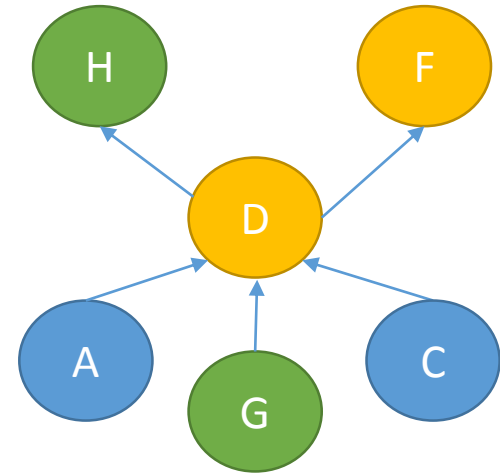
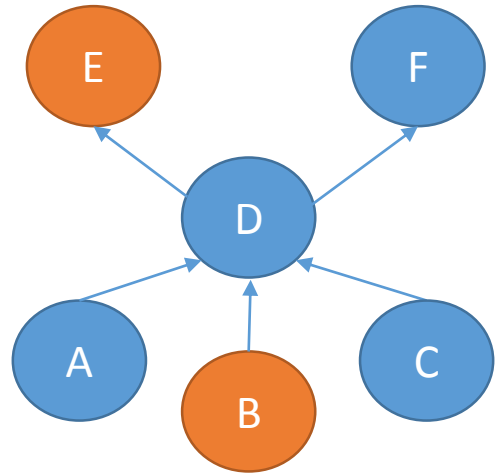


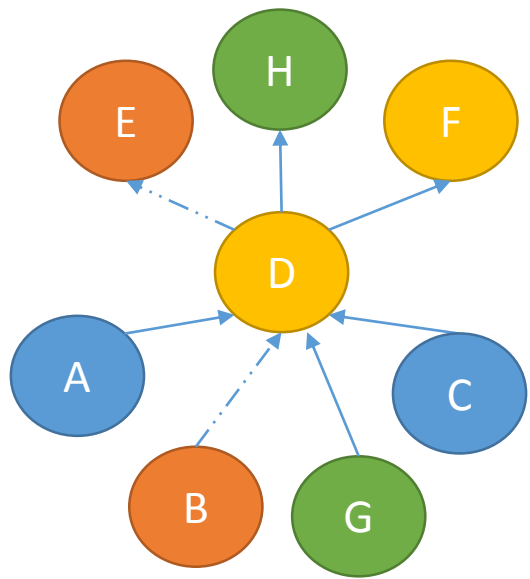
Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	CREATE	COMPLETE
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
E	105	0	CREATE	COMPLETE
F	106	0	CREATE	COMPLETE

Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
C	D	1	PROCESSED
D	E	1	PROCESSED
D	F	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED





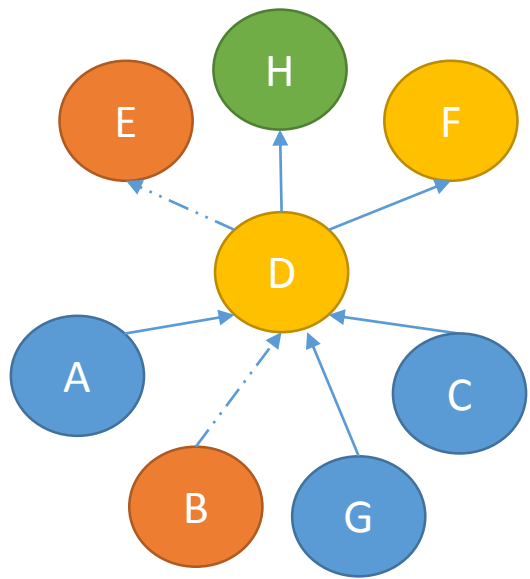
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	UNPROCESSED
C	D	1	PROCESSED
D	F	1	UNPROCESSED
D	H	1	UNPROCESSED
E	-	1	PROCESSED
F	-	1	UNPROCESSED
H	-	1	UNPROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	CREATE	COMPLETE
B		1	DELETE	INIT
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
D		1	UPDATE	INIT
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
G		0	CREATE	INIT
H		0	CREATE	INIT

