1 Purpose

nag_dae_ivp_dassl_cont (d02mcc) is a setup function which must be called prior to a continuation call to
nag_dae_ivp_dassl_gen (d02nec).

2 Specification

```c
#include <nag.h>
#include <nagd02.h>
void nag_dae_ivp_dassl_cont (Integer icom[])
```

3 Description

nag_dae_ivp_dassl_cont (d02mcc) is provided to permit you to signal that the next call to
nag_dae_ivp_dassl_gen (d02nec) is a continuation call. In particular, if nag_dae_ivp_dassl_gen
(d02nec) exits because the maximum number of integration steps has been exceeded, then a call to
nag_dae_ivp_dassl_cont (d02mcc) resets the step counter allowing the integration to proceed.

4 References

See Section 3 in nag_dae_ivp_dassl_gen (d02nec).

5 Arguments


This must be the same array icom as passed to the integration function nag_dae_ivp_dassl_gen
(d02nec); nag_dae_ivp_dassl_cont (d02mcc) does not require access to all of that array, hence the
smaller dimension given here.

On entry: contains details of the current state of integration as returned by nag_dae_ivp_dassl_gen
(d02nec).

On exit: one or more of the values is changed to signal to the integrator that a continuation call is
being made. This will reset the step counter to zero.

6 Error Indicators and Warnings

None.

7 Accuracy

Not applicable.

8 Parallelism and Performance

Not applicable.

9 Further Comments

None.
10 Example

See Section 10 in nag_dae_ivp_dassl_gen (d02nec).