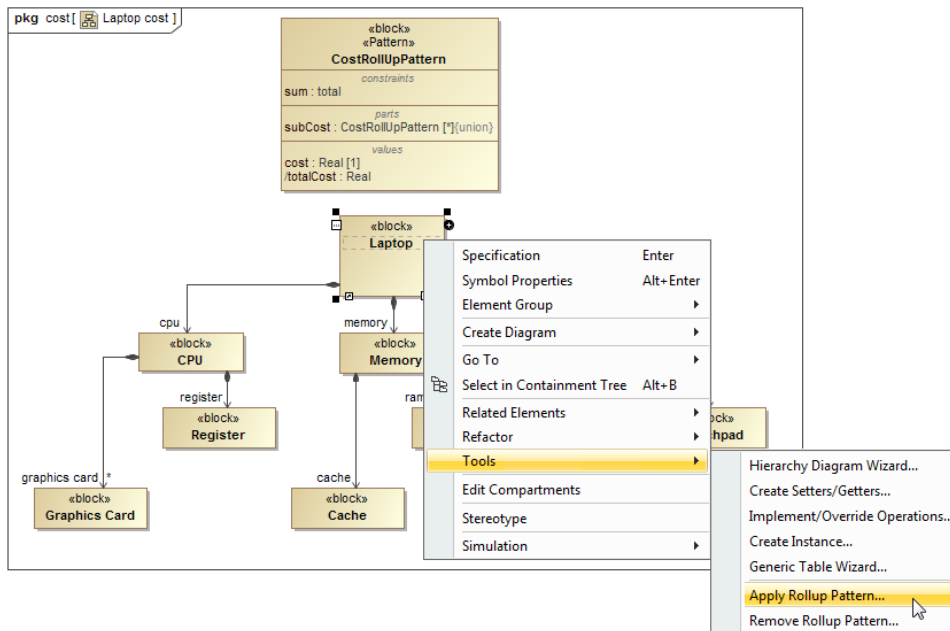



# Applying Rollup Pattern Blocks

When trying to calculate total mass, cost, power, or another system dimension based on individual values of all the parts in the model, you need to apply a pattern Block to any number of [Blocks](#) or [Instance Specifications](#) by using the [Rollup Pattern Wizard](#). It automatically applies pattern Blocks (using the [Generalization](#)) recursively, and creates property values. The procedure below describes how to apply the rollup pattern Block.

To apply the rollup pattern Block

1. Right-click the [Block](#) or [Instance Specification](#) to which you want to apply the rollup pattern Block.
2. Select **Tools > Apply Rollup Pattern**.



3. In the [Rollup Pattern Wizard](#), click , and select the pattern Block you want to apply.

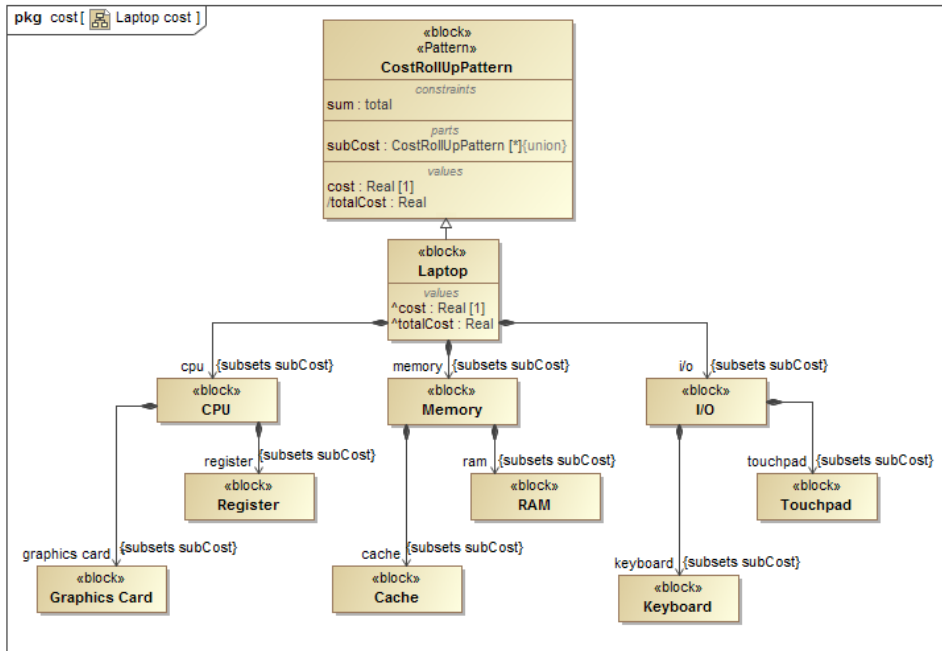
## Rollup pattern Blocks

You can select:

- The **default rollup pattern Blocks**: CostRollupPattern, MassRollupPattern, and PowerRollupPattern. They are created to calculate the total

4. Specify options:
  - **Apply Recursively** to apply the pattern Block recursively.
  - **Set Subsetted Properties** to set the Subsetted Properties of the Part Properties.
  - **Create Value Properties and Redefine** to create and redefine Value Properties.
5. Click **OK**.

The pattern Block is applied to the model elements according to selected options.



## Related pages

- [Default Rollup Pattern Blocks](#)
- [Creating new Rollup Pattern Block](#)
- [Applying Rollup Pattern Blocks](#)
- [Removing Rollup Pattern Blocks](#)

## Webinar

- [Total Mass, Cost, and Power Rollups](#)

## Sample model

The sample model used in the figures of this page is the **Laptop Cost Analysis** that comes with [Cameo Simulation Toolkit Plugin](#). To open this sample do one of the following:

- Download [LaptopCostAnalysis.mdzip](#).
- Find in modeling tool <modeling tool installation directory>\samples\simulation\LaptopCostAnalysis.mdzip