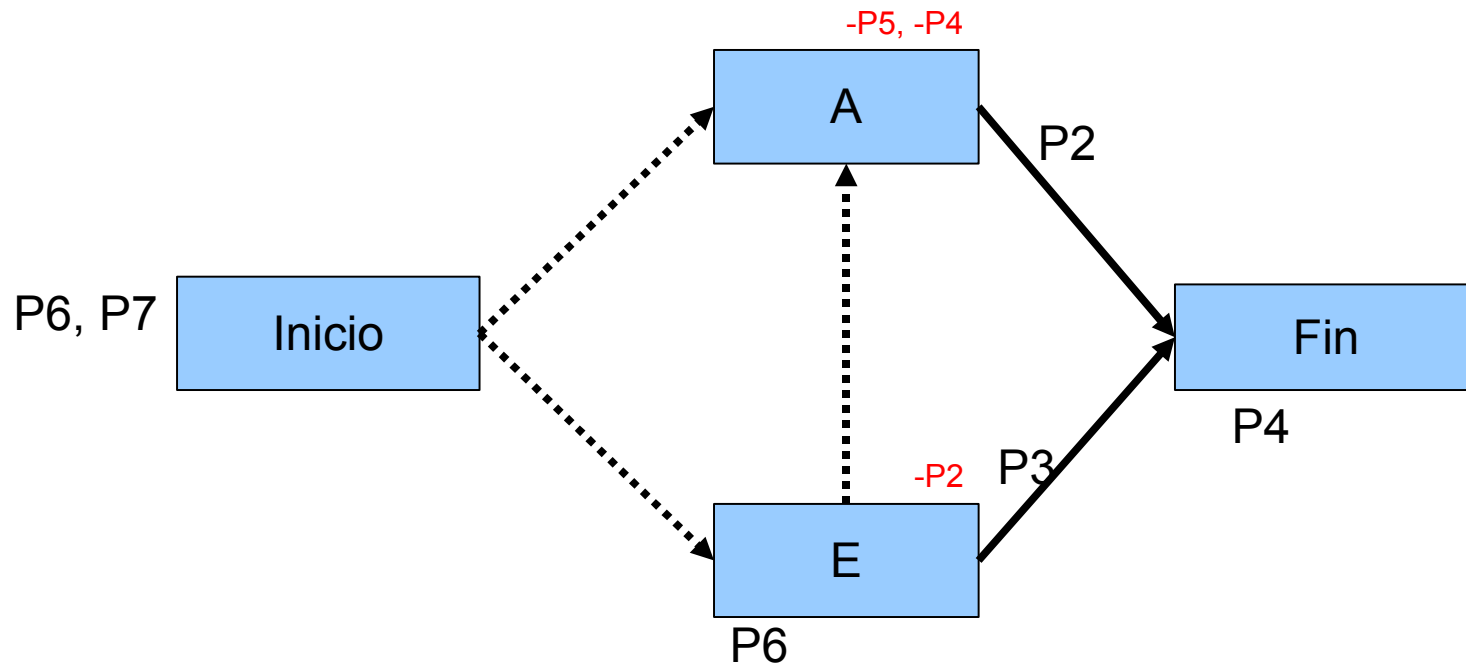


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

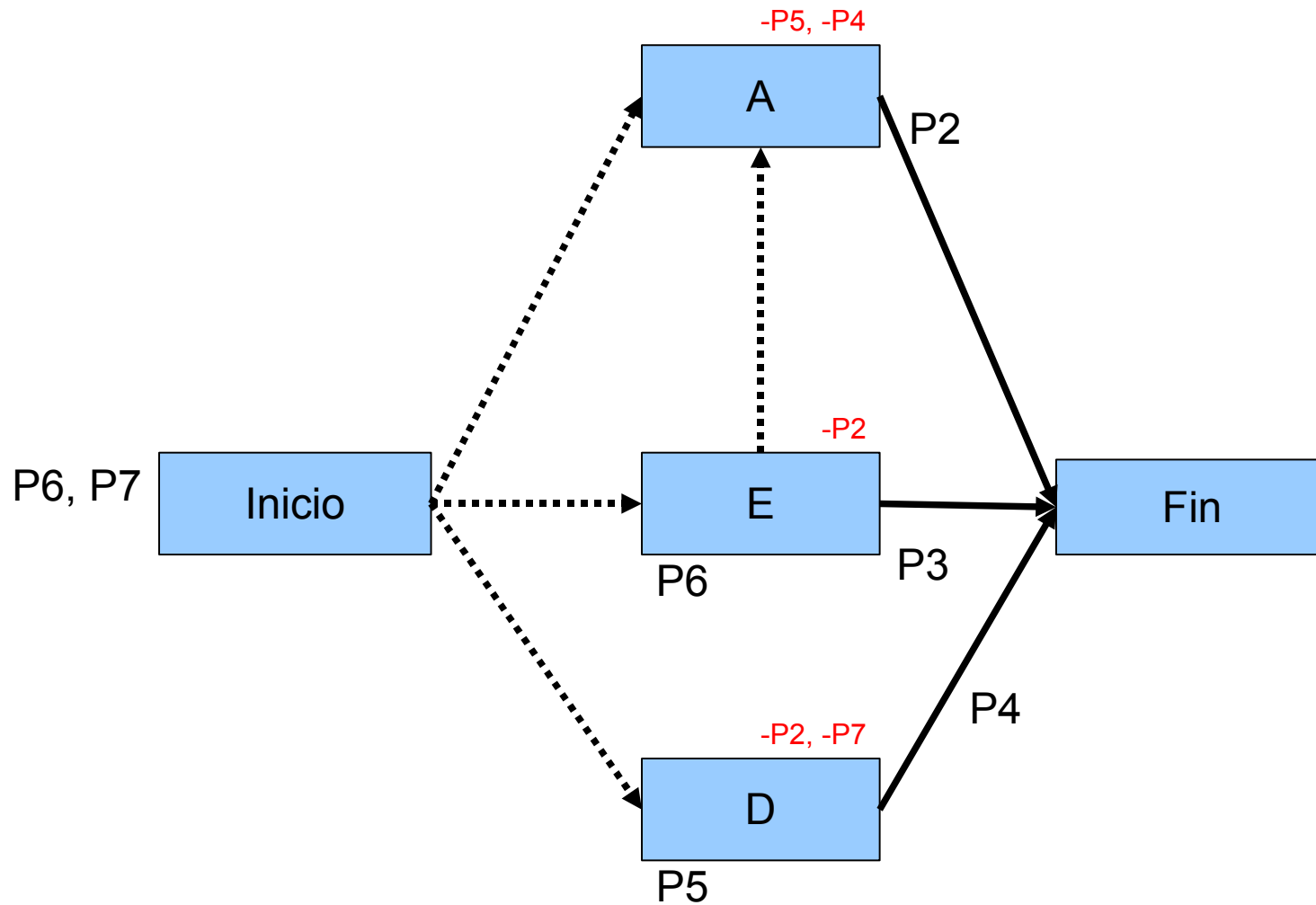
AMENAZAS



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



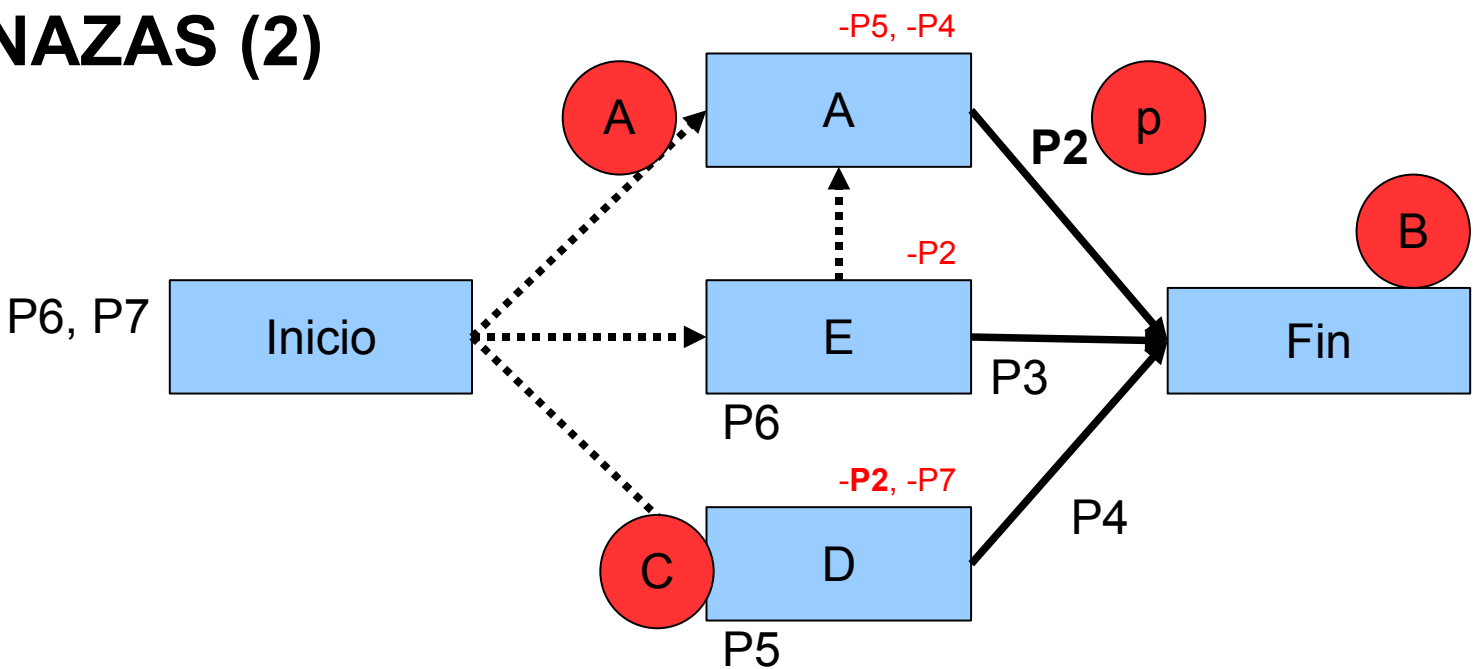
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



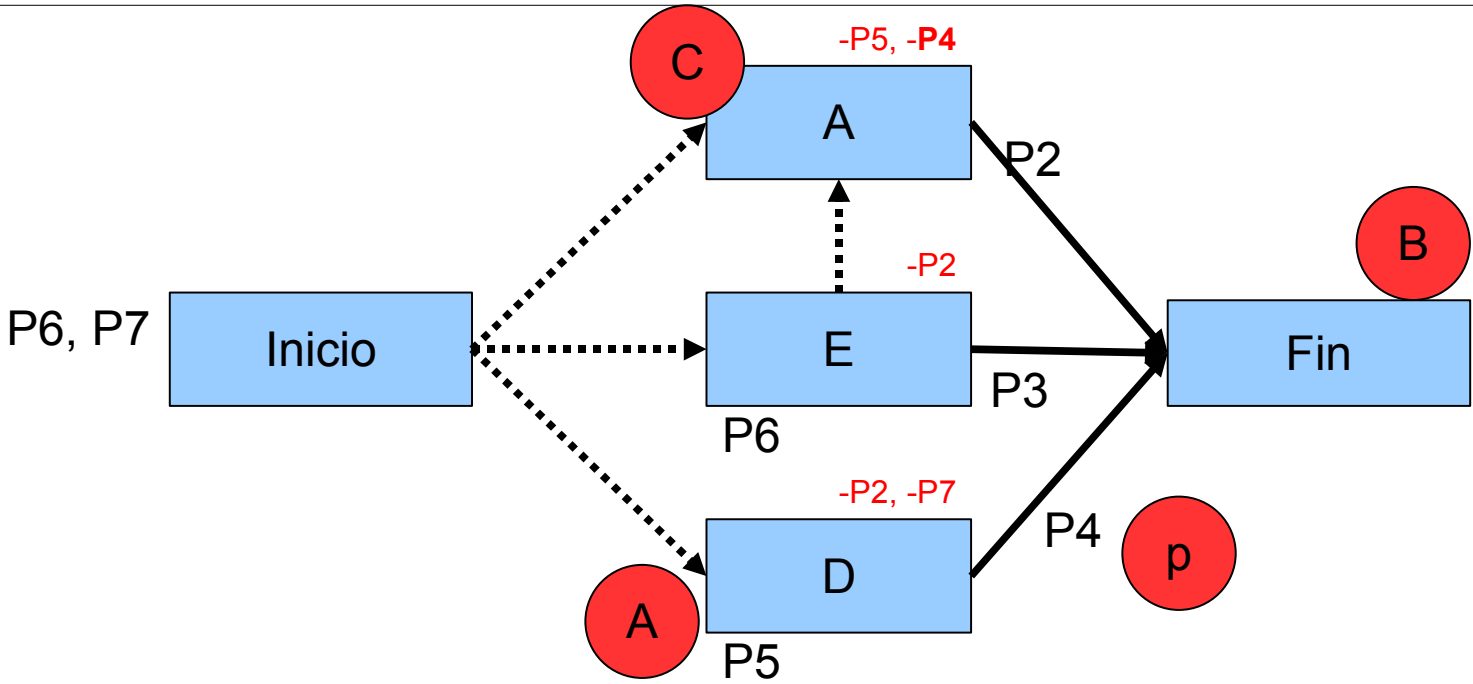
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZAS (2)

