```
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//  FILENAME:  eText.NeXTHack.m
//  SUMMARY:   Overrides of various private Text methods
//  CATEGORY:  NeXTHack, Mole
//  PROTOCOLS: None
//  INTERFACE: None
//  AUTHOR:    Rohit Khare
//  COPYRIGHT: ©1993,94 California Institue of Technology, eText Project
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Implementation Comments
//      Boys and girls, can you say private API? I knew you could...
//  there's more where this came from, but this is what I've verified and
//  used in lots of different apps.
//
//  my favorites: feedMe:globals:pos:arrayCount:blockCount: and doAbortion :)
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  History
//  11/21/94:  Added runForPosition:.
//  10/17/94:  Cleaned up for eText5.
//  08/05/94:  Completely Rearchitected for 5.0. RK
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Imported Interfaces
//
    #import "eText.NeXTHack.h"

//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Text Stream Hacks  Courtesy of Mike Dixon's XText Package
//
typedef struct {
    id              text;
    NXTextBlock     *block;
} textInfo;

char getPrevious(NXStream *s) {
    textInfo *info = (textInfo *) s->info;
    NXTextBlock *block = info->block->prior;

    if (!block)
        return EOF;
    s->buf_base = block->text;
    s->buf_ptr = s->buf_base + block->chars;
    s->offset -= block->chars;
    info->block = block;
    return *(--s->buf_ptr);
}

@implementation eText(NeXTHack)
```

```
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Proprietary
//
- printOneRun:a end:b into:c fonts:d colors:e run:(NXRun *)f runPos:g buf:h state:i
{
    if (strictRTF && f->info)         // prevents writing annotations in RTF
        return self;
    return [super printOneRun:a end:b into:c fonts:d colors:e run:f runPos:g buf:h 
state:i];
}

@end

@implementation eText(Mole)
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Convenience
//
- (NXRunArray *) theRuns {
    return theRuns;}
- (NXRun *) runForPosition:(int) pos {
    int     i=0,k,N;
    NXRun   *curr;

    N = theRuns->chunk.used/sizeof(NXRun);
    curr = theRuns->runs;
    for (k=0; k < N; k++) {
        i += curr->chars;
        if (i >= pos) return curr;
        curr++;
    }
    return NULL;
}

//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Delegation
//
- textDidGetKeys:sender isEmpty:(BOOL)flag {
    [etDoc touch]; return self;}
- textWillConvert:sender fromFont:from toFont:to {
    [etDoc touch]; return to;}
- textDidRead:sender paperSize:(NXSize *)paperSize {
    NXRect bnd,frm;

    [self getBounds:&bnd];
    [[self window] getFrame:&frm];
    frm.size.width += paperSize->width - bnd.size.width;
    frm.size.height += paperSize->height - bnd.size.height;
    frm.origin.y -= paperSize->height - bnd.size.height;
    [[self window] placeWindow:&frm];
    return self;
}

@end
```