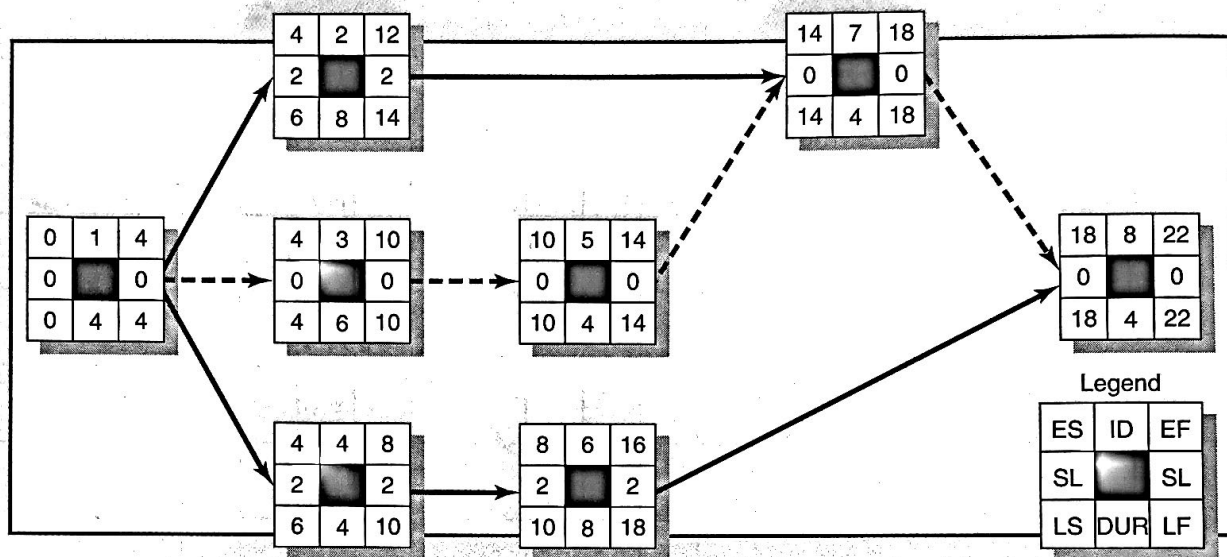


6. The following data have been collected for a British health care IT project for two-week reporting periods 2 through 12. Compute the SV, CV, SPI, and CPI for each period. Plot the EV and the AC on the summary graph provided. Plot the SPI, CPI, and PCIB on the index graph provided. (You may use your own graphs.) What is your assessment of the project at the end of period 12?



Baseline (PV) (\$00)																					
Task	Dur.	ES	LF	Slack	PV (\$00)																
						0	2	4	6	8	10	12	14	16	18	20	22				
1	4	0	4	0	8	4	4														
2	8	4	14	2	40			10	10	10	10										
3	6	4	10	0	30			10	15	5											
4	4	4	10	2	20			10	10												
5	4	10	14	0	40						20	20									
6	8	8	18	2	60					20	20	10	10								
7	4	14	18	0	20								10	10							
8	4	18	22	0	30														20	10	
Period PV total						4	4	30	35	35	50	30	20	10	20	10					
Cumulative PV total						4	8	38	73	108	158	188	208	218	238	248					

Status Report: Ending Period 2

Task	%Complete	EV	AC	PV	CV	SV
1	50%	<u>4</u>	4	<u>4</u>	<u>0</u>	<u>0</u>
Cumulative totals		<u>4</u>	4	<u>4</u>	<u>0</u>	<u>0</u>

Status Report: Ending Period 4

Task	%Complete	EV	AC	PV	CV	SV
1	Finished	<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>
Cumulative Totals		<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>

Status Report: Ending Period 6

Task	%Complete	EV	AC	PV	CV	SV
1	Finished	<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>
2	25%	<u>10</u>	15	<u>10</u>	<u>-5</u>	<u>0</u>
3	33%	<u>9.9</u>	12	<u>10</u>	<u>-2.1</u>	<u>-10</u>
4	0%	<u>0</u>	0	<u>10</u>	<u>0</u>	<u>-10.1</u>
Cumulative Totals		<u>27.9</u>	37	<u>38</u>	<u>-9.1</u>	<u>-10.1</u>