$$(G, D, F, H) - (D, F, H) = (G)$$



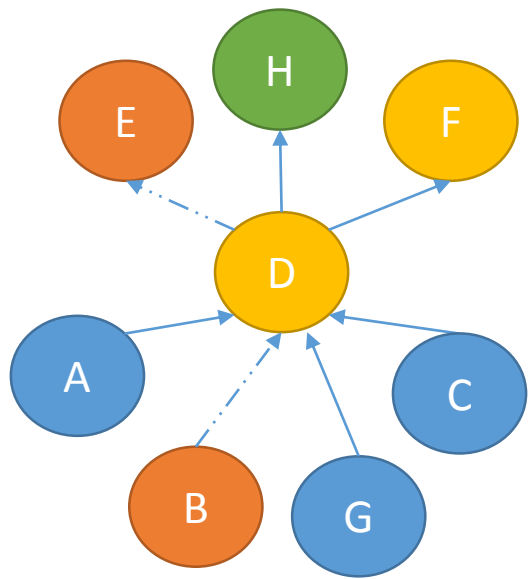
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	UNPROCESSED
D	H	1	UNPROCESSED
E	-	1	PROCESSED
F	-	1	UNPROCESSED
H	-	1	UNPROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	CREATE	COMPLETE
B		1	DELETE	INIT
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
D		1	UPDATE	INIT
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
G		0	CREATE	COMPLETE
H		0	CREATE	INIT

$$(D, F, H) - (F, H) = (D)$$

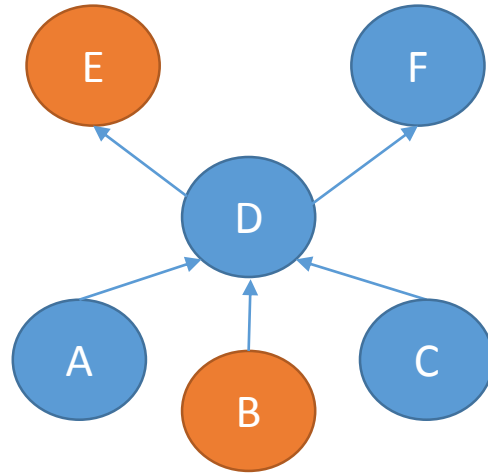
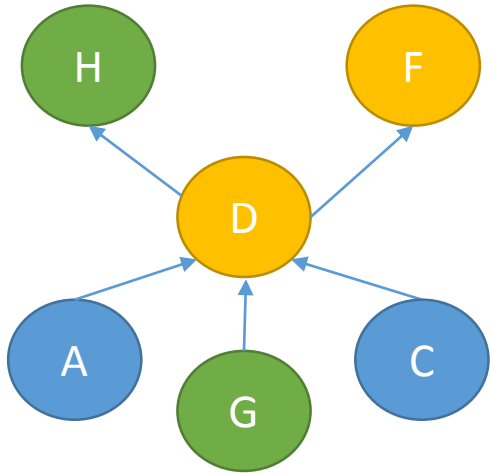


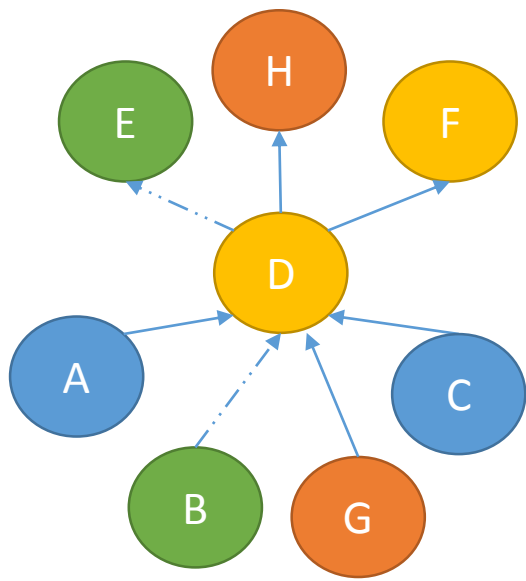
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	UNPROCESSED
D	H	1	UNPROCESSED
E	-	1	PROCESSED
F	-	1	UNPROCESSED
H	-	1	UNPROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	CREATE	COMPLETE
B		1	DELETE	INIT
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
D		1	UPDATE	FAILED
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
G		0	CREATE	COMPLETE
H		0	CREATE	INIT





