



Tip of the Month!

Have you ever wanted to write an equation where the cost decreases by a fixed amount every year?

You can use the If() function along with the TVal() function to accomplish this!

Example: $\text{If}(\text{TTP} = 2016, 100, \text{TVal}(\text{TTP} - 1) * .9)$

WBS/CES Description	Approp	Unique ID	Point Estimate	Phasing Method	Equation / Throughput
*My Program Estimate		*Estimate			
Maintenance Cost	3400		\$ 409.510 *	F	$\text{If}(\text{TTP} = 2016, 100, \text{TVal}(\text{TTP} - 1) * .9)$

Use the If() function to identify the year where you want the first cost to appear, 2016. If this is true, then the value, 100 is placed in 2016. Otherwise, use the TVal() function along with TTP-1 to calculate a value that is 90% of the previous year's value, i.e., 90 in 2017, 81 in 2018, etc. Since the TVal() function does not contain a row reference, it retrieves the calculated cost from the current row. TTP – 1 tells TVal to return the cost from the previous year.

Results:

	WBS/CES Description	Total	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
1	*My Program Estimate							
2	Maintenance Cost	\$ 409.510		\$ 100.000	\$ 90.000	\$ 81.000	\$ 72.900	\$ 65.610

NOTE: In a real session, variables should be created for the year and cost parameters in the equation.

See *Example File 07*, row 162 for a slightly more complex example.



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