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## Question 1

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**Question Type:** MultipleChoice

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Activity C is a

### Options:

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**A-** Contentious activity.

**B-** Continuous activity.

**C-** 1-day activity.

**D-** Milestone.

### Answer:

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D

## Question 2

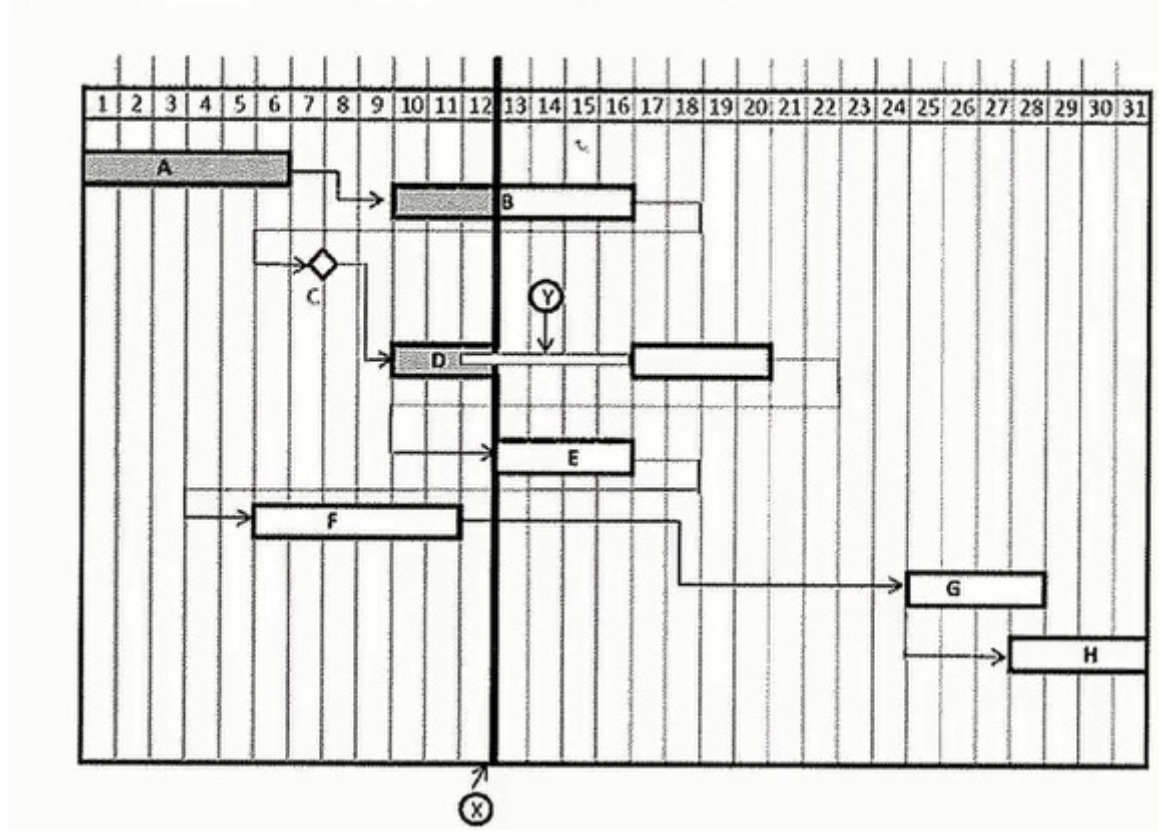
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**Question Type:** MultipleChoice

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What was the original planned duration for Activity A through Activity G?

Refer to the time-scaled network diagram and other information to answer the following questions. Please consider this to be the entire network.



Options:

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A- 26.

B- 28.

C- 24.

D- 25.