1



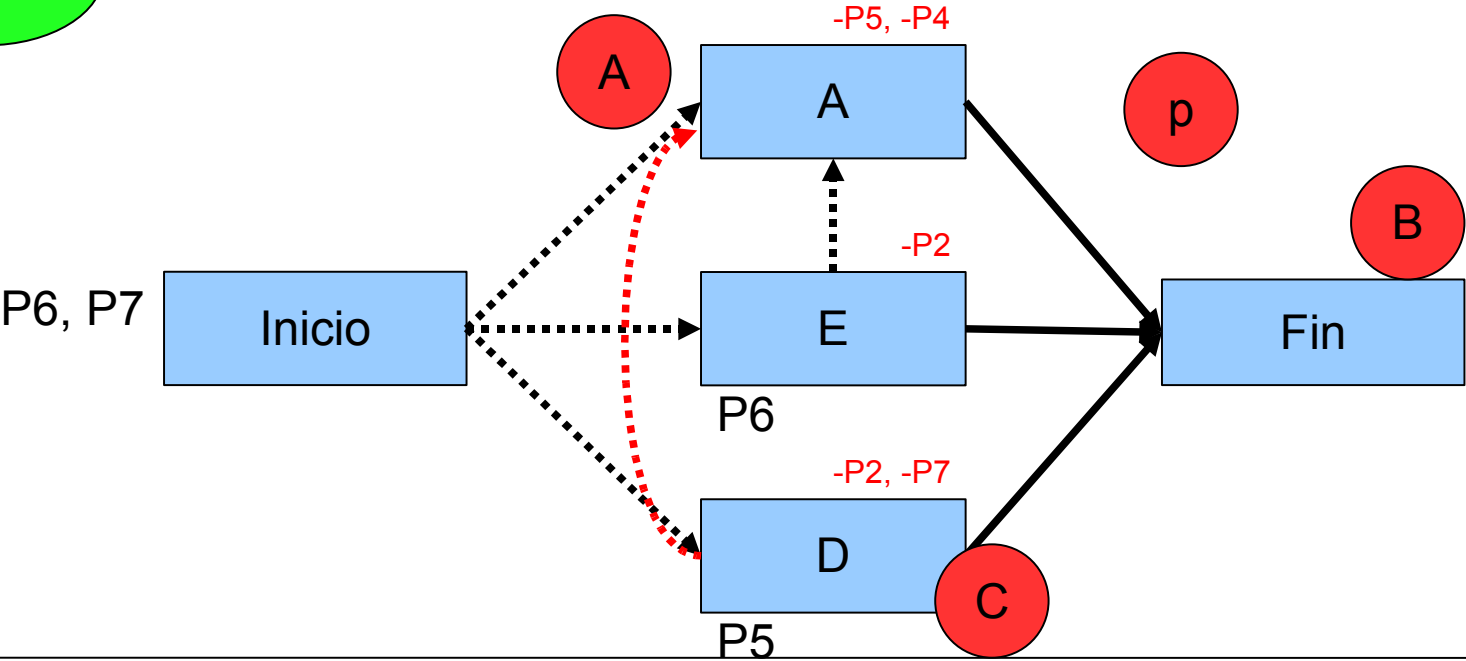
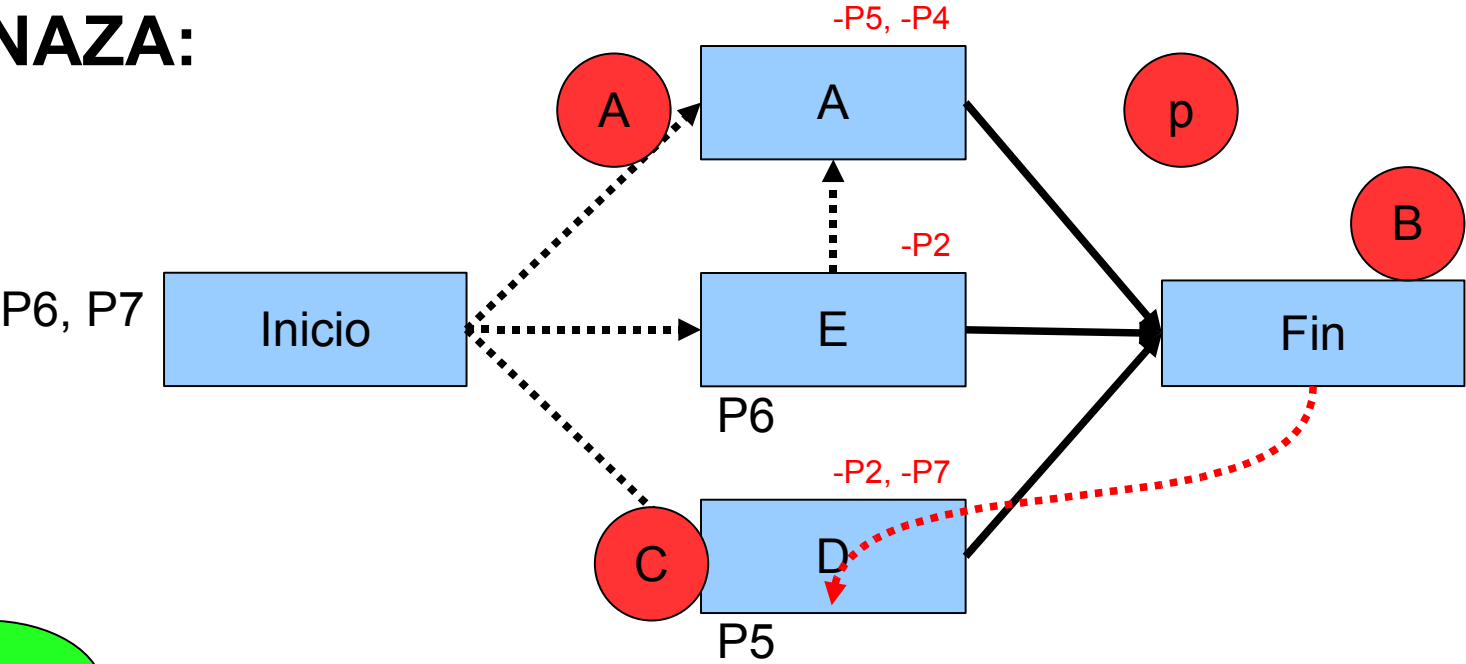
2



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

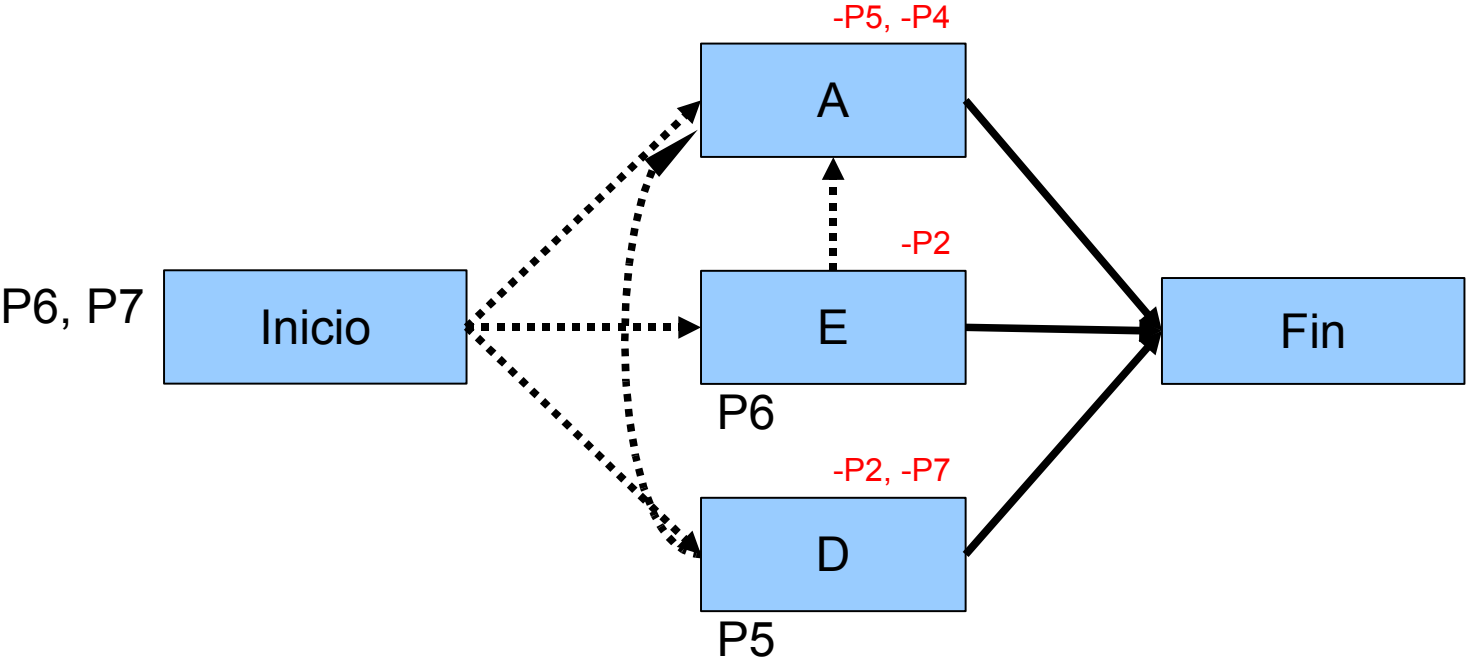
AMENAZA:

1



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

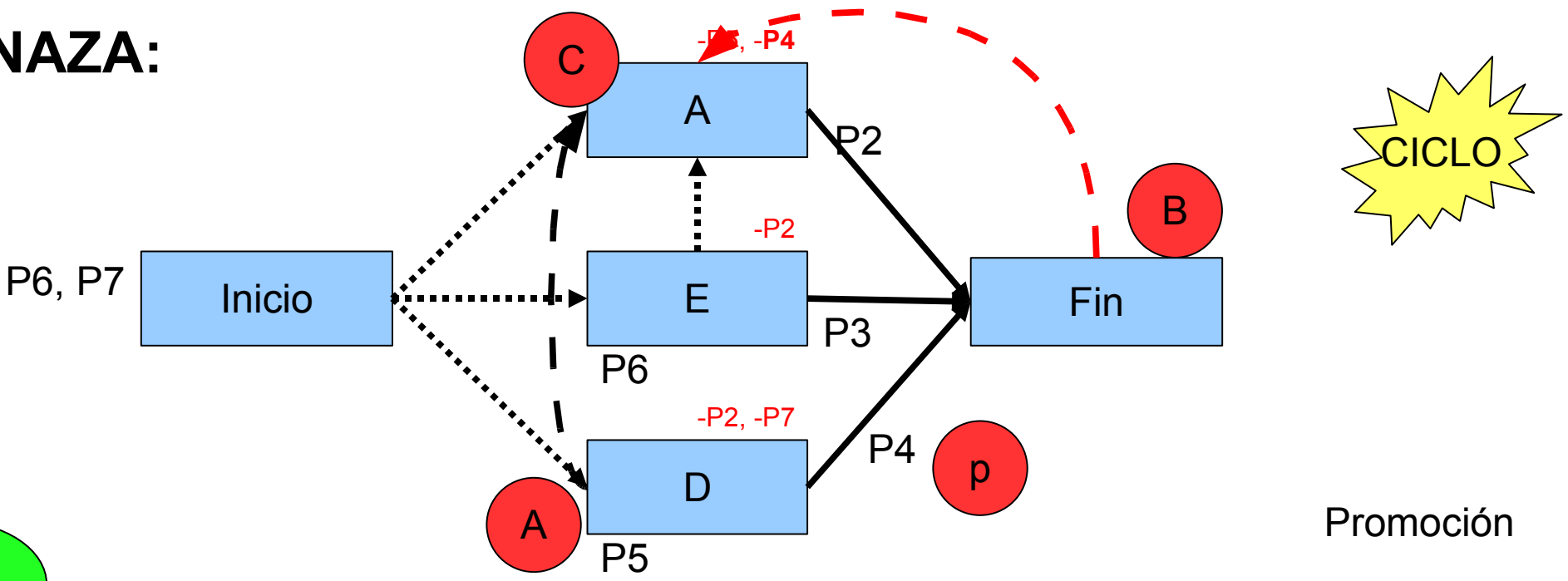
RESOLUCIÓN: 1



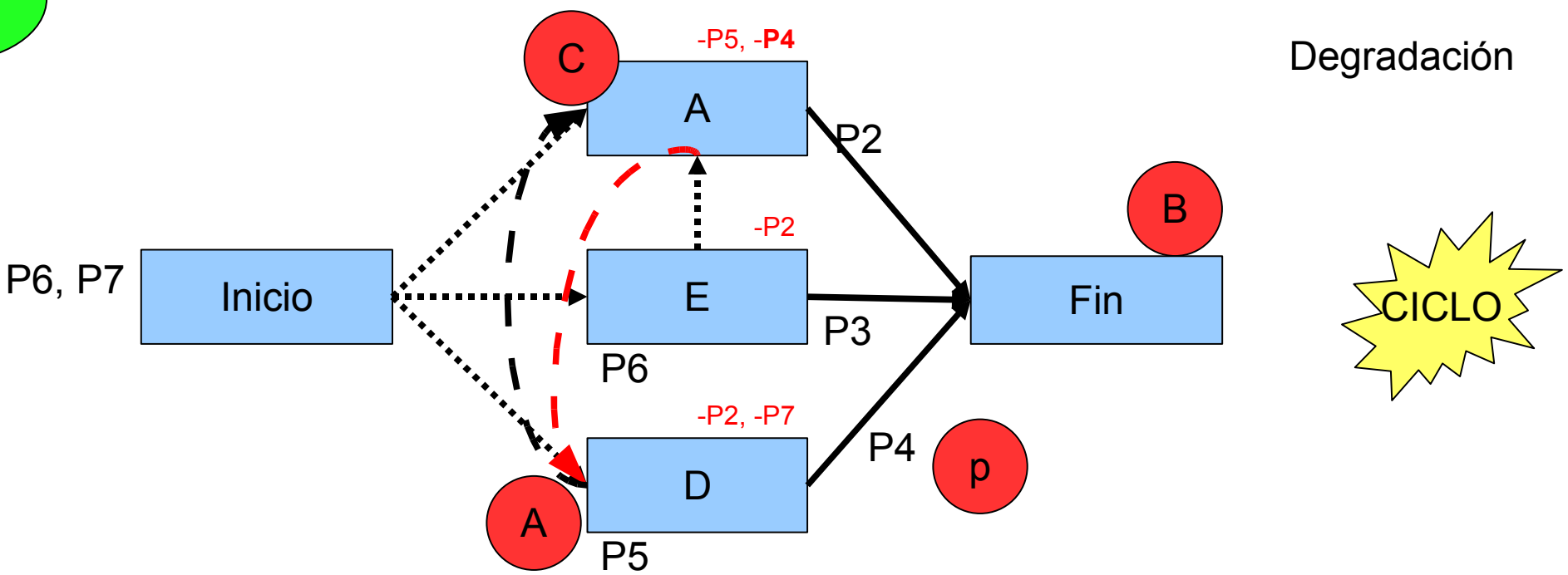
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZA:

