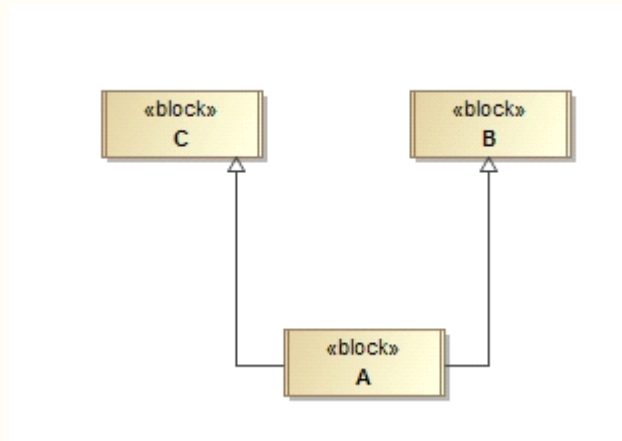


# Classifier Behavior property

A classifier Behavior property is a property to which the stereotype «ClassifierBehaviorProperty» is applied. The value of a classifier Behavior property is a Behavior simulation of the classifier Behavior of an object. Therefore, the value of the classifier Behavior property exists only after the Behavior of the object has been started (See [Executing an Object with Adjunct and Classifier Behavior Properties.](#)). The block **Integrator** has a classifier Behavior property typed by the activity **Integrator**. You will see the Behavior simulation as the value of the classifier Behavior in the **Variables** pane.

## Note: Support multiple inherited Classifier Behaviors

When a block inherits from multiple other blocks which have a classifier Behavior (CB) only one of them is run instead of all. In the figure below, block A inherits from block B and block C, however, when running the simulation, only block A Behavior is simulated. The Behaviors C and B will be not simulated.



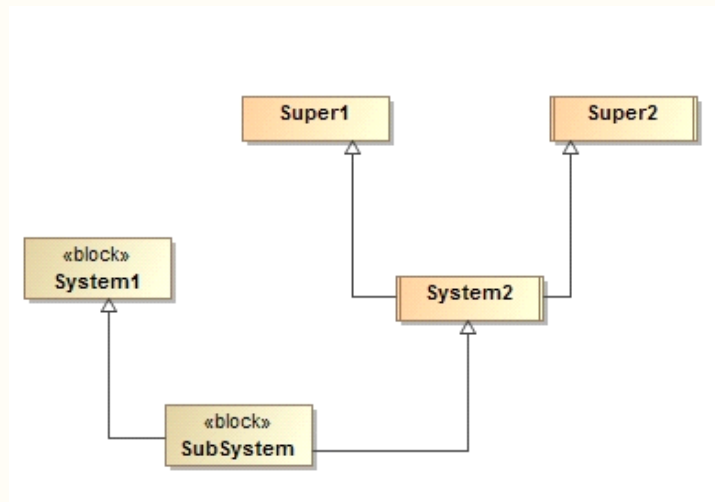
Block A inheriting from multiple blocks, B and C.

The screenshot shows the Simulation console interface. The top bar has a 'Simulation' tab. Below it, the 'Sessions' pane shows a tree structure with 'A [A@35ca2f74] (Started)' as the root, and a sub-entry 'A [A@35ca2f74] (Started)' below it. The 'Variables' pane on the right shows a table with two columns: 'Name' and 'Value'. The table contains one entry: 'A [A]' with the value 'A@35ca2f74'.

Name	Value
A [A]	A@35ca2f74

Simulation console messages showing only Block A is run.

If the specialized block does not have a CB, all inherited should be run. In the figure below, System1, System2, Super1 and Super2 Behaviors are simulated as asynchronous sessions because the SubSystem block does not have a Classifier Behavior.



Block SubSystem without any inherited Classifier Behavior.

Simulation

Simulation

Trigger: s1 Animation speed:

Sessions ×

- SubSystem [SubSystem@601aebce] (Started)
  - System1 [SubSystem@601aebce] (Started)
  - System2 [SubSystem@601aebce] (Started)
  - Super1 [SubSystem@601aebce] (Started)
  - Super2 [SubSystem@601aebce] (Started)

Variables ×

Name
SubSystem [system2, super2, super1]

Simulation console messages showing Block System1, System2, Super1 and Super2 all running asynchronously.