

“Project Management Using Earned Value”  
Case Study Solution 9.1

9.1

C A S E

S

Resource

T

Leveling

U

D

Y

## Resource Leveling – Part A Solution

Activity	Week									
	1	2	3	4	5	6	7	8	9	10
A	..>	..>	..>	..>	..>	..>	50	50	50	50
B		..>	..>	..>	20	20	40	..	..	..
C	30	30	..	..	..	..	..	..	..	..
D		..>	60	60	60	60	..	..	..	..
E	50	50	..	..	..	..	..	..	..	..
F		..>	..>	..>	..>	..>	..>	20	30	20
G			10	10	10	..	..	..	..	..
H		10	20	10	..	..	..	..	..	..
<b>Total</b>	<b>80</b>	<b>90</b>	<b>90</b>	<b>80</b>	<b>90</b>	<b>80</b>	<b>90</b>	<b>70</b>	<b>80</b>	<b>70</b>

## Resource Leveling – Part B Solution

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Activity	Week									
	1	2	3	4	5	6	7	8	9	10
A	..>	..>	..>	..>	..>	..>	50	50	50	50
B (r)		..>	..>	20	20	40				
C	..>	..>	30	30	..					
D		..>	..>	..>	60	60	60	60		
E (c)	50	50								
F (c,r)		20	30	20						
G			10	10	10	..	..	..	..	..
H (c,r)		10	20	10						
<b>Total</b>	<b>50</b>	<b>80</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>100</b>	<b>110</b>	<b>110</b>	<b>50</b>	<b>50</b>
<b>Total B + F + H</b>	<b>0</b>	<b>30</b>	<b>50</b>	<b>50</b>	<b>20</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>