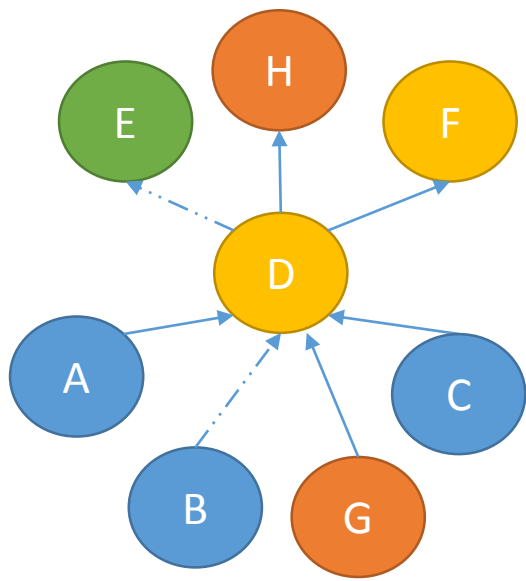
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	UNPROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	UNPROCESSED
D	E	1	UNPROCESSED
E	-	1	UNPROCESSED
F	-	1	UNPROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	CREATE	COMPLETE
B		1	DELETE	INIT
B		2	UPDATE	INIT
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D		2	UPDATE	INIT
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
E		2	UPDATE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
F		2	UPDATE	INIT
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	INIT

$$(B, D, E, F) - (D, F, E) = (B)$$



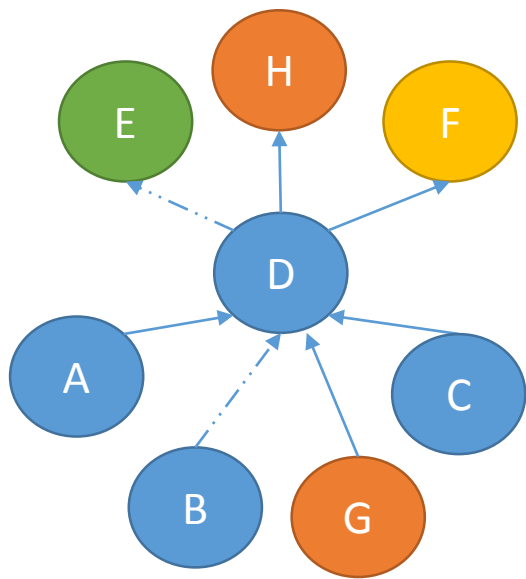
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	UNPROCESSED
D	E	1	UNPROCESSED
E	-	1	UNPROCESSED
F	-	1	UNPROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D	104	0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D		2	UPDATE	INIT
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
E		2	UPDATE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
F		2	UPDATE	INIT
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	INIT

$$(D,E,F) - (F, E) = (D)$$



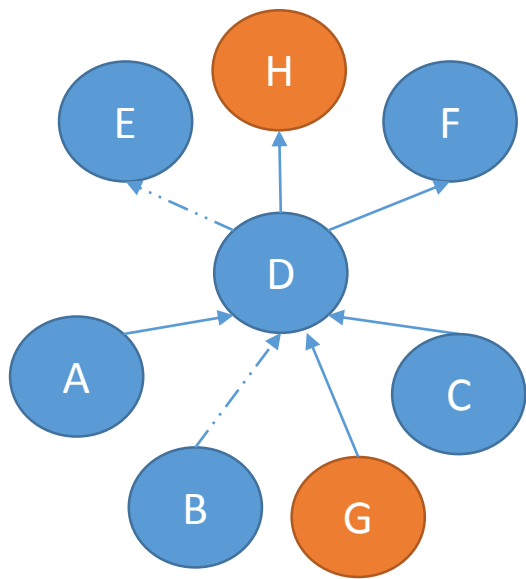
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	UNPROCESSED
F	-	1	UNPROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E	105	0	CREATE	COMPLETE
E		1	DELETE	INIT
E		2	UPDATE	INIT
F	106	0	CREATE	COMPLETE
F		1	UPDATE	INIT
F		2	UPDATE	INIT
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	INIT

