

# CALCULATE

## Description

Calculates fields based on the control or cell (in an edit table) losing focus.

## Syntax

*bforward* = **CALCULATE** (*ctrlentID*, *ctrlclassID*, *ctrlcolumn*)

## Parameters

CALCULATE accepts arguments for the following parameters.

| Parameter          | Description                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>ctrlentID</i>   | Has the format <i>WindowName.ControlName</i> , where <i>WindowName</i> is the identifier of the window that contains the affected control, and <i>ControlName</i> is the identifier of the control. Notice that a period separates the two values. |
| <i>ctrlclassID</i> | The type of control that recognizes the event. This event is applicable only to a control bound to a symbolic from the primary table.                                                                                                              |
| <i>ctrlcolumn</i>  | The column number.                                                                                                                                                                                                                                 |

## Returns

True or false. If false, the program execution returns to the calling procedure. If true, the event processing goes to the next level.

## See also

[Dict\\_Depend](#), [Calculate\(\)](#), [Braces Operator {}](#)

## Recalculating All Controls

```
/* code to recalculate all controls on a form, using the CTRLMAP property.
After all controls are known, loop through and send the CALCULATE event
to all the controls. */

declare subroutine send_event
window_controls = @@window->ctrlmap
window_controls_count = count(window_controls, @fm) + (window_controls # '')
for i = 1 to window_controls_count
    send_event(window_controls<i>, "CALCULATE")
next i
```

## Recalculating a Data Bound Control Based on a Change in an Edit Table

**Note:** To enable a data bound control based on a symbolic field to recalculate if a value in an edit table changes, update the [DEFPROP property](#) (not the [ARRAY property](#)) of the edit table. Then send a CALCULATE event to the data bound control, as follows:

```
Stat = Send_Event( DataBoundControlName, "CALCULATE" )
```

## Remarks

Occurs after a [LOSTFOCUS event](#) or [POSCHANGED event](#) (for an edit table). The CALCULATE event occurs when there is a relationship between two controls (or columns, in an edit table) based on a primary table. The CALCULATE event will only occur if there is a control that is based on a calculated field which is dependent on the control that is losing focus.