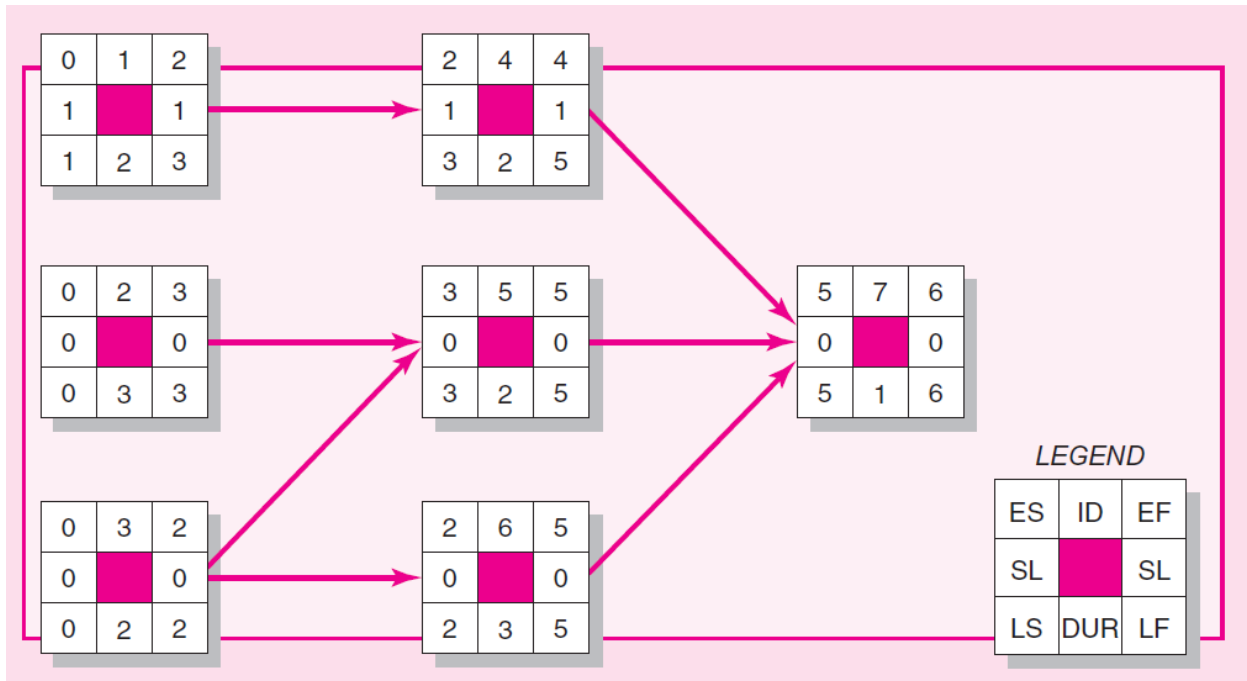


Chapter 13

Given the following project network, baseline, and status information, develop status reports for periods 1–4 and complete the project summary graph (or a similar one). Report the final SV, CV, CPI, and PCIB. Based on your data, what is your assessment of the current status of the project? At completion?



Schedule information						Baseline budget needs (\$ 000)						
ACT/ WP	DUR	ES	LF	SL	Total PV	Time period						
						0	1	2	3	4	5	6
1	2	0	3	1	12	4	8					
2	3	0	3	0	15	3	7	5				
3	2	0	2	0	8	4	4					
4	2	2	5	1	6			3	3			
5	2	3	5	0	10				6	4		
6	3	2	5	0	9			3	3	3		
7	1	5	6	0	5							5
Total PV by period						11	19	11	12	7	5	
Cumulative PV by period						11	30	41	53	60	65	

Status Report: Ending Period 1

(\$000)

Task	%Complete	EV	AC	PV	CV	SV
1	50%	—	6	4	—	—
2	40%	—	8	3	—	—
3	25%	—	3	—	—	—
Cumulative Totals		—	17	—	—	—

Status Report: Ending Period 2

(\$000)

Task	%Complete	EV	AC	PV	CV	SV
1	Finished	—	13	—	—	—
2	80%	—	14	—	—	—
3	75%	—	8	—	—	—
Cumulative Totals		—	35	—	—	—

Status Report: Ending Period 3

(\$000)