2



Degradación



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



No hay forma de resolver la amenaza 2

Volver al anterior punto de decisión

P6, P7

Inicio



Fin

P2, P3, P4



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

Pre: { P5 }
Efec: -P2, -P7, P4

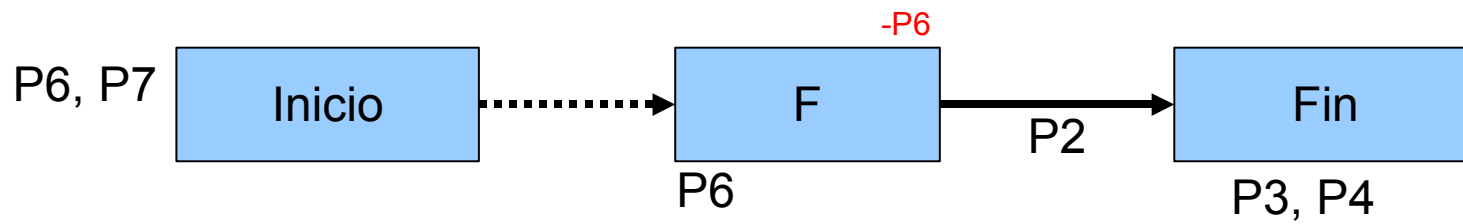
E

Pre: { P6 }
Efec: -P2, P3

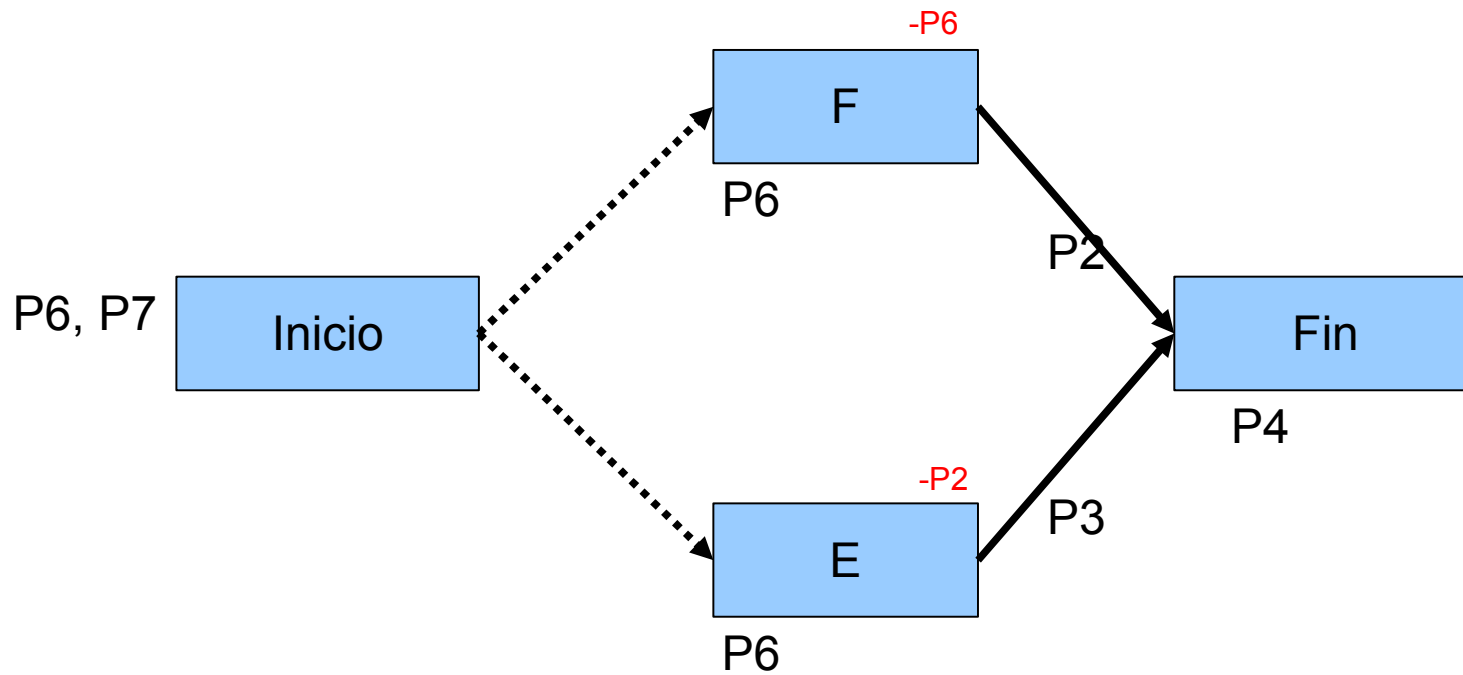
F

Pre: { P6 }
Efec: -P6, P2



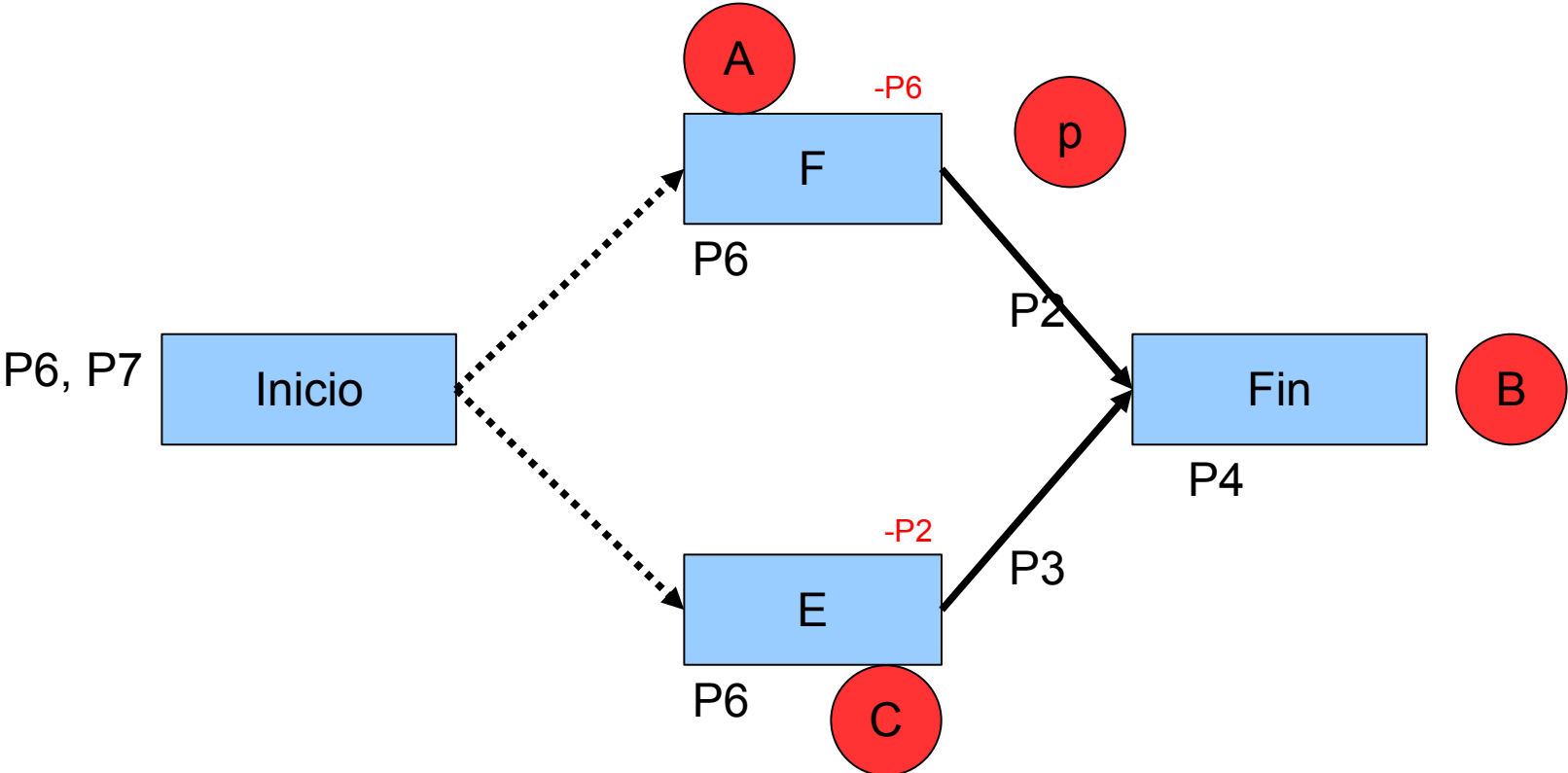


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



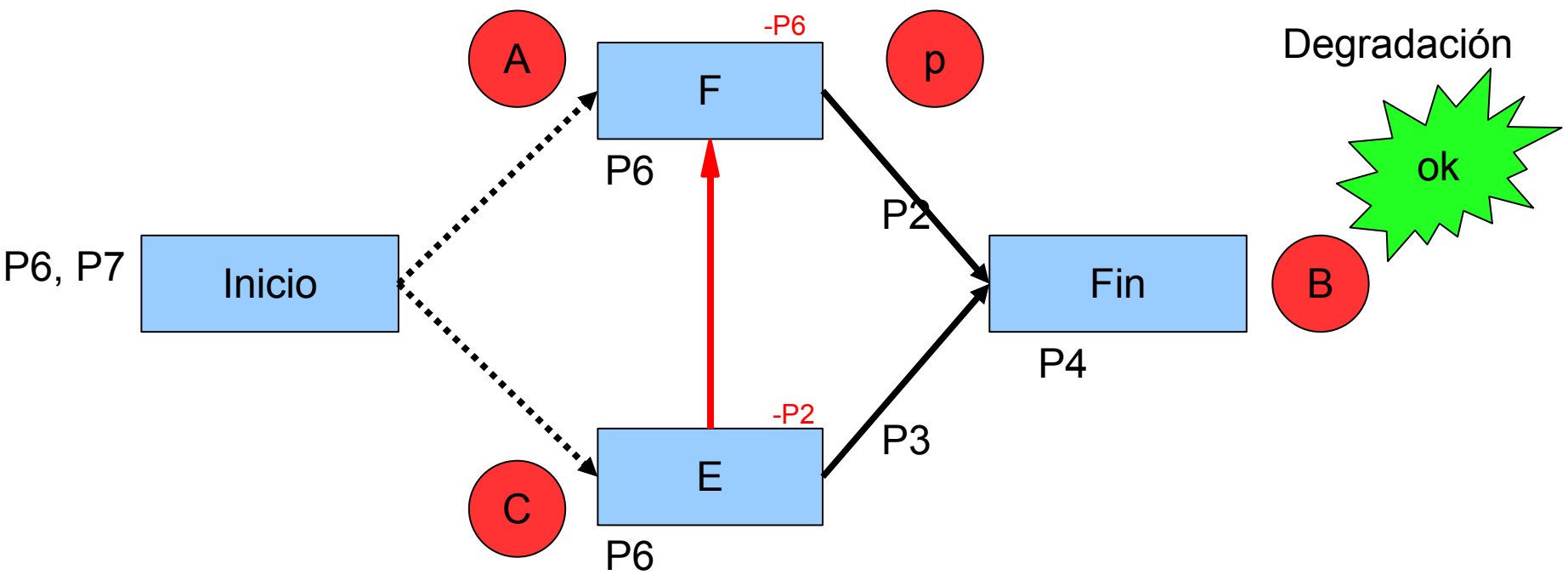
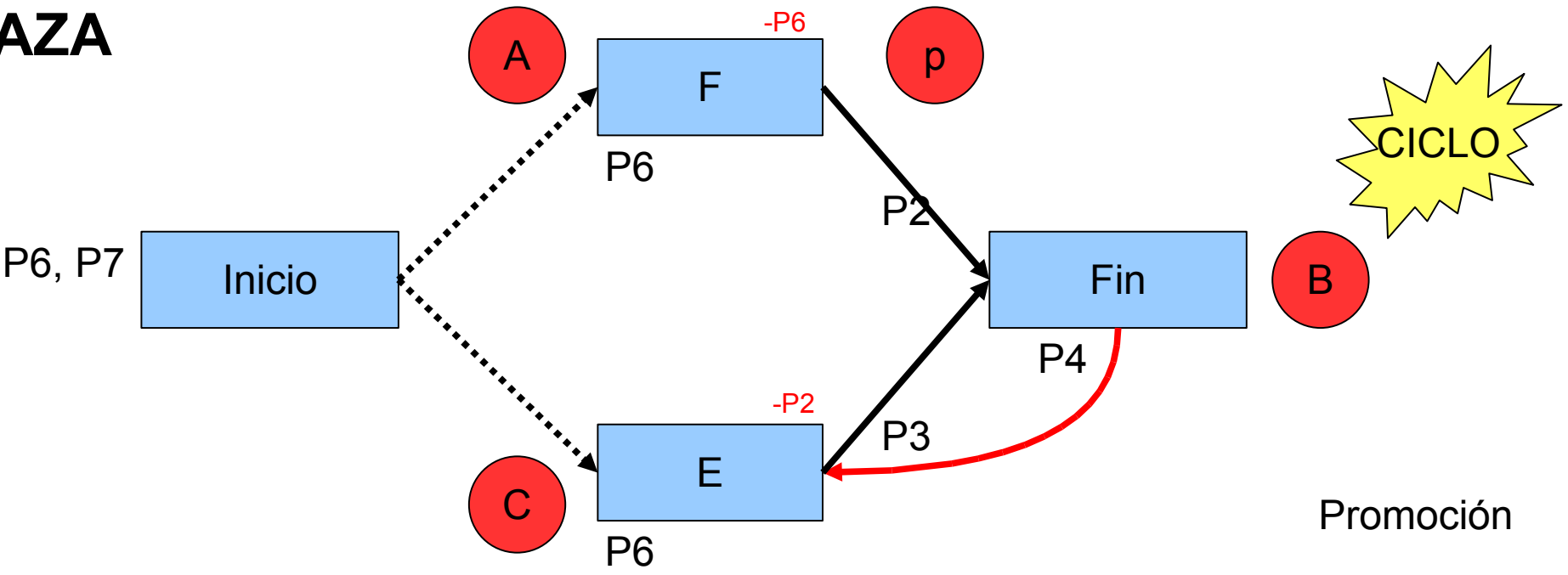
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZA

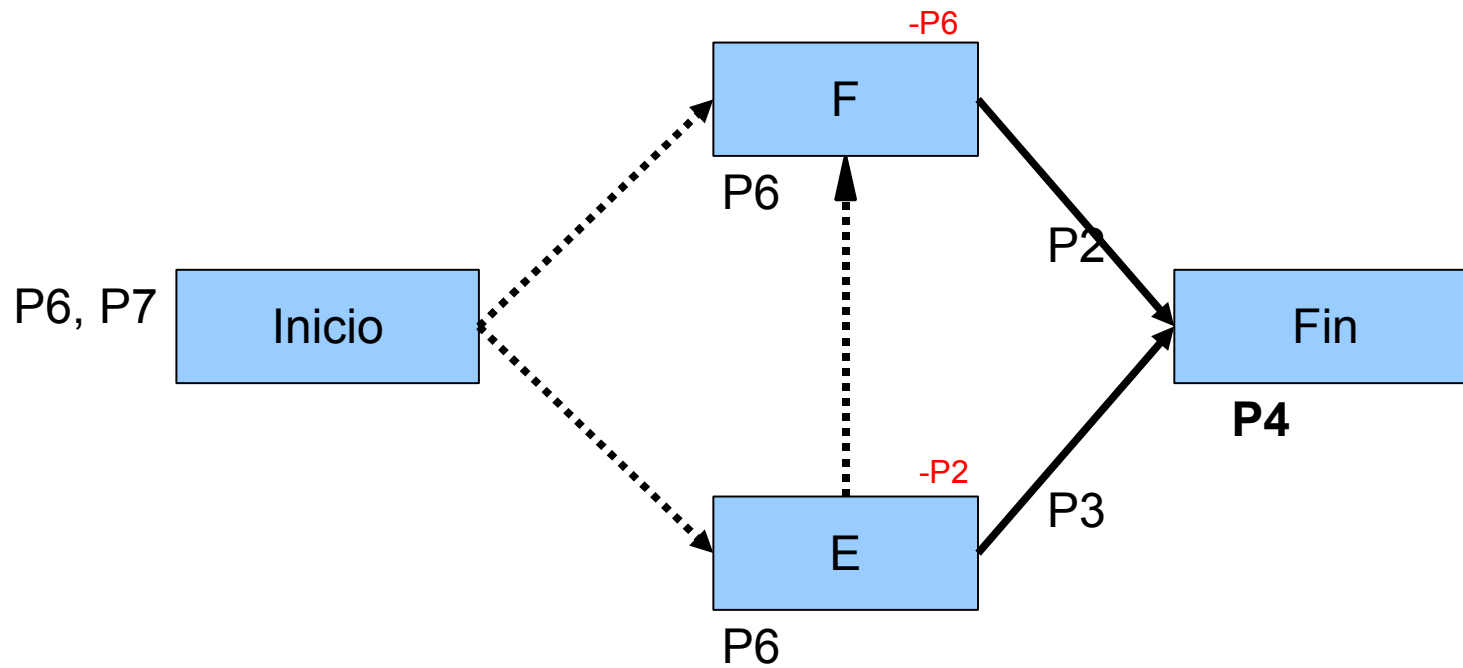


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

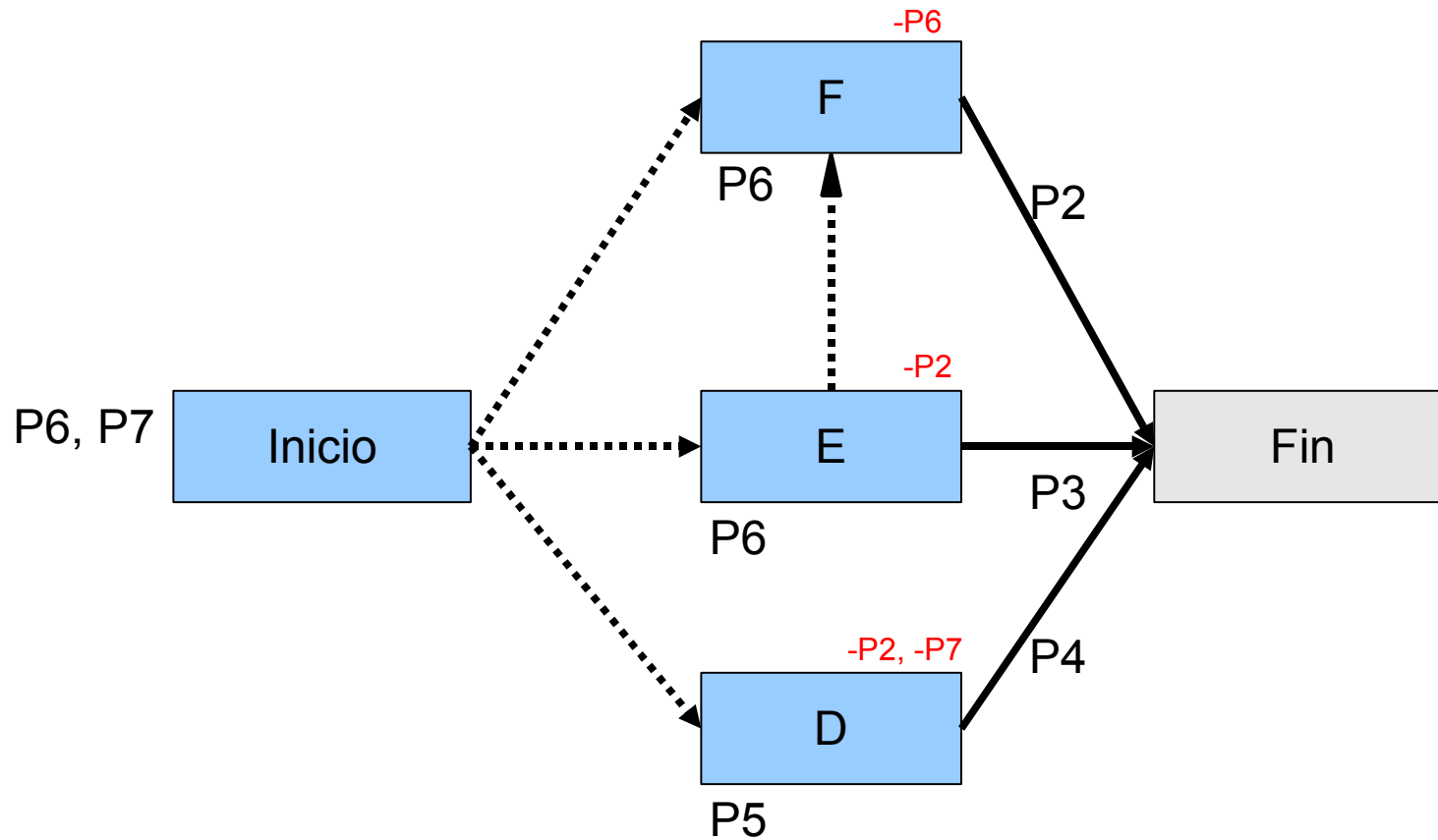
AMENAZA



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

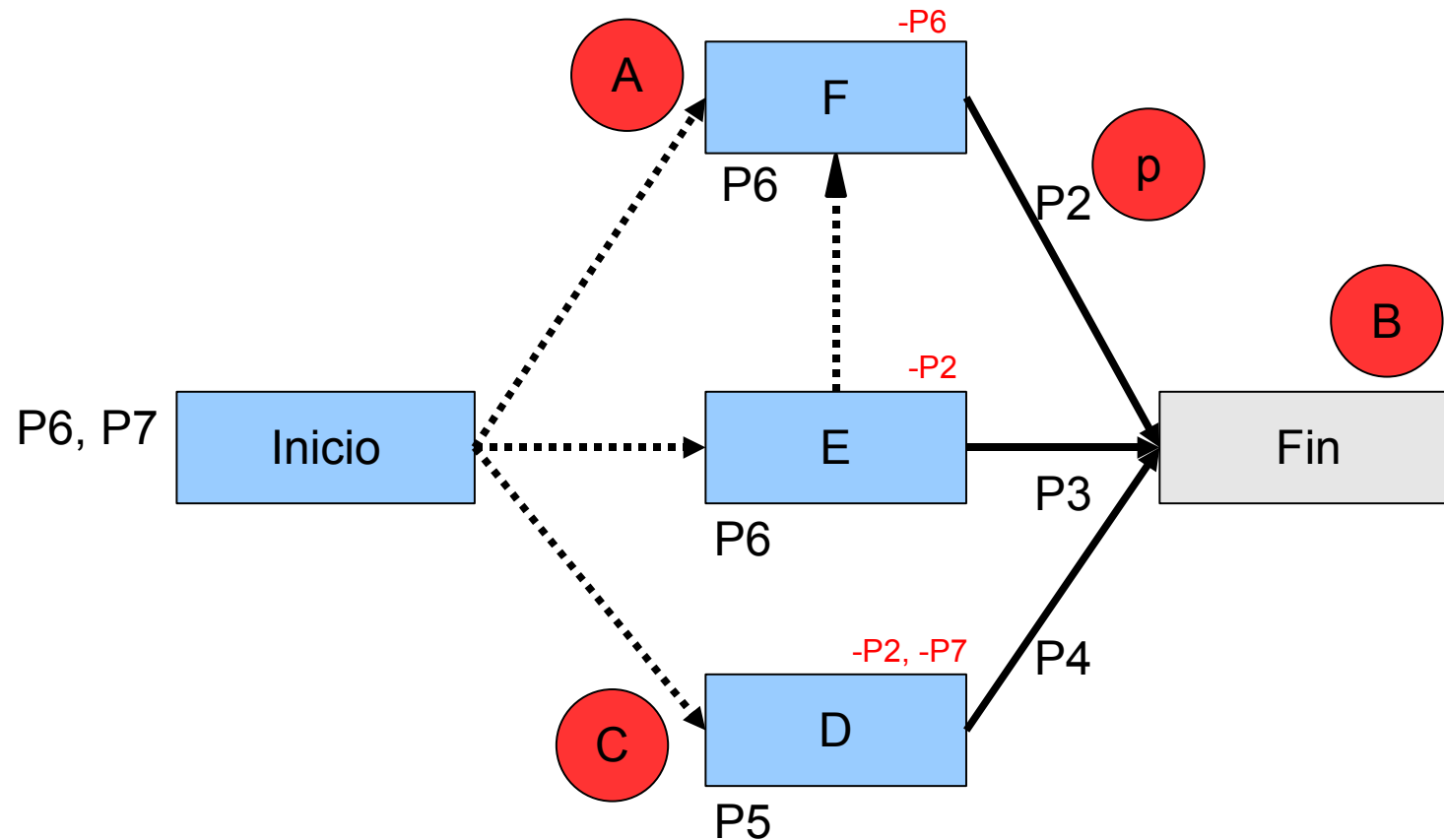


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



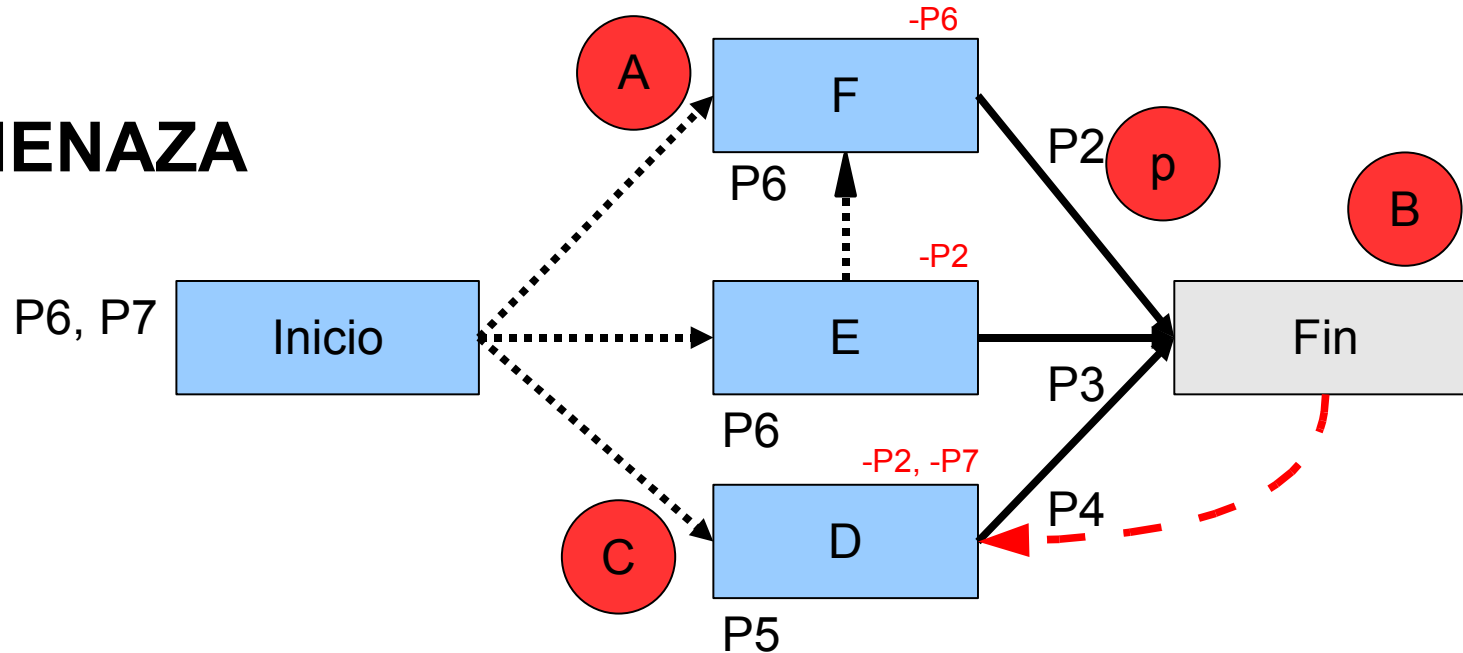
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZA

