

ADAS Subroutine xxmkrp

```
      subroutine xxmkrp( ndstack      ,  
      &                  iz0         , iptnl      ,  
      &                  ncptn_stack , cptn_stack  
      &                  )
```

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C  
C ***** fortran 77 subroutine: xxmkrp *****  
C  
C purpose: To create a root partition and return the partition block.  
C  
C  
C calling program: adas416  
C  
C subroutine:  
C  
C input : (i*4)  ndstack      = maximum partition block lines  
C input : (i*4)  iz0         = nuclear charge  
C input : (i*4)  iptnl      = root partition level (0 or 1)  
C  
C output: (i*4)  ncptn_stack = number of lines in the partition block  
C output: (c*80) cptn_stack() = character string lines of the partition  
C                          block  
C  
C  
C routines:  
C   routine      source brief description  
C   -----  
C   i4unit      adas      fetch unit number for output of messages  
C   xxopen      adas      inquire, open and allocate file to unit  
C   xxslen      adas      find non-blank characters in string  
C   xxword      adas      extract position of number in buffer  
C  
C  
C author:  h. p. summers, university of strathclyde  
C          ja7.08  
C          tel. 0141-548-4196  
C  
C date:     04/10/06  
C  
C version:  1.1 date: 04/10/2006  
C modified: hugh p summers  
C - first edition.  
C  
C version   : 1.2  
C date      : 15-01-2007  
C modified  : Hugh Summers  
C           - corrected metastable count for Ne+0.  
C  
C-----  
C-----
```

```
CHARACTER*80      CPTN_STACK (NDSTACK)  
INTEGER           IPTNL,      IZ0,      NCPTN_STACK, NDSTACK
```