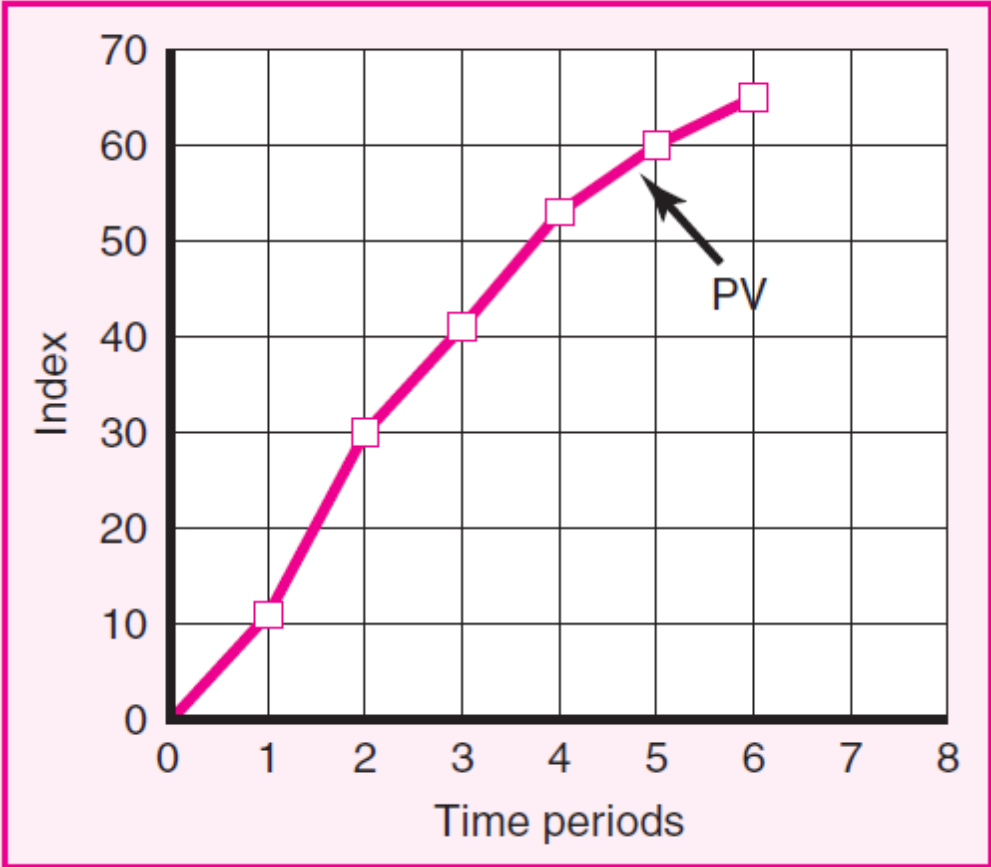
Task	%Complete	EV	AC	PV	CV	SV
1	Finished	12	13	—	—	—
2	80%	—	15	—	—	—
3	Finished	—	10	—	—	—
4	50%	—	4	—	—	—
5	0%	—	0	—	—	—
6	33.3%	—	4	—	—	—
Cumulative Totals		—	—	—	—	—

Status Report: Ending Period 4

(\$000)

