NAME

calloc, cfree − core memory allocator

SYNOPSIS

```
*calloc (size)
int size;

cfree (ptr)
int *ptr;
```

DESCRIPTION

Calloc and *cfree* provide a simple general-purpose memory allocation package. *Calloc* returns a pointer to a block containing zeros of at least *size* bytes beginning on a word boundary.

The argument to *cfree* is a pointer to an area previously allocated by *calloc*; this space is made available for further allocation, but its contents are left undisturbed.

Needless to say, grave disorder will result if the space assigned by *calloc* is overrun or if some random number is handed to *cfree*.

Calloc allocates the first big enough contiguous reach of free space found in a circular search from the last block allocated or freed, coalescing adjacent free blocks as it searches. It calls *malloc* to get more core.

SEE ALSO

malloc(3C), break(2)

DIAGNOSTICS

Calloc returns a NULL (0) if there is no available memory.
Exit with the message corrupt arena means you have stored outside the bounds of a block. To get a core dump, use *adb*(1) to plant a breakpoint on *exit*(2).