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CS143A Principles on Operating Systems Discussion 05:

Instructor: Prof. Anton Burtsev

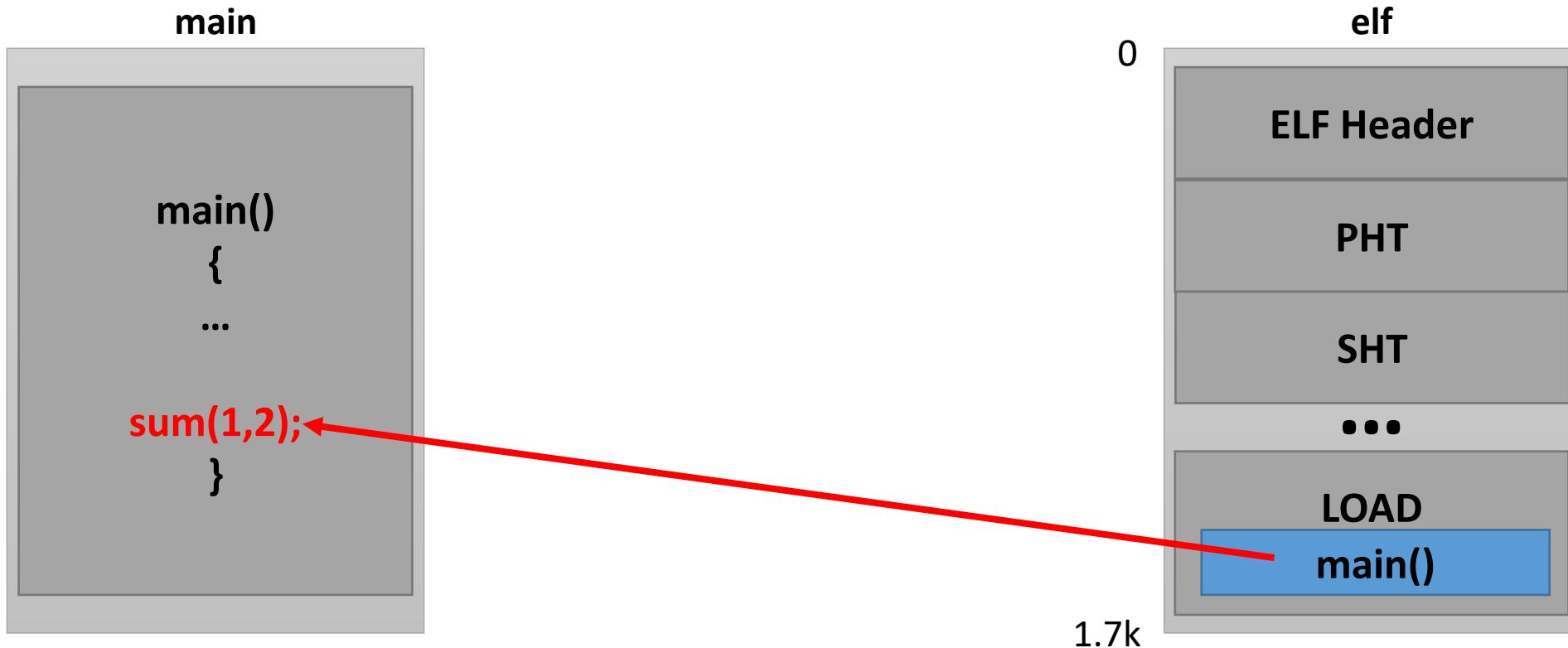
TA: Saehanseul Yi (Hans)

Nov 1, 2019 **1 PM**