**Answer:**

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B

## Question 3

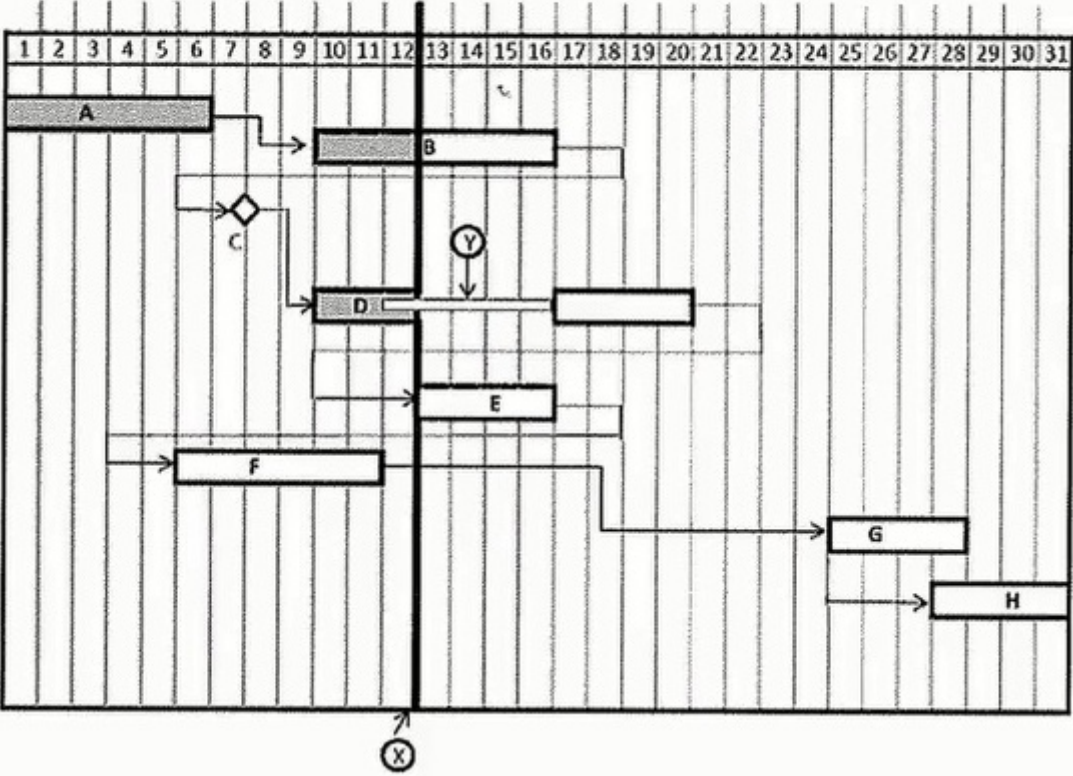
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**Question Type:** MultipleChoice

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What does the heavy, vertical line at "X" represent?

Refer to the time-scaled network diagram and other information to answer the following questions. Please consider this to be the entire network.



**Options:**

**A-** Delay fault line.

**B-** The status or data date.

**C-** Change-over limits.

**D-** International Date Line.

**Answer:**

---

B

## Question 4

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**Question Type:** MultipleChoice

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Why does activity 1001 have two successor activities?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- Because the late finish of 1001 and the late start of 7001 require two successors
- B- Because the problem could not effectively work with only one successor
- C- Because there are two defined logic paths for the work
- D- Because the duration of activities 2001, 2002 and 200.f require two successors

**Answer:**

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C

## Question 5

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**Question Type: MultipleChoice**

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Using the "normal" schedule, what is the early finish date of activity 10002 and its total float?



ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- 12-27-03 and 24 days of float
- B- 12-18-03 and 4 days of float
- C- 12-17-03 and 4 days of float
- D- 12-18-03 and 25 days of float

**Answer:**

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C

## Question 6

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**Question Type:** MultipleChoice

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As a change to the network for the current update, activity 6002 is required to begin ten days after the beginning of activity 6001. Which is the simplest logic organization?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A-** A start-to-start relationship with a ten-day lag assigned to activity 6001; activity 6002 will be dependent on activity 6001
- B-** A start-to-start to relationship for both activities 6001 and 6002 with a ten-day lag assigned to activity 6002.
- C-** A start-to-finish relationship with both activities 6001 and 6002 having a ten-day lag
- D-** A finish-to-start relationship with a ten-day lag assigned to activity 6002; activity 6001 will be dependent on activity 6002

**Answer:**

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A

## Question 7

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**Question Type:** MultipleChoice

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Why does activity 11001 not show successor activities?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- The early finish and late finish are circular
- B- It is the penultimate work required for the project
- C- The scheduler forgot to add the successor activities
- D- It is the final activity for the required work for the project

**Answer:**

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D

## Question 8

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**Question Type:** MultipleChoice

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In a "crashed" schedule, which is a chain of activities that precede activity 2004?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- 1001, 2001, 2002, 2003
- B- 2001, 2002, 2003, 2007
- C- 1001, 2002, 2003
- D- 1001, 2002, 2002, 2003, 3001

**Answer:**

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A

## Question 9

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**Question Type:** MultipleChoice

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What is the workweek period for this project?



ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- Monday through Friday
- B- Sunday through Friday
- C- Monday through Saturday
- D- Sunday through Saturday

**Answer:**

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D

## Question 10

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**Question Type:** MultipleChoice

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Theoretically construct a summary activity for activities 6001 through 6003. Identify the governing predecessor and successor activities for the hammock:

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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- A- Predecessor is activity 5001, successor is activity 8001
- B- Predecessor is activity 4001, successor is activity 8001
- C- Predecessor is activity 9001, successor is activity 9002
- D- Predecessor is activity 5001, successor is activity 8002

**Answer:**

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A

## Question 11

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**Question Type:** MultipleChoice

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Theoretically construct a summary activity for activities 2001 through 2004. Using the "normal" schedule, what is the cost of the hammock?

ID	Activity	Logic			Normal Schedule		Crashed Schedule	
		Succ.	Rel.	Lag	Days	Direct Costs	Days	Direct Costs
1000	General Conditions	11001	FF		1072	\$3,080,000	910	\$2,902,900
1001	Preliminary Civil Work	1000 2001 7001	SS FS FS		85	\$563,000	67	\$728,000
2001	River Diversion Stage 1	2002	FS		92	\$150,000	75	\$190,000
2002	River Diversion Stage 2	2003	FS		38	\$25,000	28	35,000
2003	River Diversion Dam	2004 3001	FS FS		15	\$18,000	11	\$20,000
2004	River Diversion to Pipeline	3001 7001	FS FS		38	\$96,000	38	\$96,000
3001	Excavation, Dam Site	4001 4001 5001 5001 7001	SS FF SS FF FS	15 15 65 65	30	\$482,000	100	\$515,000
4001	Excavation, Spillway	5001 5001 9001	SS FF FS	45 45	152	\$608,000	118	\$692,000
5001	Drill and Grout Dam Site	6001	FS		102	\$637,000	92	\$650,000
6001	Rock Fill: to elevation 25	6002	FS		140	\$1,352,000	105	\$1,470,000
6002	Rock Fill: to elevation 38	6003	FS		115	\$969,000	95	\$1,125,000
6003	Rock Fill: to elevation 50	8001 9002 9002 9003	FS SS FF FS	65 65	152	\$1,360,000	113	\$1,540,000
7001	Permanent Roads	11001 9004	FS FS		48	\$180,000	38	\$205,000
8001	Valve House Embankment	9004	FS		28	\$28,000	22	\$36,000
9001	Spillway – Concrete	11001 9002 9003	FS FS FS		175	\$1,120,000	155	\$1,305,000
9002	Dam Concrete	1001	FS		180	\$1,260,000	160	\$1,485,000

**Options:**

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**A-** \$271,000

**B-** \$299,000

**C-** \$139,000

**D-** \$289,000

**Answer:**

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D

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