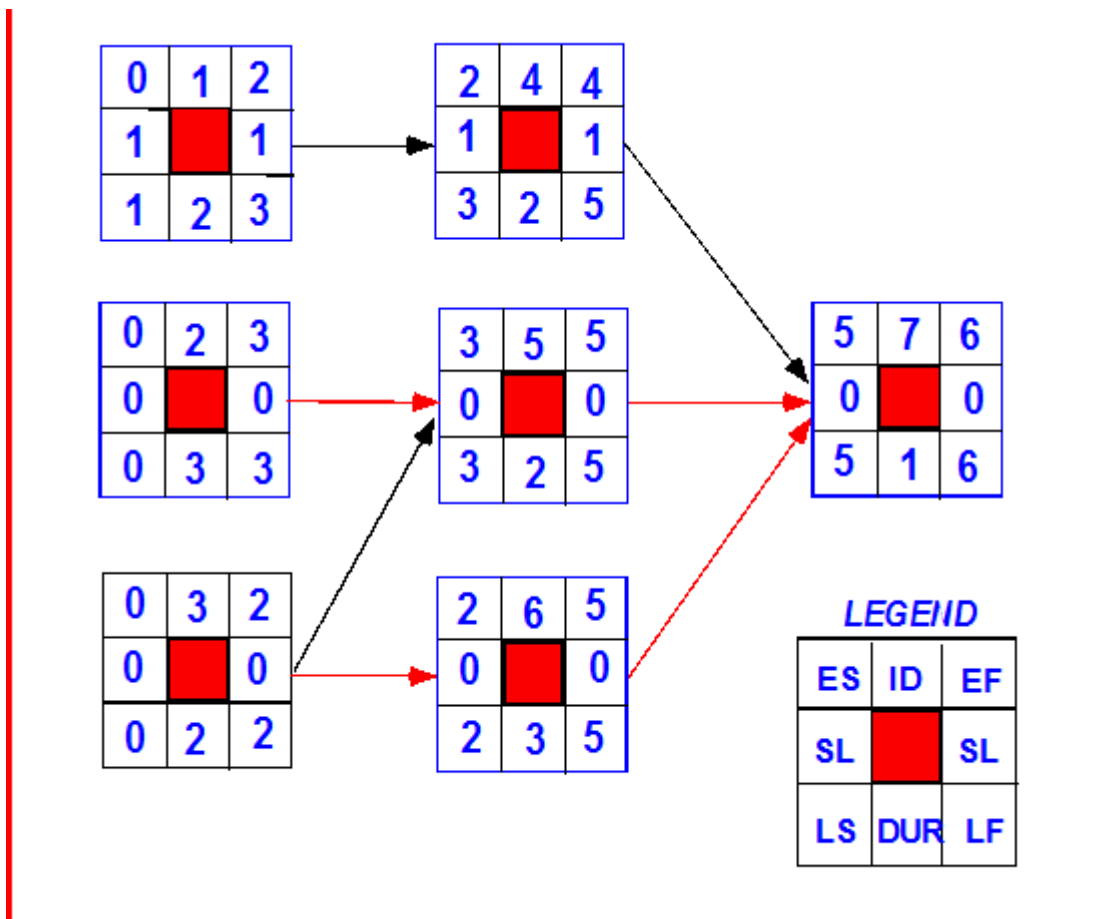
Task	%Complete	EV	AC	PV	CV	SV
1	Finished	12	13	—	—	—
2	Finished	15	18	—	—	—
3	Finished	—	10	—	—	—
4	Finished	—	8	—	—	—
5	30%	—	3	—	—	—
6	66.7%	—	8	—	—	—
7	0%	—	0	—	—	—
Cumulative Totals		—	—	—	—	—

Summary Graph



Answer

After 4 time periods the project is roughly 77% (PCIB) complete and is current getting only 83 cents worth of work for each dollar spent. The project is currently \$10,000 over budget. There is \$3,000 worth of work on critical Activity 5 that has not been completed as planned so the project is behind schedule. Since so much of the project has been completed the project is expected to come in over budget. The forecast cost at completion is \$78,000 which is \$13,000 over budget. Whether the project will be completed on schedule will depend upon whether Activity 5 can make up for lost time.



SCHEDULE INFORMATION						BASELINE BUDGET NEEDS (\$ 000)						
ACT/ WP	DUR	ES	LF	SL	TOTAL PV	TIME PERIOD						
						0	1	2	3	4	5	6
1	2	0	3	1	12	4	8					
2	3	0	3	0	15	3	7	5				
3	2	0	2	0	8	4	4					
4	2	2	5	1	6			3	3			
5	2	3	5	0	10				6	4		
6	3	2	5	0	9			3	3	3		
7	1	5	6	0	5							5
TOTAL PV BY PERIOD						11	19	11	12	7	5	
CUMULATIVE PV BY PERIOD						11	30	41	53	60	65	

Status Report: Ending Period 1 (\$000)

Task	% Complete	EV	AC	PV	CV	SV
1	50%	6	6	4	0	+2
2	40%	6	8	3	-2	+3
3	25%	2	3	4	-1	-2
Cumulative Totals		14	17	11	-3	+3

Status Report: Ending Period 2 (\$000)

Task	% Complete	EV	AC	PV	CV	SV
1	Finished	12	13	12	-1	0
2	80%	12	14	10	-2	+2
3	75%	6	8	8	-2	-2
Cumulative Totals		30	35	30	-5	0

Status Report: Ending Period 3 (\$000)

Task	% Complete	EV	AC	PV	CV	SV
1	Finished	12	13	12	-1	0
2	80%	12	15	15	-3	-3
3	Finished	8	10	8	-2	0
4	50%	3	4	3	-1	0
5	0%	0	0	0	0	0
6	33.3%	3	4	3	-1	0
Cumulative Totals		38	46	41	-8	-3

Status Report: Ending Period 4 (\$000)

Task	% Complete	EV	AC	PV	CV	SV
1	Finished	12	13	12	-1	0
2	Finished	15	18	15	-3	0
3	Finished	8	10	8	-2	0
4	Finished	6	8	6	-2	0
5	30%	3	3	6	0	-3
6	66.7%	6	8	6	-2	0
7	0%	0	0	0	0	0
Cumulative Totals		50	60	53	-10	-3

Exercise 13-4d