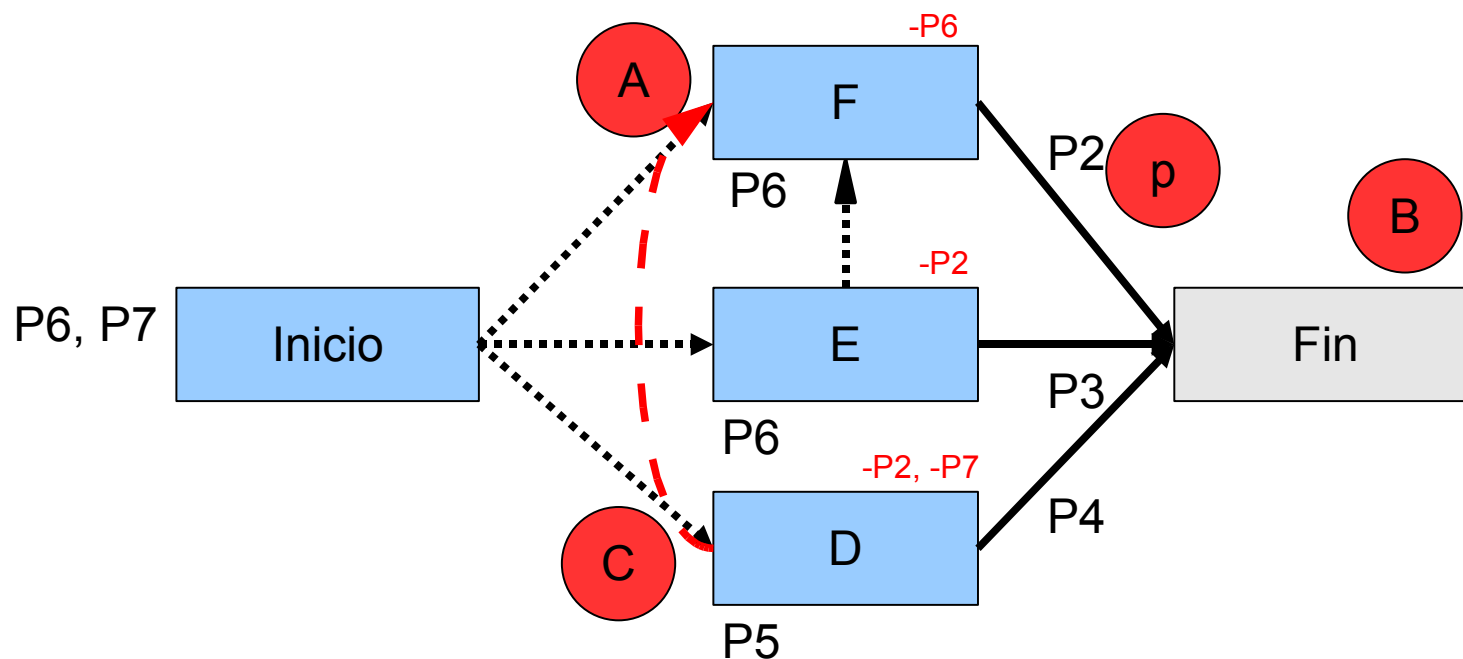


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

AMENAZA



Promoción

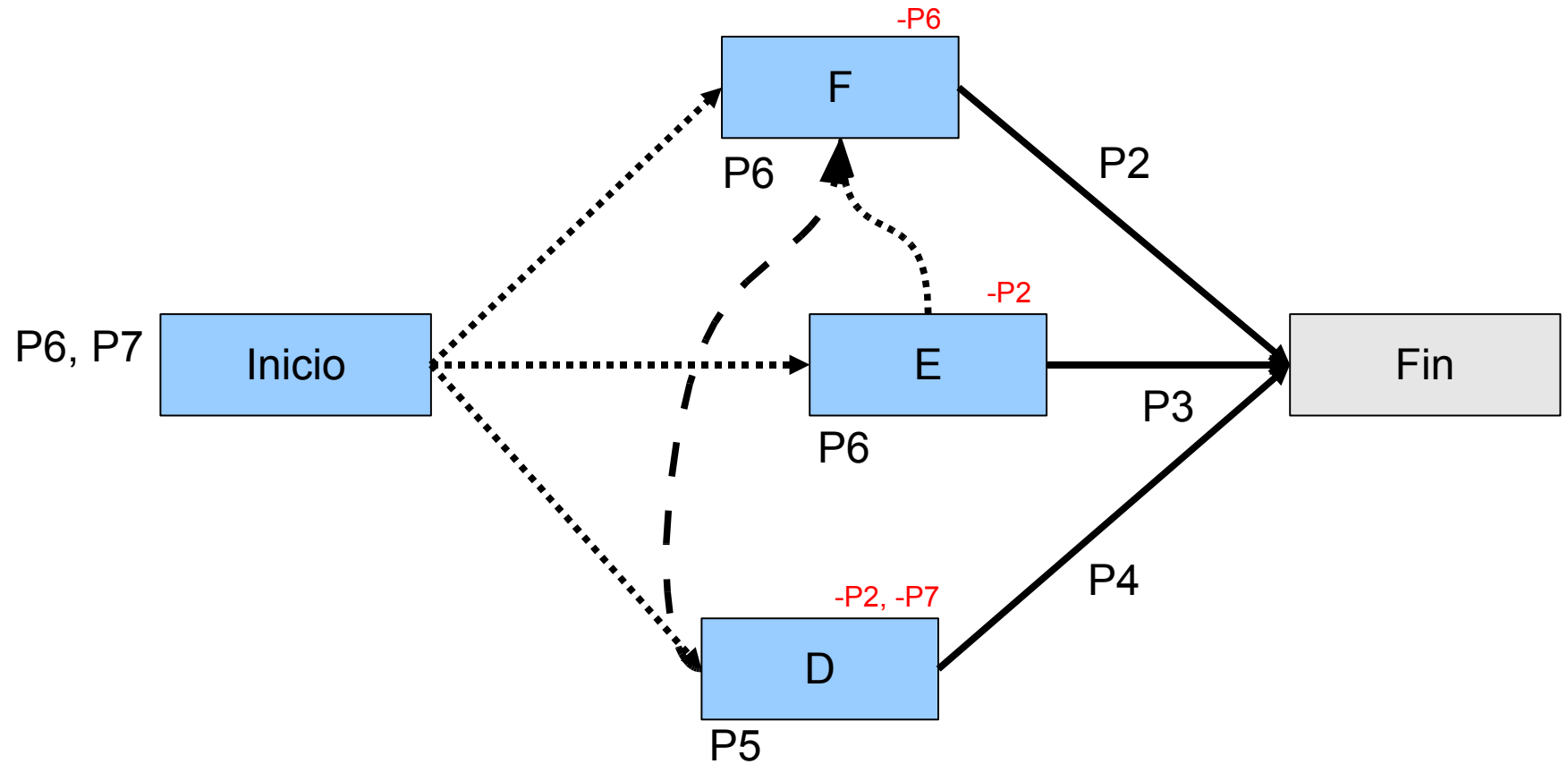


Degradación



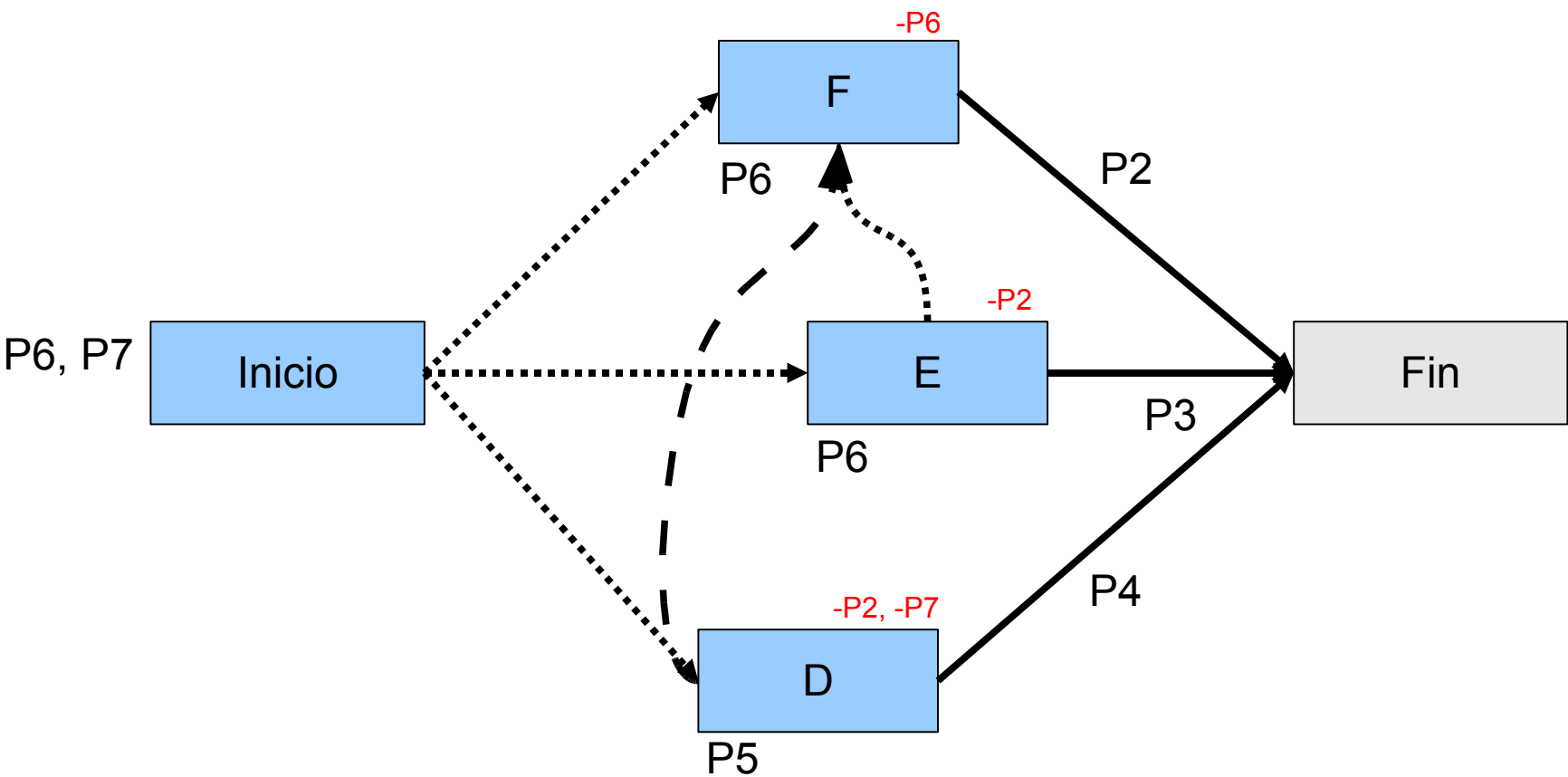
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

RESOLUCIÓN

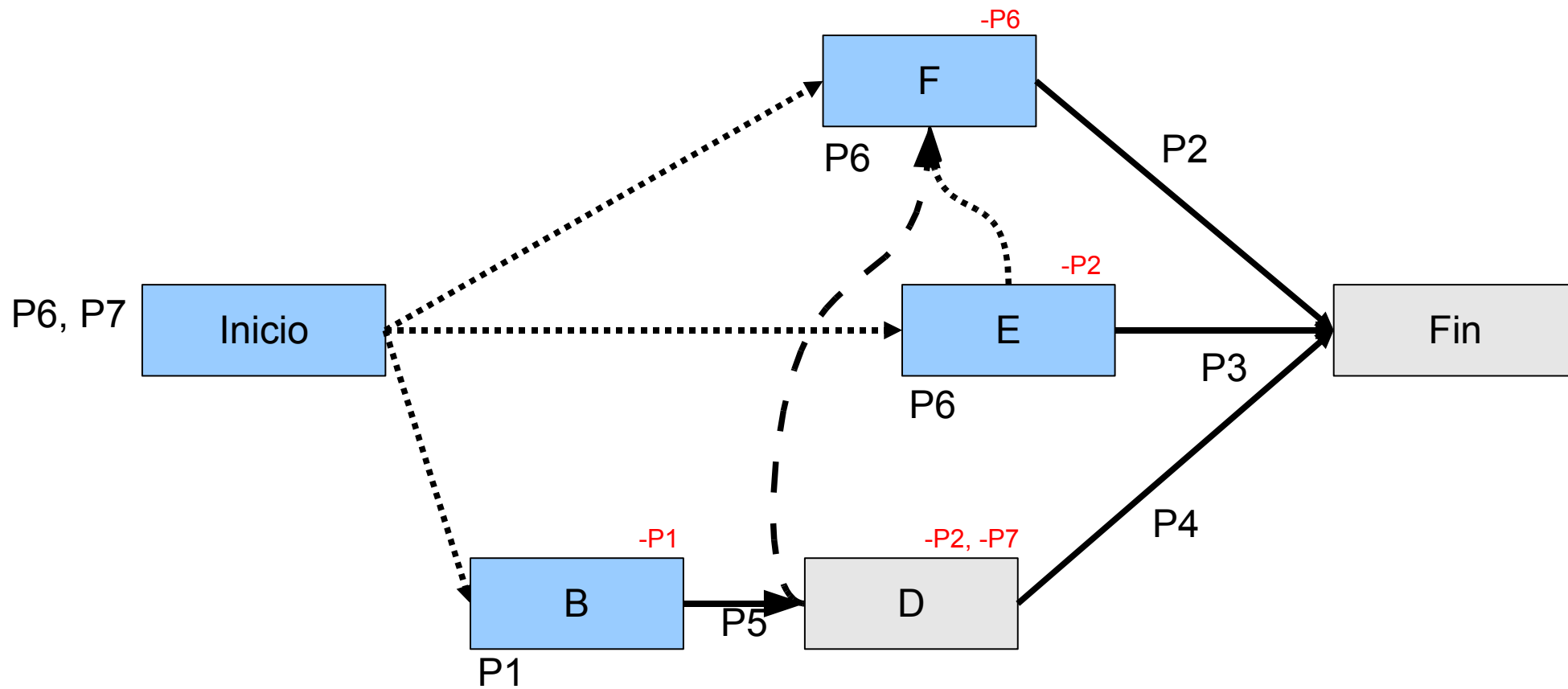


A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

RESOLUCIÓN



<div><div></div><div></div></div>					
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

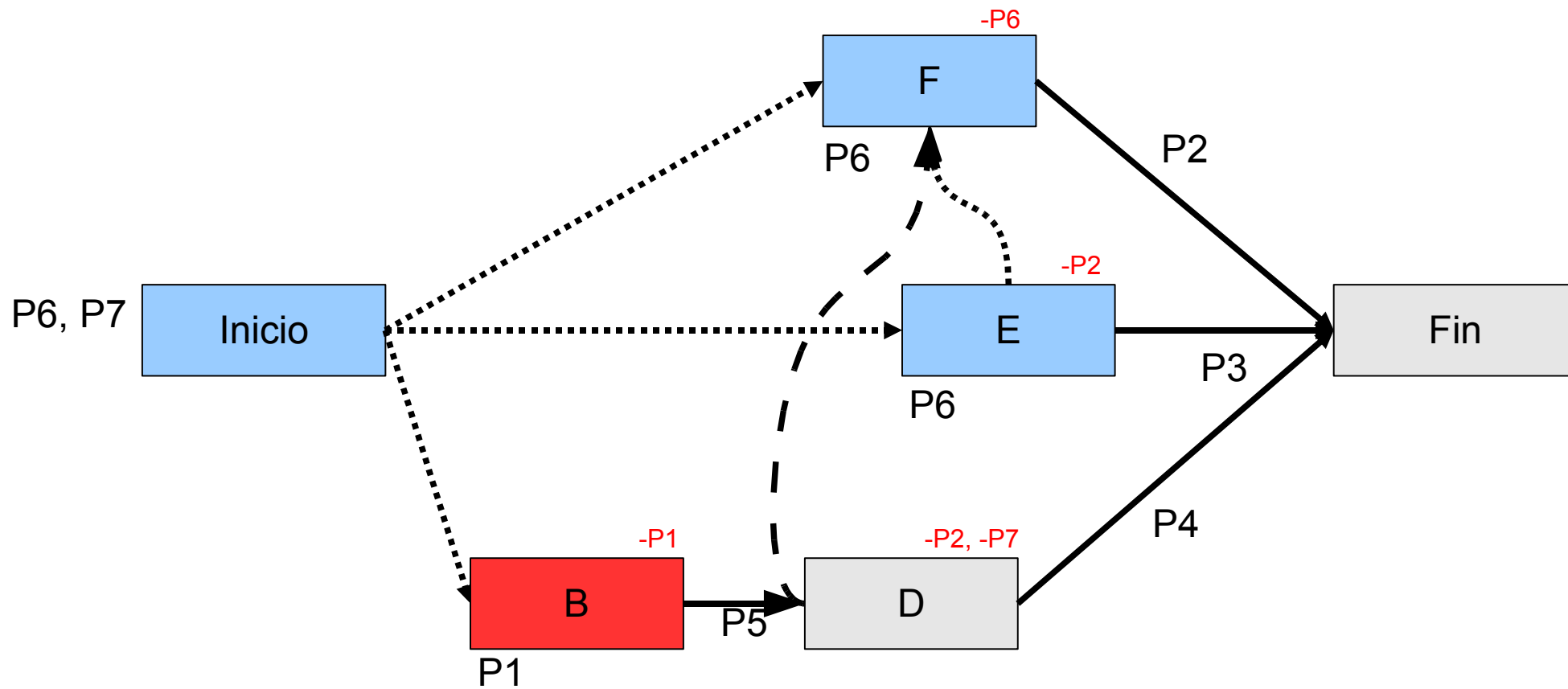
Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