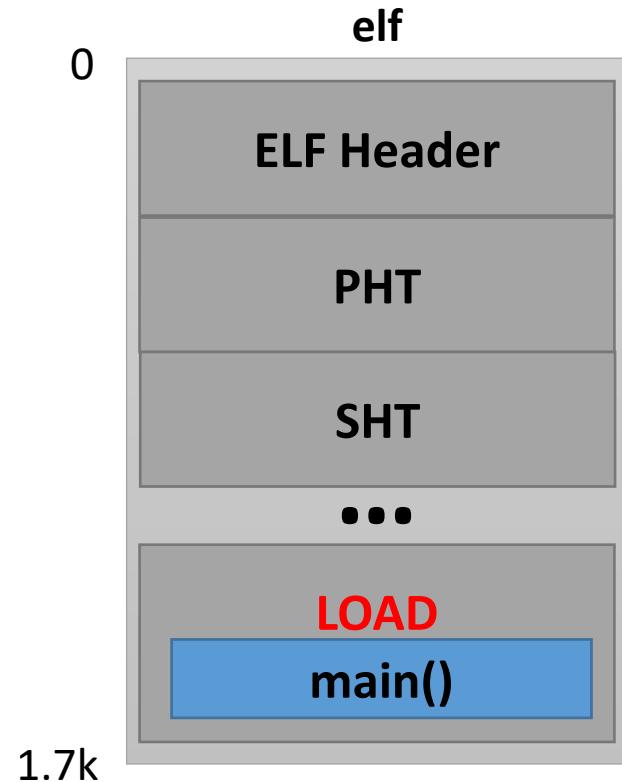
Agenda

- HW2 Walk-through
- Debugging seg fault

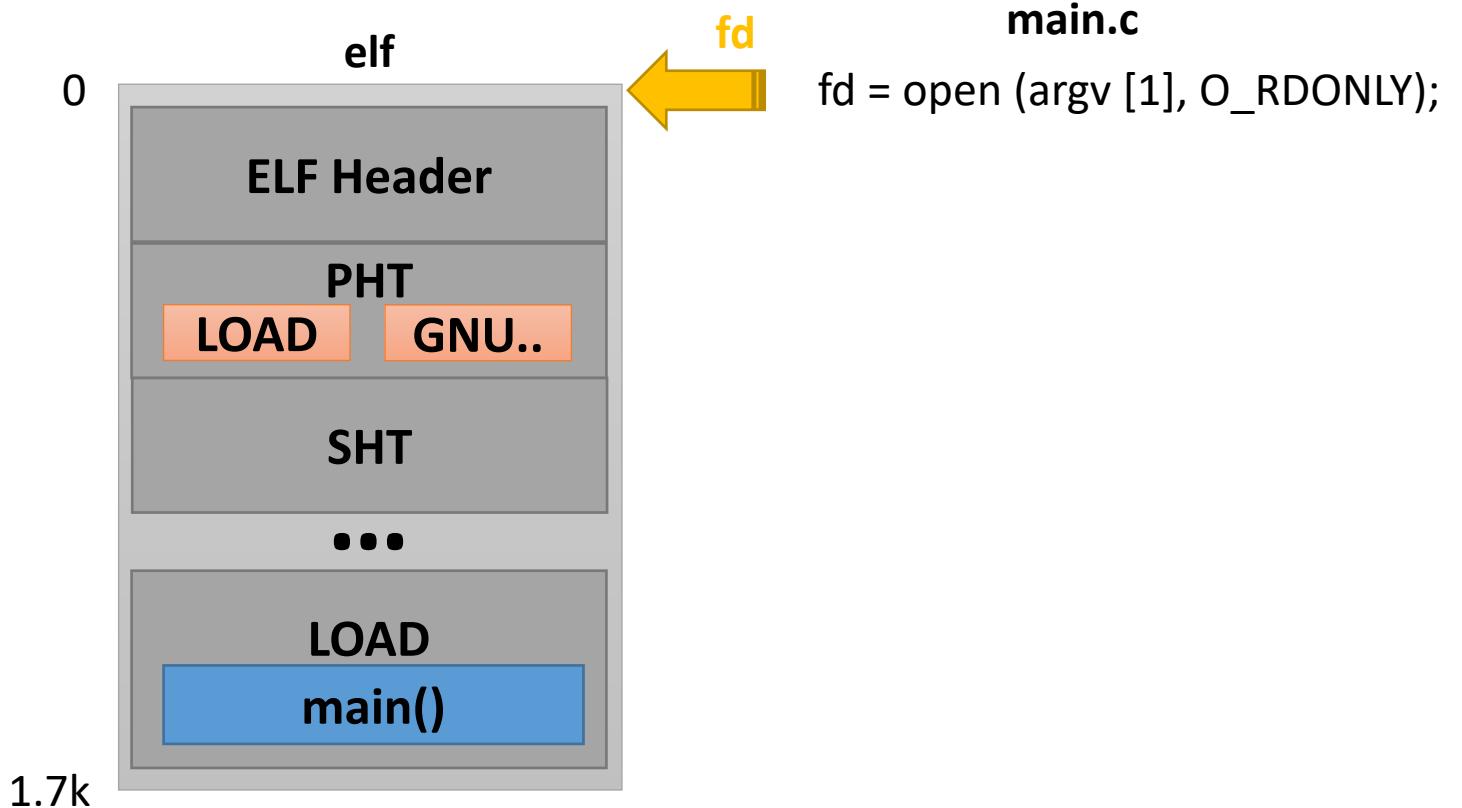
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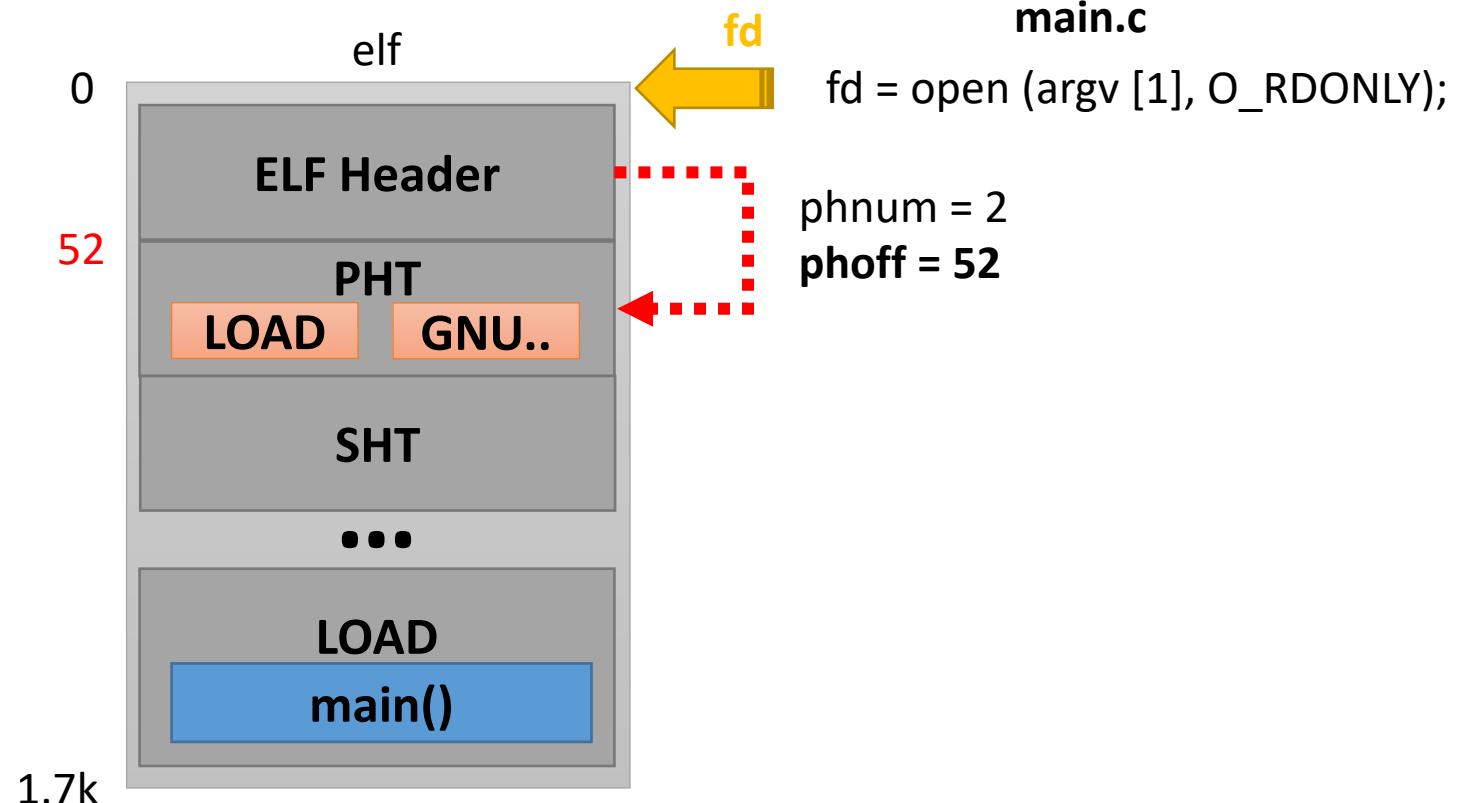
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