

## ADAS Subroutine xxmkrc

```
      subroutine xxmkrc( ndcnct ,
&                        iz0    , iptnl  ,
&                        ncncnt  , icnctv
&                        )
```

```
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c
c
c ***** fortran77 subroutine: xxmkrc *****
c
c purpose:  to create the root connection vector for an element
c
c calling program: various
c
c subroutine:
c
c input : (i*4)  ndcnct      = maximum number of elements in
c                        connection vector
c input : (i*4)  iz0        = nuclear charge
c input : (i*4)  iptnl      = root partition level (0 or 1)
c
c output: (i*4)  ncncnt     = number of elements in connection vector
c output: (i*4)  cnctv()    = values of elements of connection vector
c
c routines:
c      routine      source      brief description
c      -----
c      i4unit       adas        fetch unit number for output of messages
c
c author:  h. p. summers, university of strathclyde
c          ja7.08
c          tel. 0141-548-4196
c
c date:    26/05/06
c
c version: 1.1                                date: 26/05/2006
c modified: Hugh P Summers
c          - first edition.
c
c version: 1.2                                date: 17/01/2007
c modified: Hugh P Summers
c          - corrected metastable count for Ne+0.
c
c-----
c
c      INTEGER          ICNCTV(NDCNCT),          IPTNL,          IZ0
c      INTEGER          NCNCT,          NDCNCT
```