$$(E,F) - () = (E,F)$$



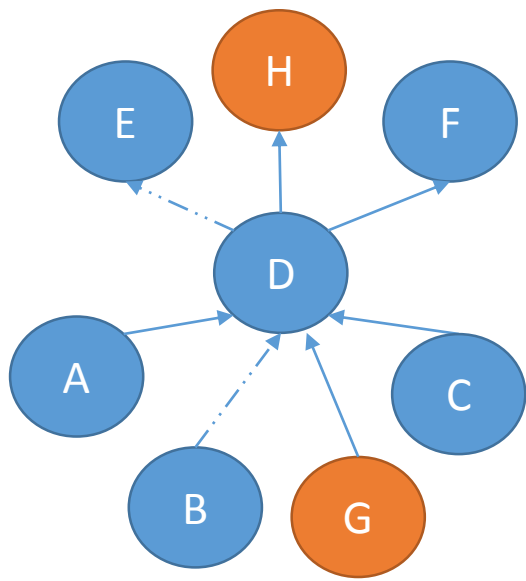
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E		0	CREATE	COMPLETE
E		1	DELETE	INIT
E	105	2	UPDATE	COMPLETE
F		0	CREATE	COMPLETE
F		1	UPDATE	INIT
F	106	2	UPDATE	COMPLETE
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	INIT

$() - () = ()$



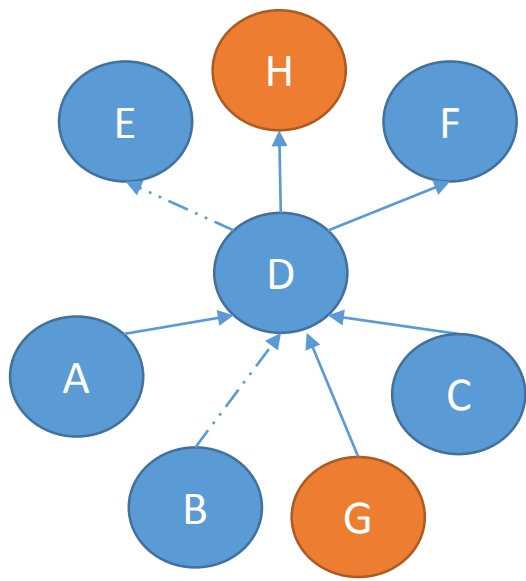
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	UNPROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED
H	-	1	UNPROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E		0	CREATE	COMPLETE
E		1	DELETE	INIT
E	105	2	UPDATE	COMPLETE
F		0	CREATE	COMPLETE
F		1	UPDATE	INIT
F	106	2	UPDATE	COMPLETE
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	INIT

GC PHASE : delete in reverse
(H)



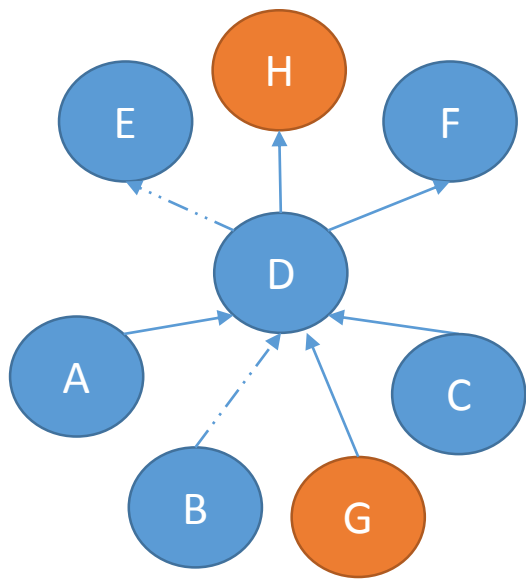
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	UNPROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E		0	CREATE	COMPLETE
E		1	DELETE	INIT
E	105	2	UPDATE	COMPLETE
F		0	CREATE	COMPLETE
F		1	UPDATE	INIT
F	106	2	UPDATE	COMPLETE
G	206	0	CREATE	COMPLETE
G		1	DELETE	INIT
H		0	CREATE	INIT
H		1	DELETE	COMPLETE