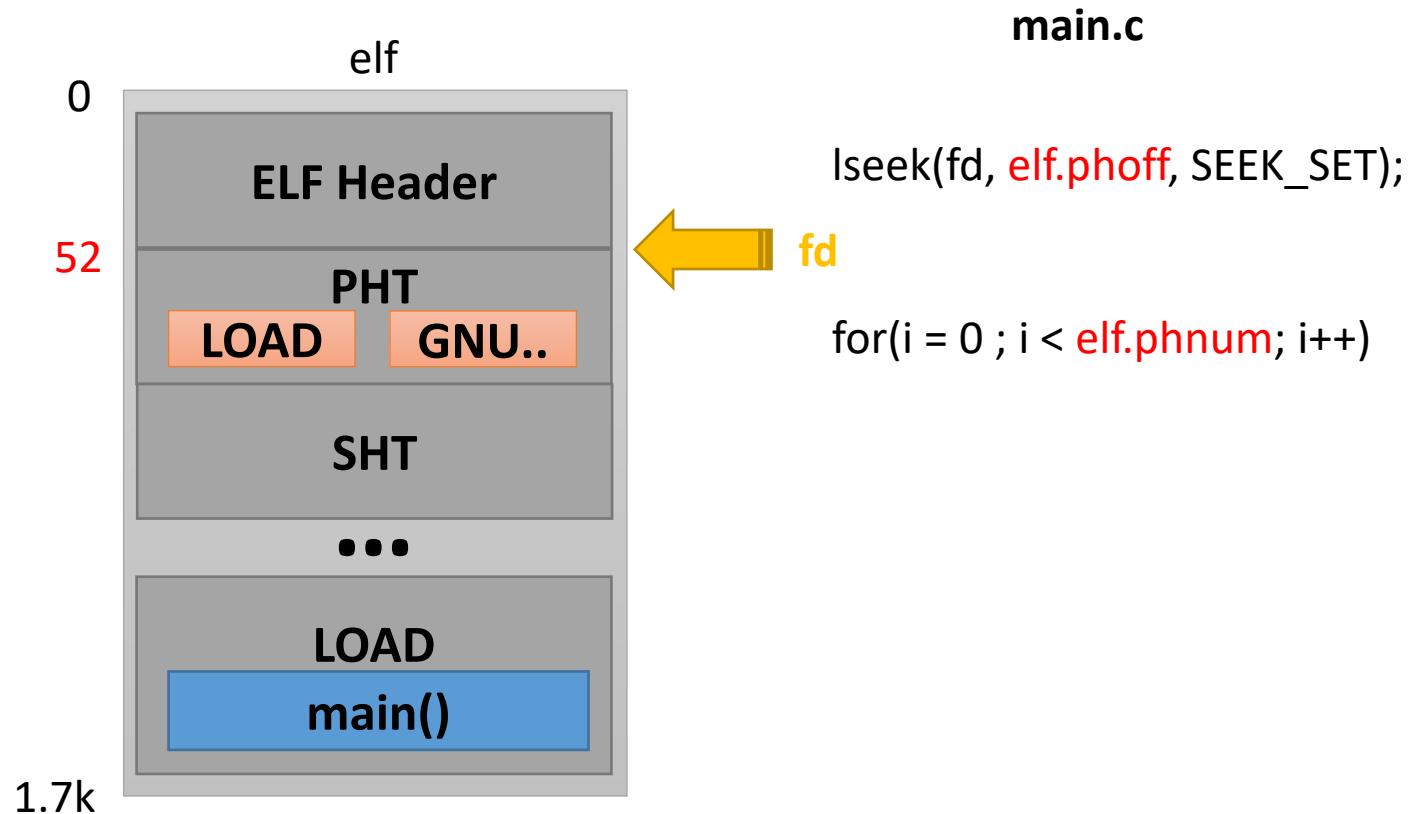
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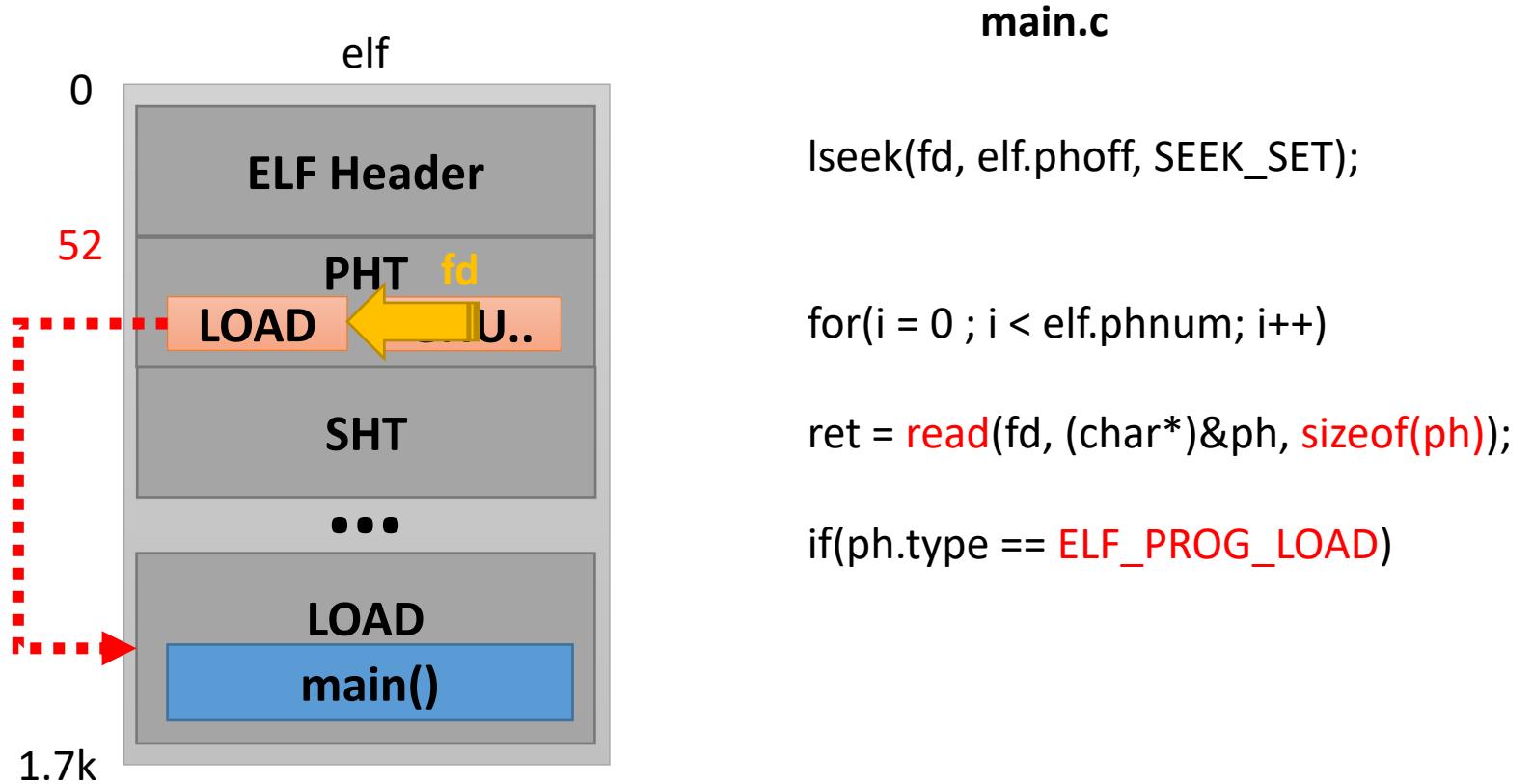
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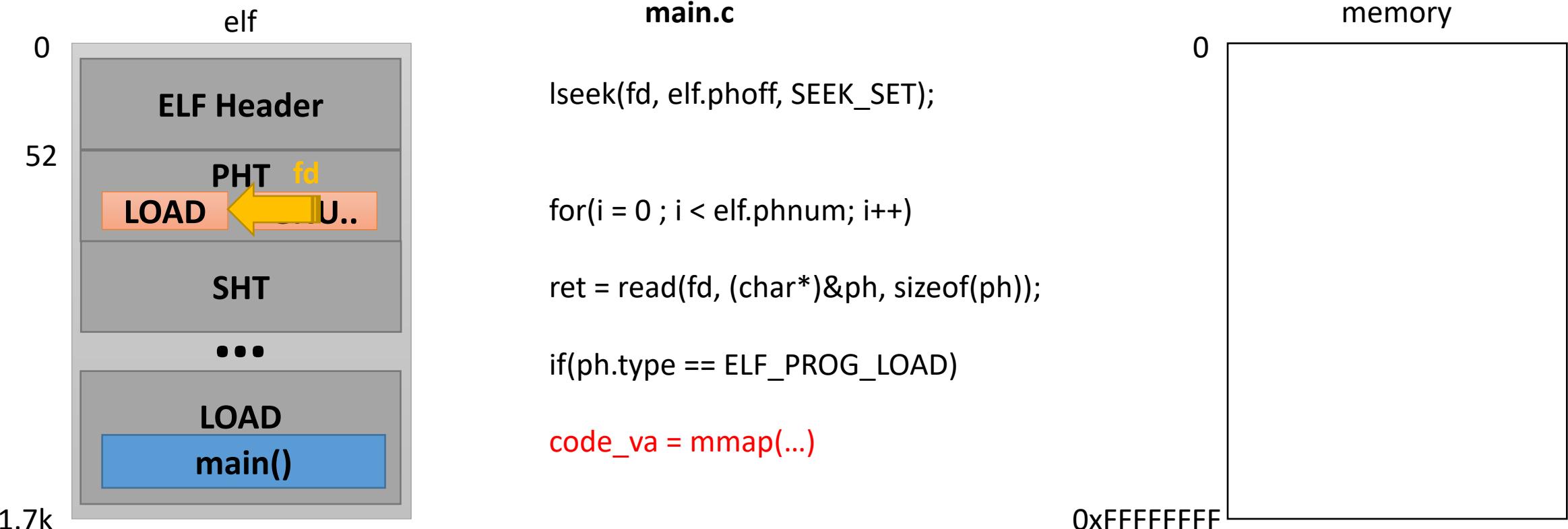
