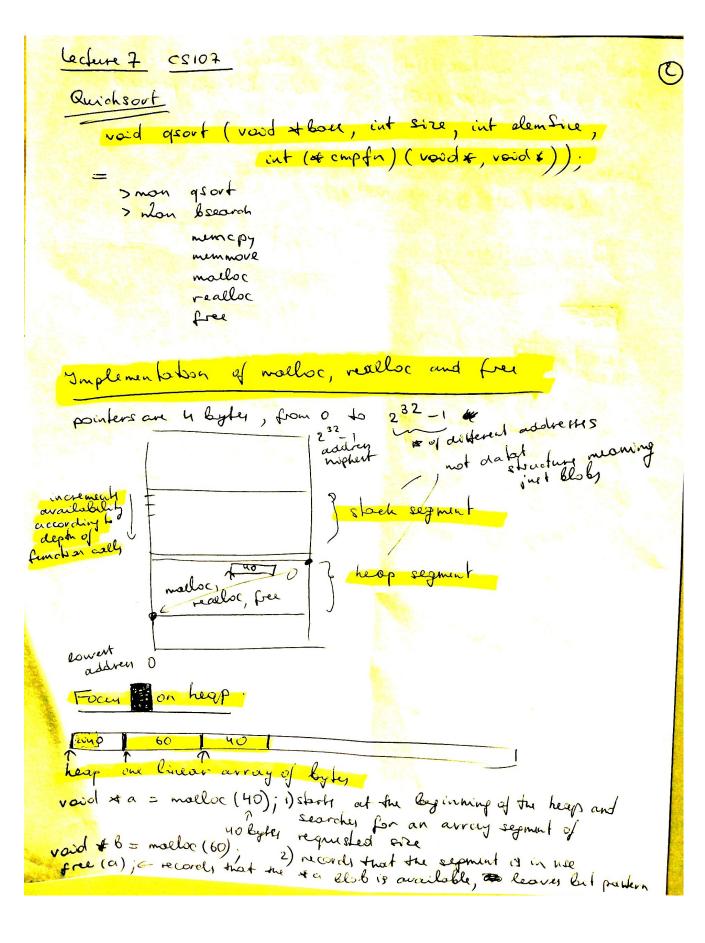
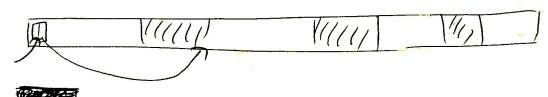


```
voud Stock Dispose (stack & s)
                                         Nucl if bowe types are
                                                 in the stock array
      of (20 free != Nucl ) {
         for (int i = 0; i a soplenator; i++) {
         > 5 - freeth ((chart) 5 - dems + i + 5 - dem Sie);
pointer to
a function ?
 function free (s - elems);
  void String Free (void & elem)
                                     & strings case:
       free (* (char **) elem);
                                        dereference and free
  Stock String Stock
   Stack New (& string Stack, sze of (char *), String Free);
  void rotate (void & front, void & middle, void & end)
     int front Size = (char *) middle - (char *) front; do arithmetic
    int back Sie = (char +) end - (char x) middle;
     char butter [ front Sie]; & exact
     memopy (Butter, front, front Size)
    mem move (frant, middle, back Size) & aanut are memopy
                                            beause overlapping
    memcpy ( (char & ) end - front Size,
                                             and memepy day not
                 Buffer, front fire);
                                                 account for it
                                           cael nem move any of
                                           have to because the
                                            source and destination
                                            regions could overlap
```



void #c = malloc (44); well look at the first void #d = malloc (20); uo block but the proceed

Data Structure used by heap manager link list of free nodes



Isre, point

traverse the linked list to determine which node can accomodate a malloc request