GC PHASE : delete in reverse
(G)



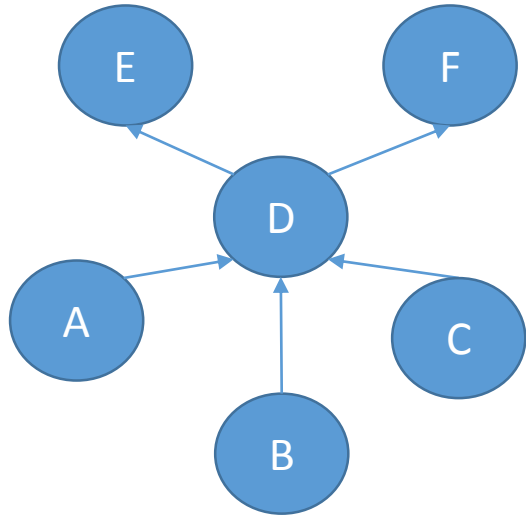
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E		0	CREATE	COMPLETE
E		1	DELETE	INIT
E	105	2	UPDATE	COMPLETE
F		0	CREATE	COMPLETE
F		1	UPDATE	INIT
F	106	2	UPDATE	COMPLETE
G	206	0	CREATE	COMPLETE
G		1	DELETE	COMPLETE
H		0	CREATE	INIT
H		1	DELETE	COMPLETE

GC PHASE : delete in reverse
()



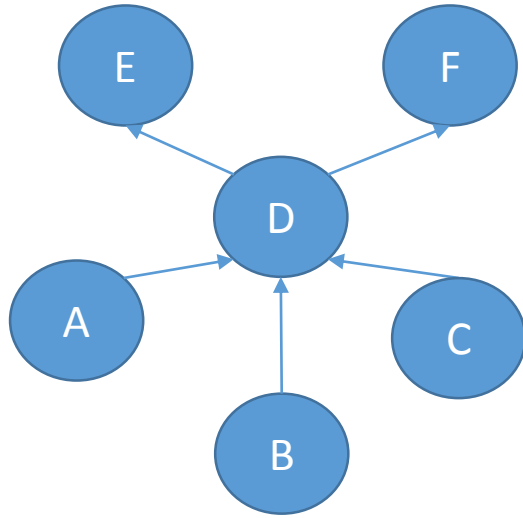
Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
G	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED
H	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B		0	CREATE	COMPLETE
B		1	DELETE	INIT
B	102	2	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D		0	CREATE	COMPLETE
D		1	UPDATE	FAILED
D	104	2	UPDATE	COMPLETE
E		0	CREATE	COMPLETE
E		1	DELETE	INIT
E	105	2	UPDATE	COMPLETE
F		0	CREATE	COMPLETE
F		1	UPDATE	INIT
F	106	2	UPDATE	COMPLETE

CLEANUP



Resource Graph

Resource	needed_by	Stack_id	Traversed
A	D	1	PROCESSED
B	D	1	PROCESSED
C	D	1	PROCESSED
D	F	1	PROCESSED
D	E	1	PROCESSED
E	-	1	PROCESSED
F	-	1	PROCESSED

Resource

Name	Physical_id	Version	Action	status
A	101	0	CREATE	COMPLETE
B	102	0	UPDATE	COMPLETE
C	103	0	CREATE	COMPLETE
D	104	0	UPDATE	COMPLETE
E	105	0	CREATE	COMPLETE
F	106	0	UPDATE	COMPLETE

CLEANUP