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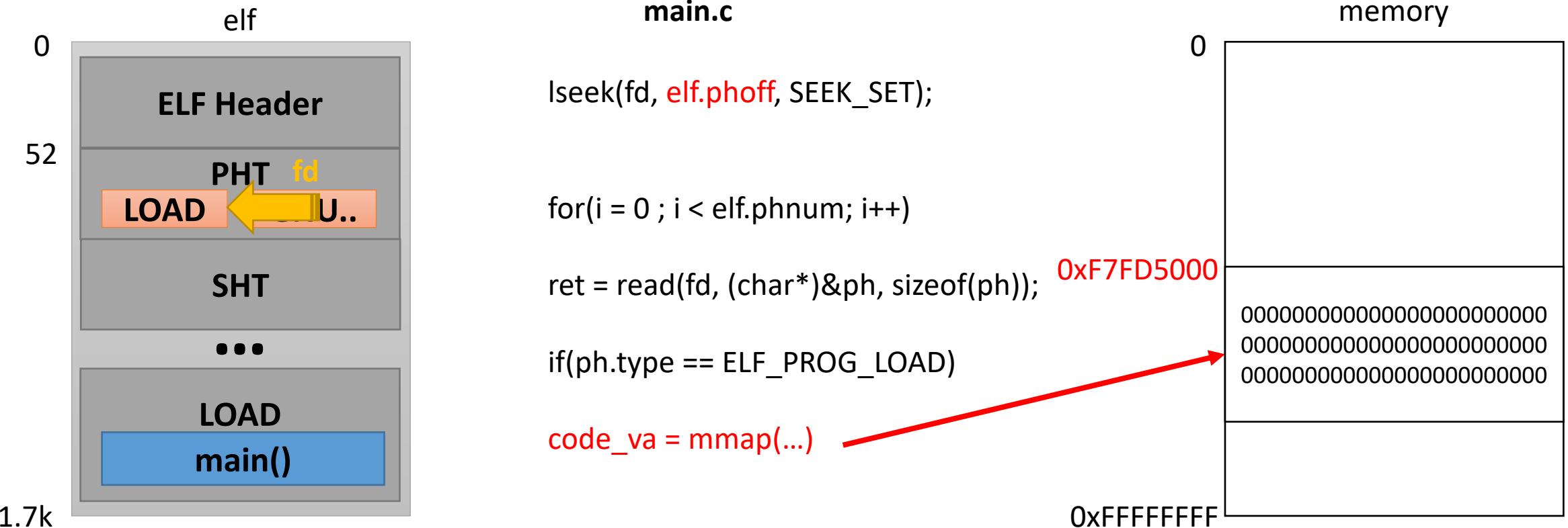
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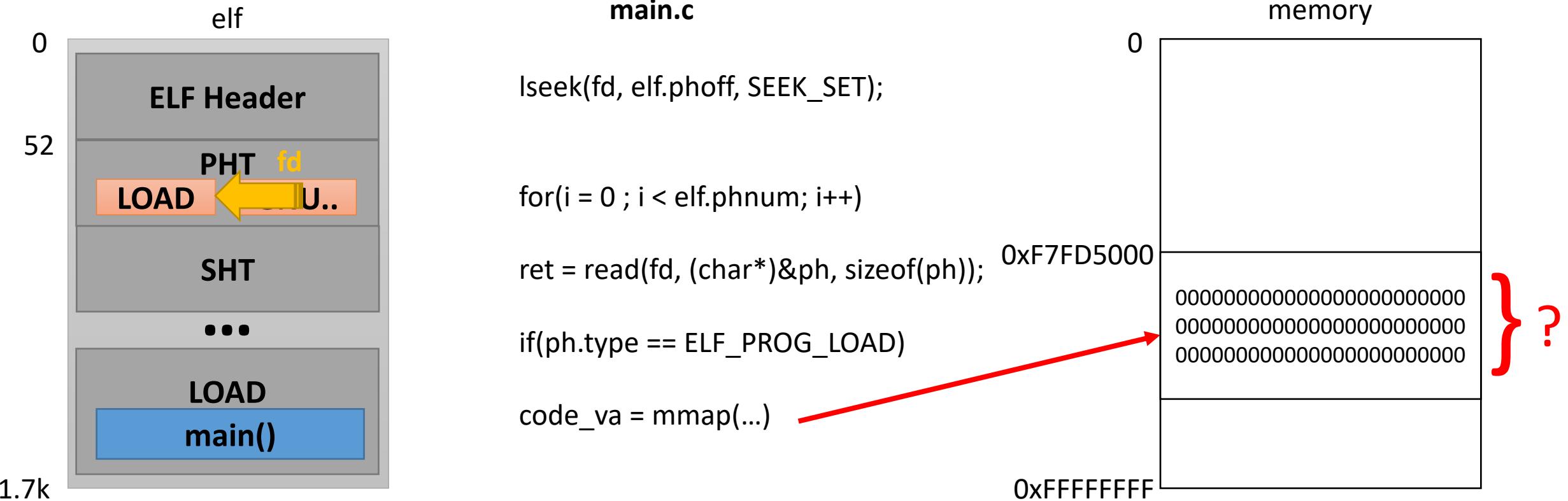
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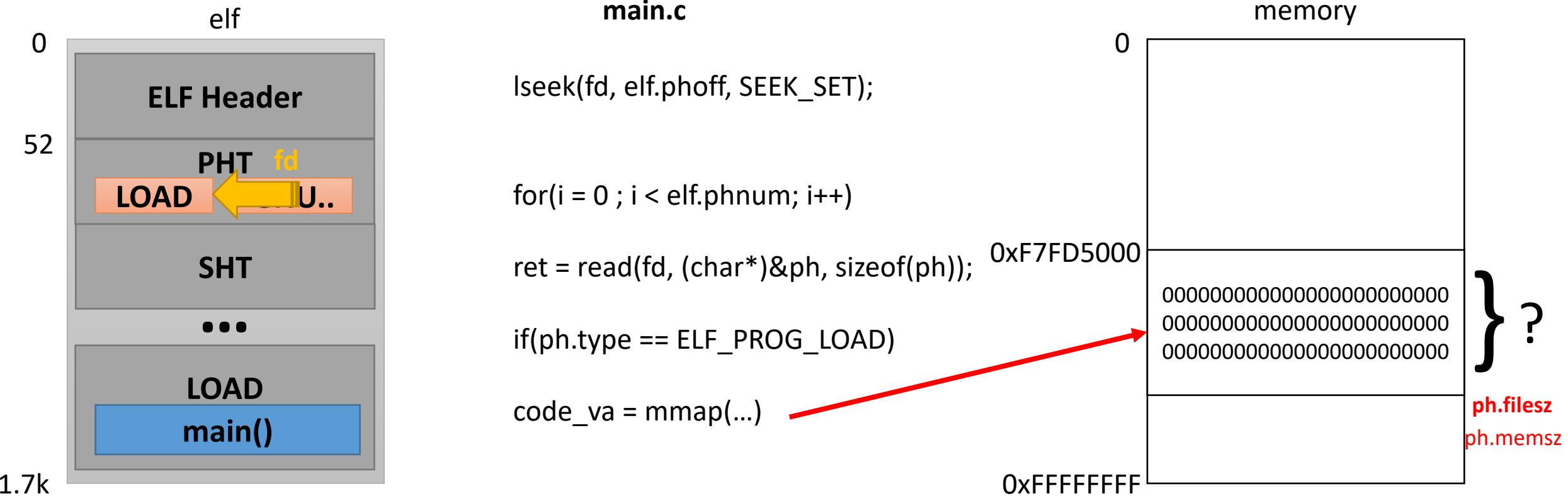