F

Pre: { P6 }
Efec: -P6, P2



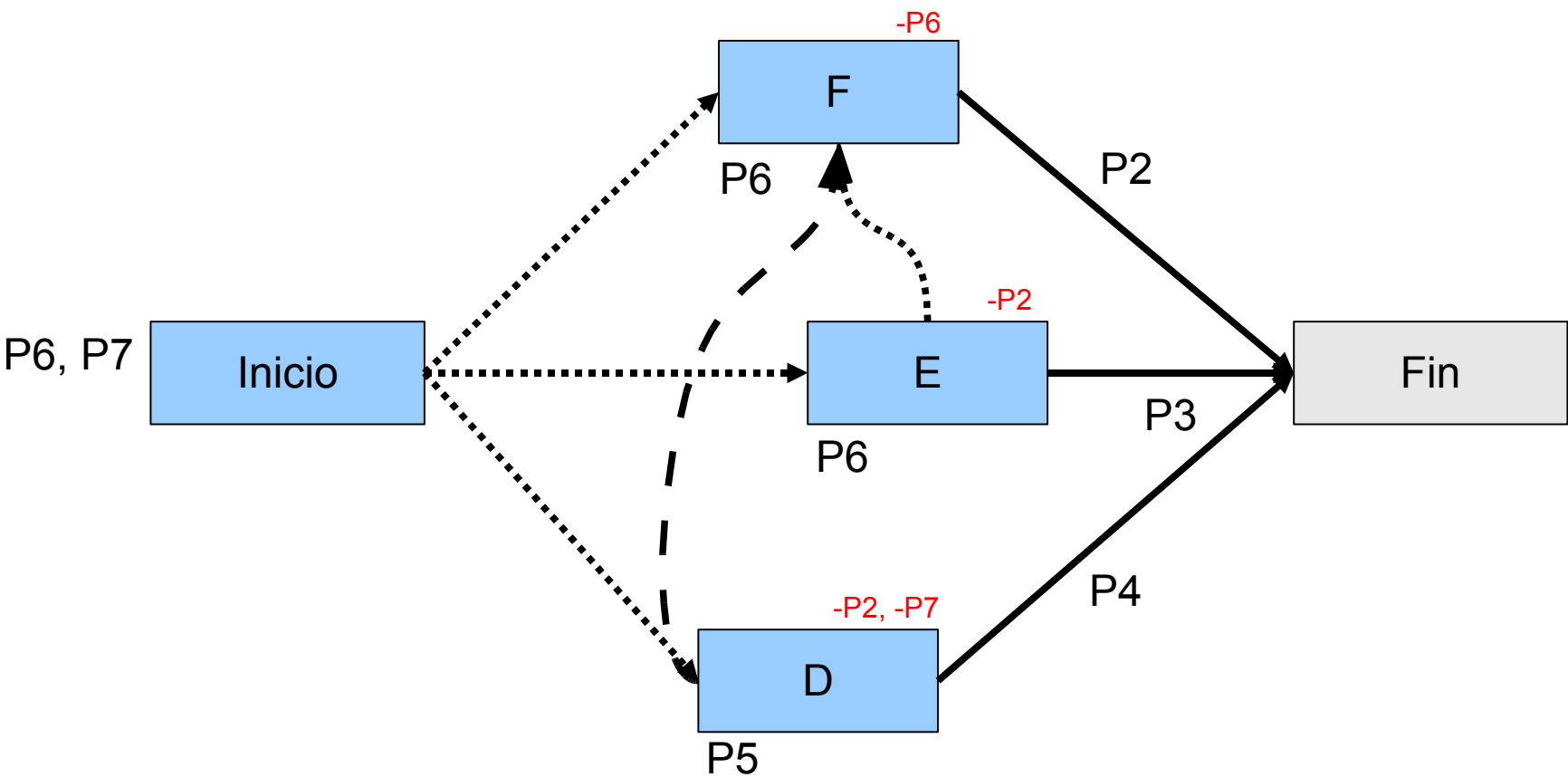
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



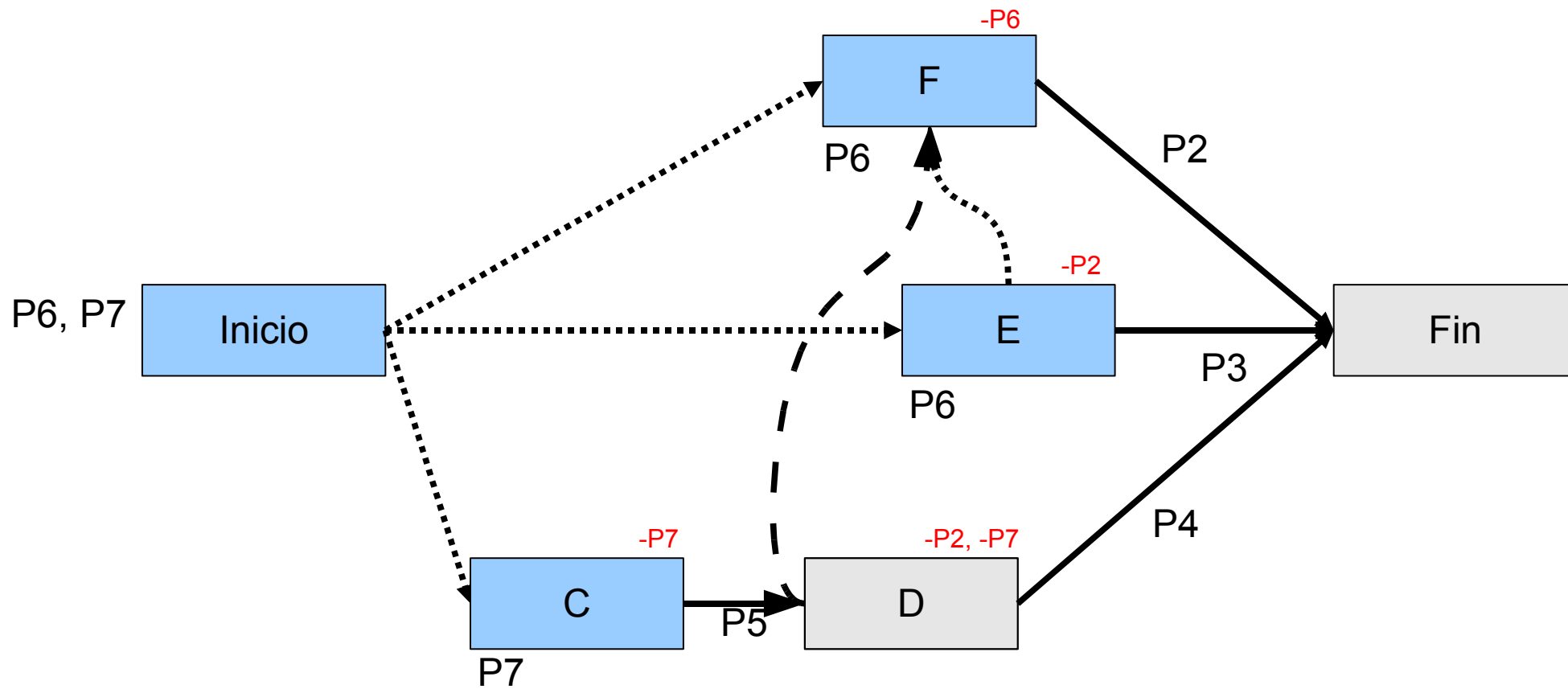
No hay NADIE que añada P1

Volver al anterior punto de decisión

RESOLUCIÓN



<div>★</div> <div>★</div>					
A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

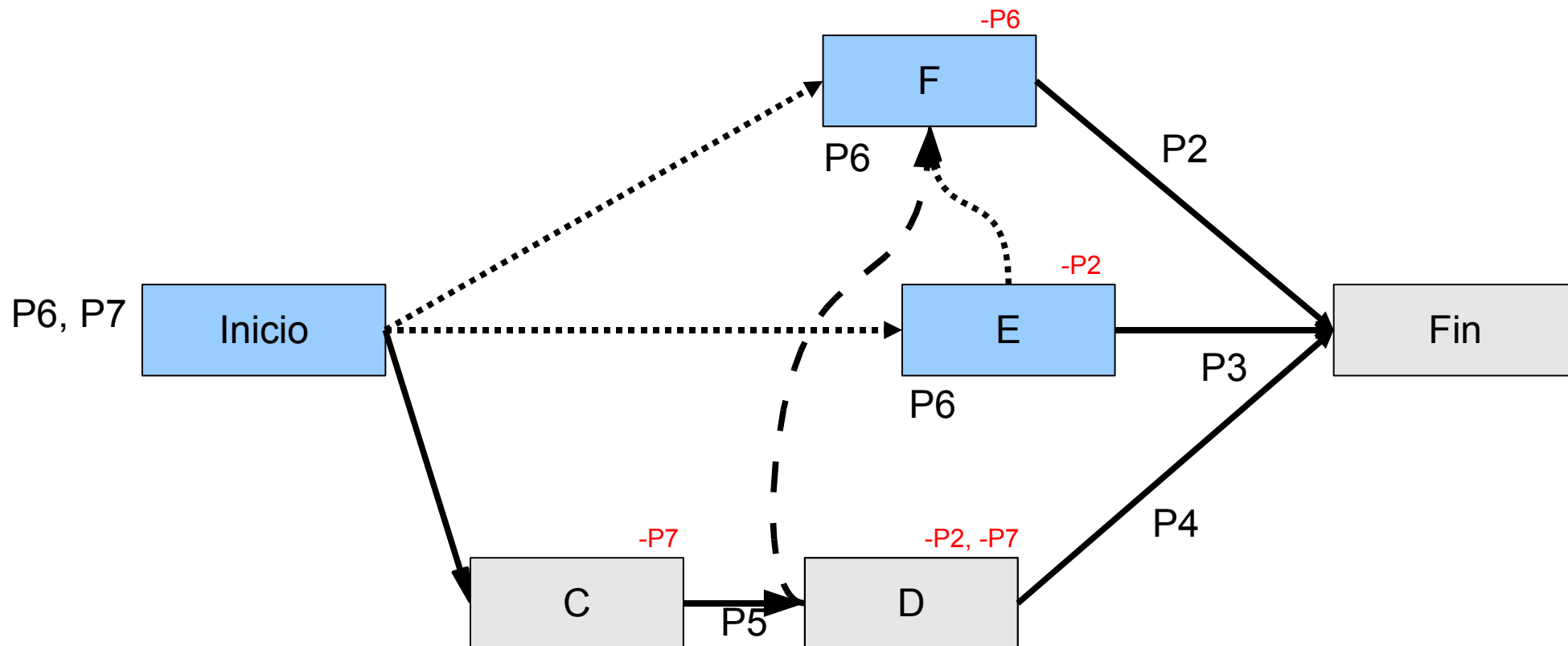
Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