Status Report: Ending Period 8

Task	%Complete	EV	AC	PV	CV	SV
1	Finished	<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>
2	30%	<u>12</u>	20	<u>20</u>	<u>-8</u>	<u>-8</u>
3	60%	<u>18</u>	25	<u>25</u>	<u>-7</u>	<u>-7</u>
4	0%	<u>0</u>	0	<u>20</u>	<u>0</u>	<u>-20</u>
Cumulative Totals		<u>38</u>	55	<u>73</u>	<u>-17</u>	<u>-35</u>

Status Report: Ending Period 10

Task	%Complete	EV	AC	PV	CV	SV
1	Finished	<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>
2	60%	<u>24</u>	30	<u>30</u>	<u>-6</u>	<u>-6</u>
3	Finished	<u>30</u>	40	<u>30</u>	<u>-10</u>	<u>0</u>
4	50%	<u>10</u>	20	<u>20</u>	<u>-10</u>	<u>-10</u>
5	0%	<u>0</u>	0	<u>0</u>	<u>0</u>	<u>0</u>
6	30%	<u>18</u>	24	<u>20</u>	<u>-6</u>	<u>-2</u>
Cumulative Totals		<u>90</u>	124	<u>108</u>	<u>-34</u>	<u>-18</u>

Status Report: Ending Period 12

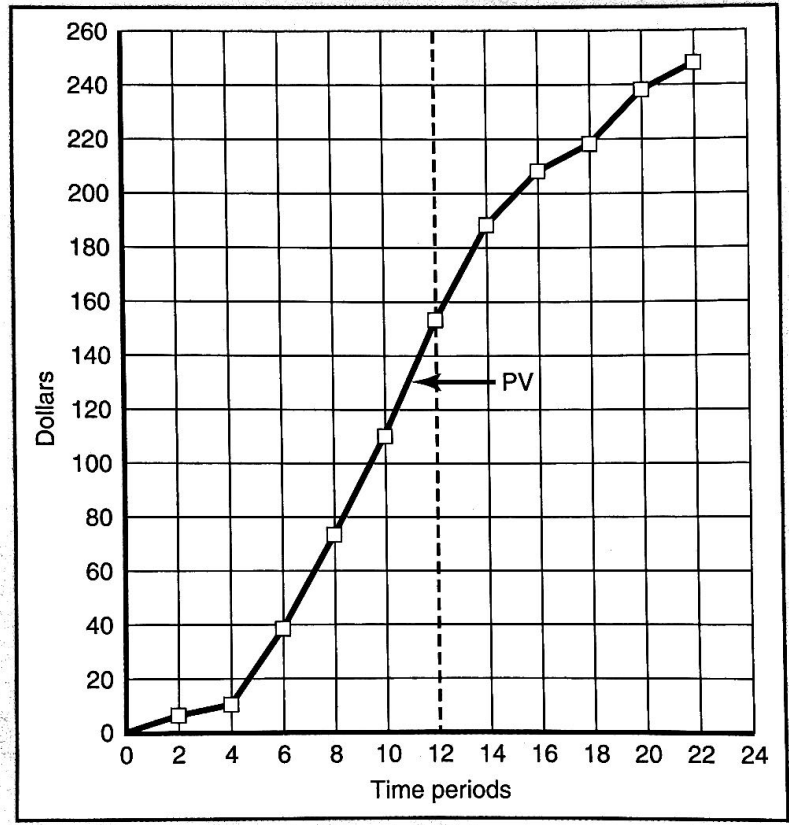
Task	%Complete	EV	AC	PV	CV	SV
1	Finished	<u>8</u>	10	<u>8</u>	<u>-2</u>	<u>0</u>
2	Finished	<u>40</u>	50	<u>40</u>	<u>-10</u>	<u>0</u>
3	Finished	<u>30</u>	40	<u>30</u>	<u>-10</u>	<u>0</u>
4	Finished	<u>20</u>	40	<u>20</u>	<u>-20</u>	<u>0</u>
5	50%	<u>20</u>	30	<u>20</u>	<u>-10</u>	<u>0</u>
6	50%	<u>30</u>	40	<u>40</u>	<u>-10</u>	<u>-10</u>
Cumulative Totals		<u>148</u>	210	<u>158</u>	<u>-62</u>	<u>-10</u>

$CPI = \frac{EV}{AC}$

Period	SPI	CPI	PCIB
2	1	1	1.6%
4	1	.8	3.2%
6	.734	.75	11.25%
8	.52	.69	15.32%
10	.83	.73	36.3%
12	.94	.705	59.7%

SPI = EV/PV
 CPI = EV/AC
 PCIB = EV/BAC

Summary Graph



Indexes Periods 2-12