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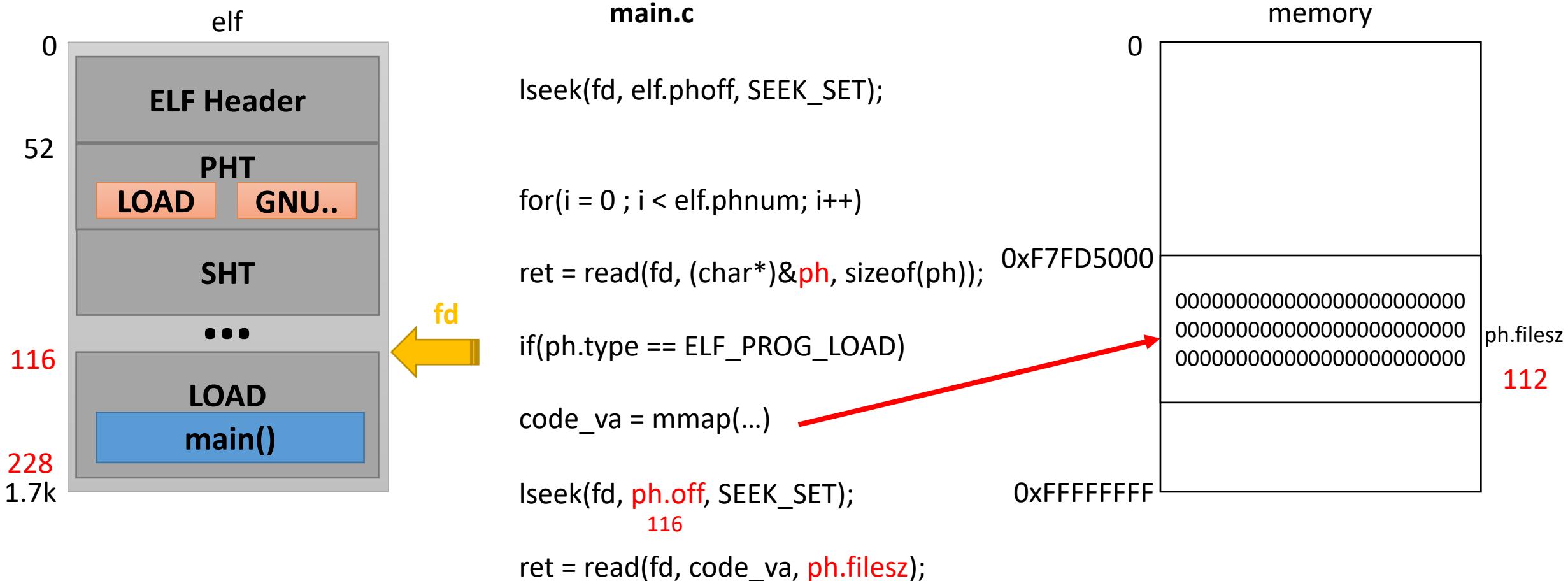
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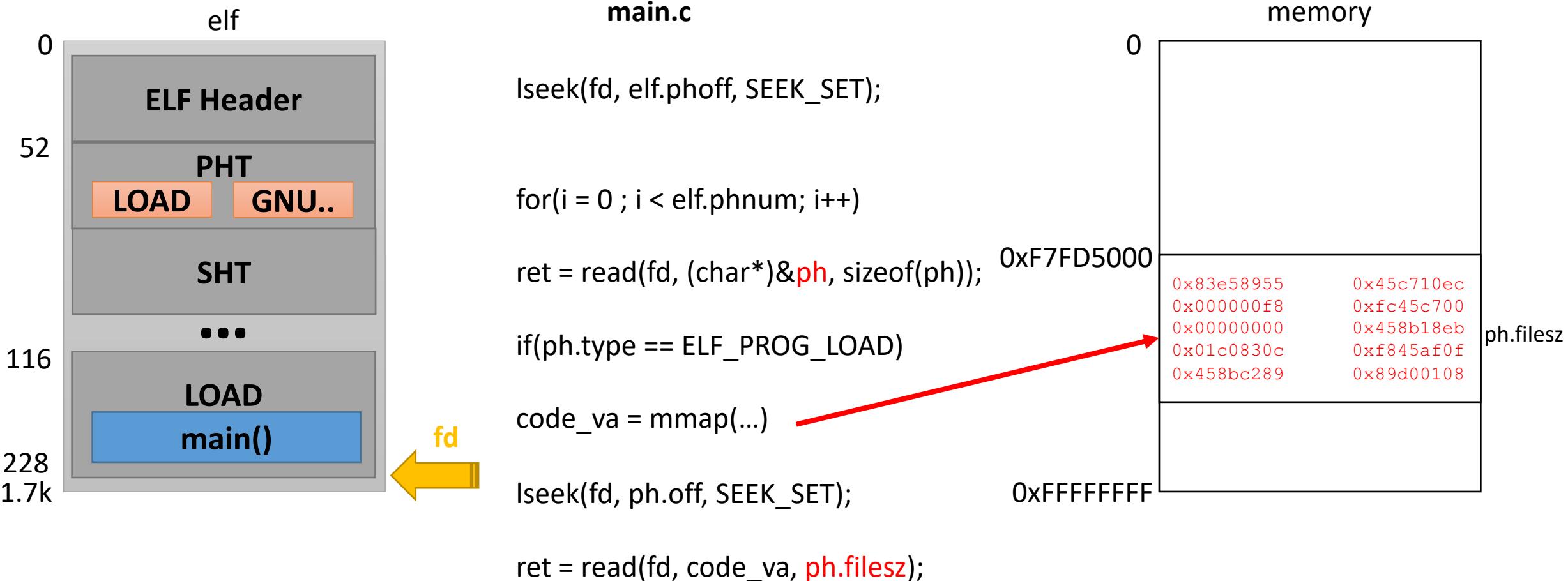