F

Pre: { P6 }
Efec: -P6, P2



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

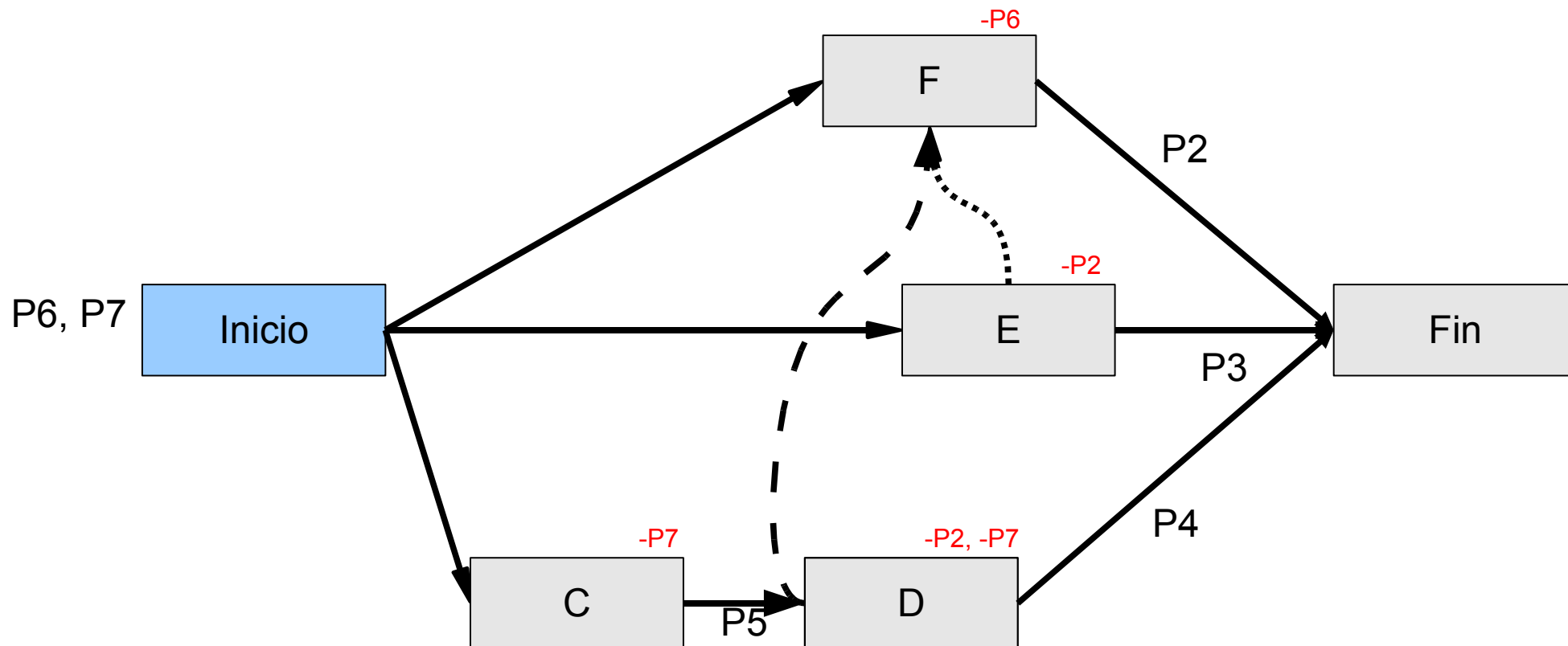
Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

F

Pre: { P6 }
Efec: -P6, P2



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

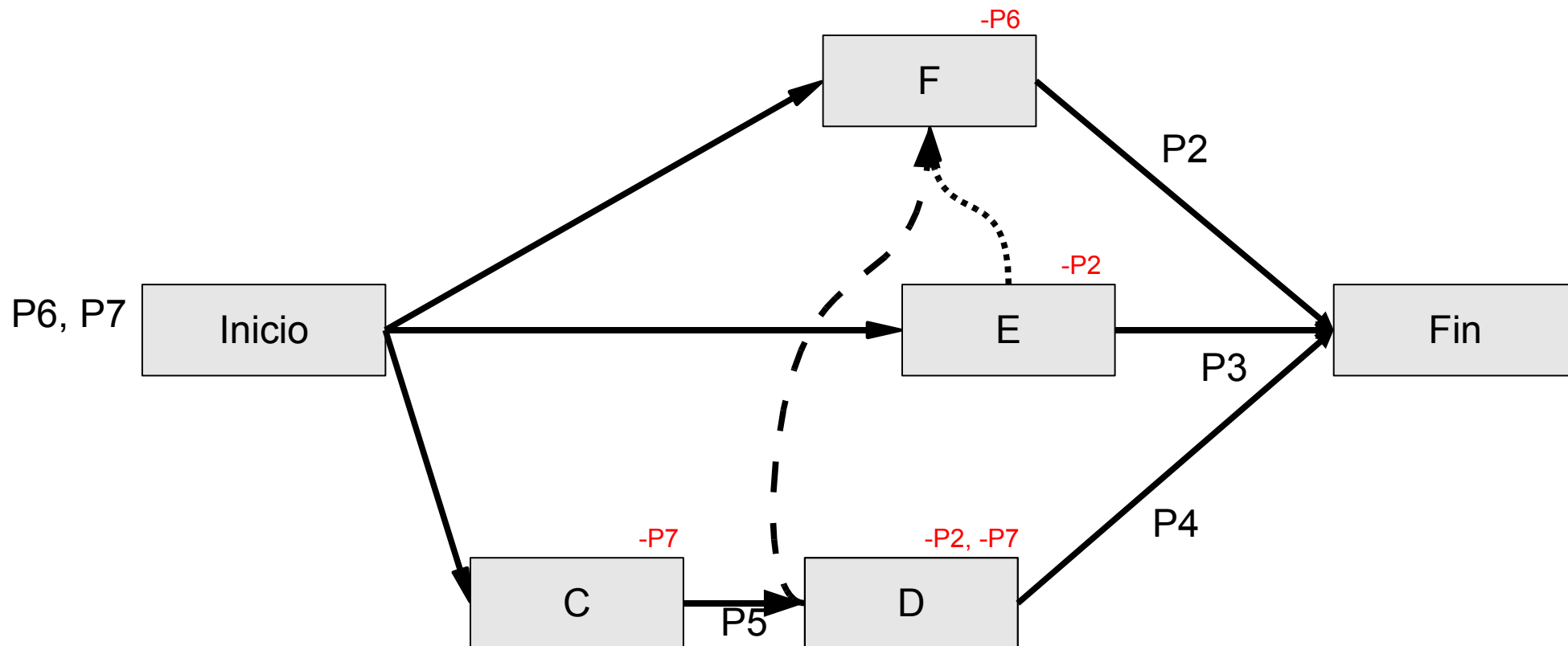
Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

F

Pre: { P6 }
Efec: -P6, P2



A

Pre: { }
Efec: -P5, -P4, P2

B

Pre: { P1 }
Efec: -P1, P5

C

Pre: { P7 }
Efec: -P7, P5

D

Pre: { P5 }
Efec: -P2, -P7, P4

E

Pre: { P6 }
Efec: -P2, P3

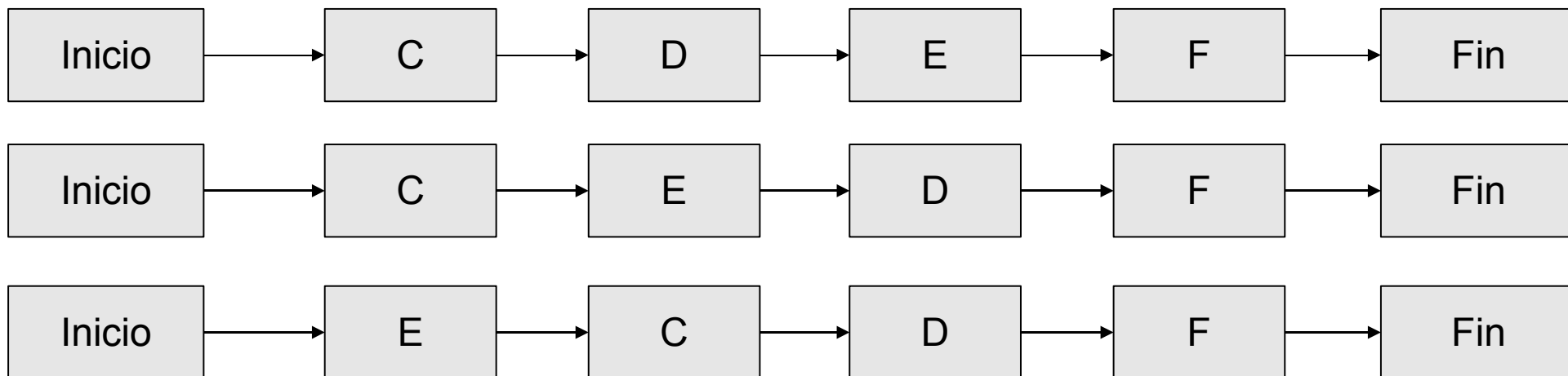
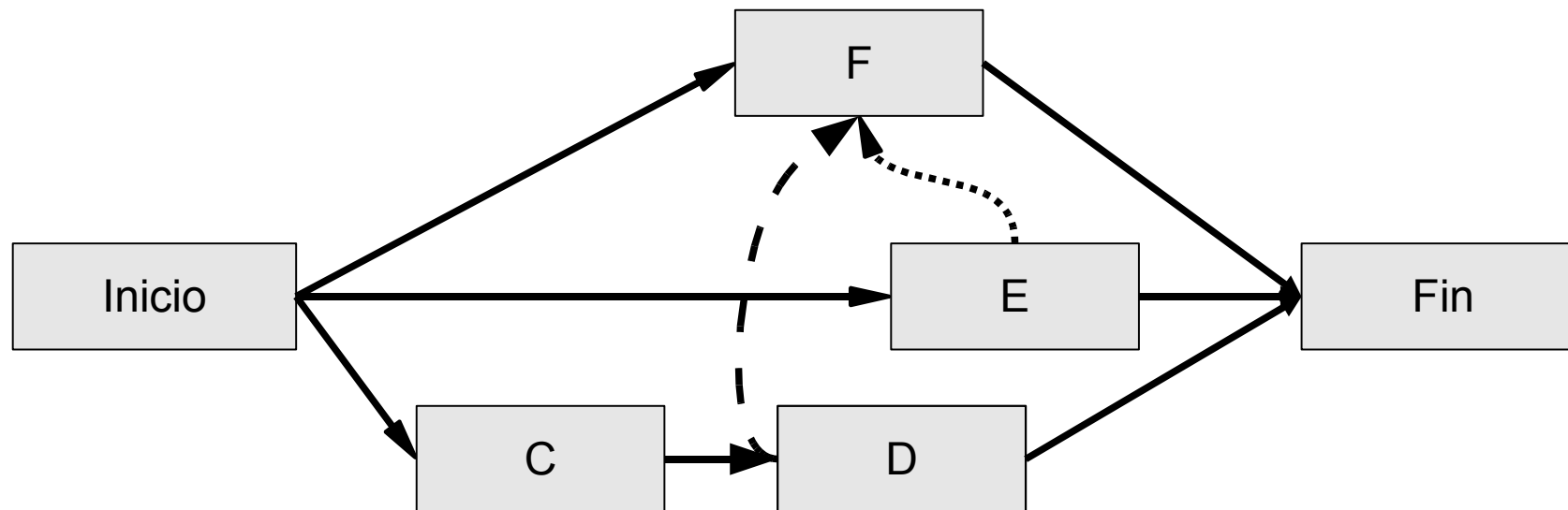
F

Pre: { P6 }
Efec: -P6, P2



HEMOS ENCONTRADO UN
PLAN PARCIAL FINAL

AHORA LAS SECUENCIACIONES



A	B	C	D	E	F
Pre: { }	Pre: { P1 }	Pre: { P7 }	Pre: { P5 }	Pre: { P6 }	Pre: { P6 }
Efec: -P5, -P4, P2	Efec: -P1, P5	Efec: -P7, P5	Efec: -P2, -P7, P4	Efec: -P2, P3	Efec: -P6, P2

