

Capítulo 1

Task 05: Effect of Writing on Page Table

1.1 Task Description

This task involves observing the changes in the page table when writing to a pointer. The goal is to understand how the page table entries are updated during write operations.

1.2 Planned Implementation

1. Setup:

- Use the previous example where paging is enabled, and the first 4MB is mapped.
- Declare a pointer (`ptr2`) that points to a virtual address within the mapped range.

2. Write Operation:

- Write a value to the memory location pointed to by `ptr2`.

3. Observe Changes:

- Print the value of the root page table entry (`raiz[1]`) before and after the write operation.

4. Expected Behavior:

- The page table entry should reflect the changes caused by the write operation.

1.3 Expected Outcome

- The value of `raiz[1]` should change after the write operation, indicating that the page table has been updated to reflect the write.

1.4 Implementation Details

(To be filled after implementation)

1.5 Challenges

(To be filled after implementation)

1.6 Final Outcome

(To be filled after implementation)