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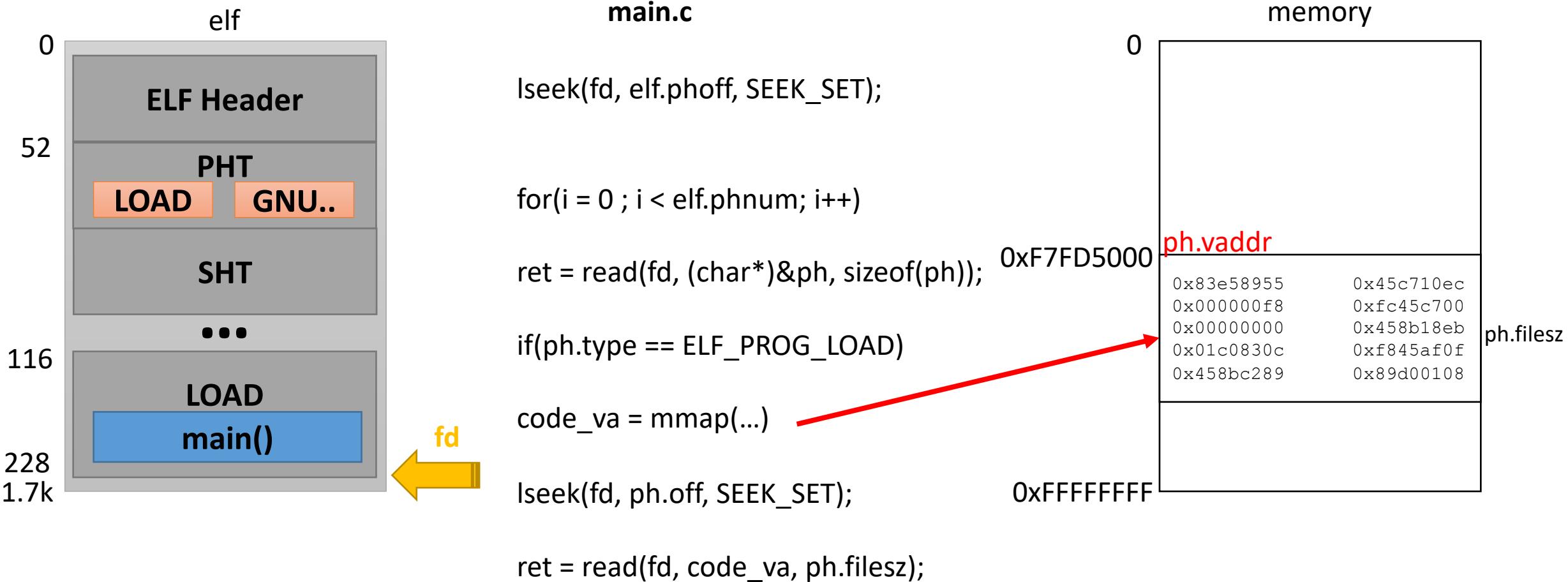
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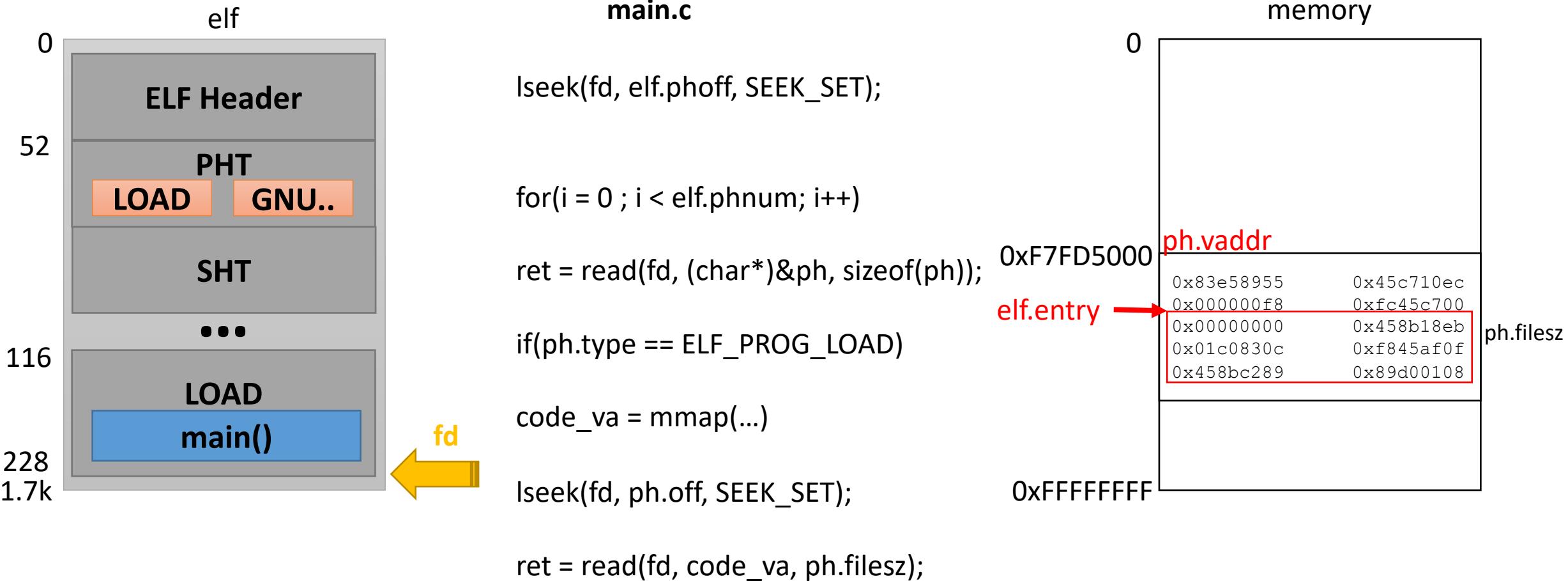
HW2-ELF



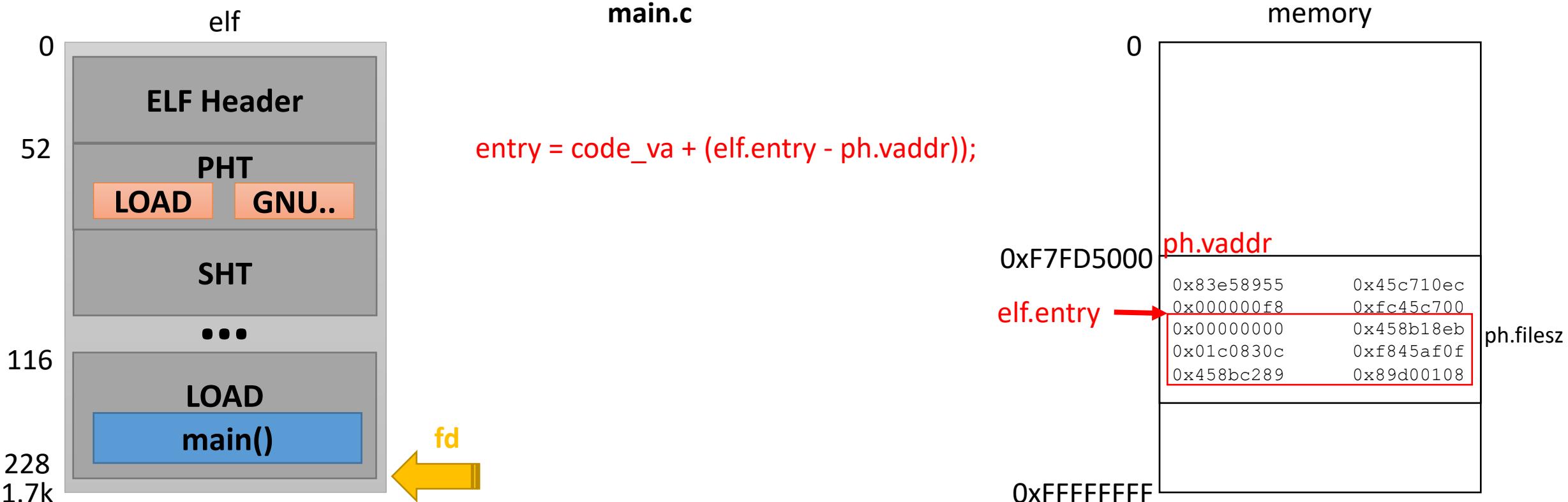
HW2-ELF



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In our homework, both elf.entry and ph.vaddr are 0
The picture is intentionally wrong for general cases.

Debugging Segmentation Fault

- First, where did it happen?

Backtrace

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- If you can locate, you're lucky
Otherwise, follow the code

Debugging Segmentation Fault

- First, where did it happen?
Backtrace
- If you can locate, you're lucky
Otherwise, follow the code
- Check memory contents, variables, ...