Linking Loader Pass 1

Write a program to implement Pass1 of a Linking Loader.

Inputs:

- An Object Program file for an SIC/XE program containing different subroutines
- Starting address will be given by the user

INPUT FILE

```
H PROGA 0000 1000
D LISTA 0040 ENDA 0054
R LISTB ENDB LISTC ENDC
T 0020 141033 465555 678909 568787 345678
T 0054 000014 789087 776555 876666 456666
M 0054 06 +LISTC
E 0000

H PROGB 0000 2000
D LISTB 0040 ENDB 0054
R LISTA ENDA LISTC ENDC
T 0020 141033 465555 678909 568787 345678
T 0054 000000 789087 776555 876666 456666
M 0054 06 +ENDA
M 0054 06 -LISTA
M 0054 06 +LISTC
E 0000

H PROGC 0000 3000
D LISTC 0040 ENDC 0054
R LISTA ENDA LISTC ENDB
T 0020 141033 465555 678909 568787 345678
T 0054 000020 789087 776555 876666 456666
M 0054 06 +ENDA
M 0054 06 -LISTA
M 0054 06 +PROGC
E 0000
END
```