
Algorithm for pass 2 of a linker loader

Pass 2:

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begin
  set CSADDR to PROGADDR
  set EXEADDR to PROGADDR
  while not end of input do
    begin
      read next input record {header record}
      set CSLTH to control section length
      while record type != 'E' do
        begin
          read next input record
          if record type = 'T' then
            begin
              {if object code is in character form, convert
               into internal representation}
              move object code from record to location
                (CSADDR+specified address)
            end {if 'T'}
          else if record type = 'M' then
            begin
              search ESTAB for modifying symbol name
              if found then
                add or subtract symbol value at location
                  (CSADDR+specified address)
              else
                set error flag (undefined external symbol)
              end {if 'M'}
            end {while != 'E'}
          if an address is specified {in End record } then
            set EXEADDR to (CSADDR+specified address)
            add CSLTH to CSADDR
          end {while not EOF}
          jump to location given by EXECADDR {to start execution of loader programs}
        end {pass 2}
```
