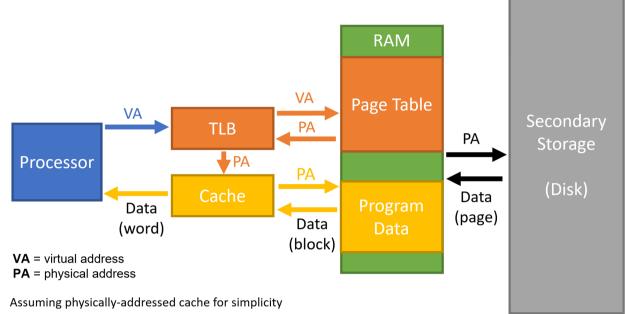
HW9.5. Resolving a Page Fault

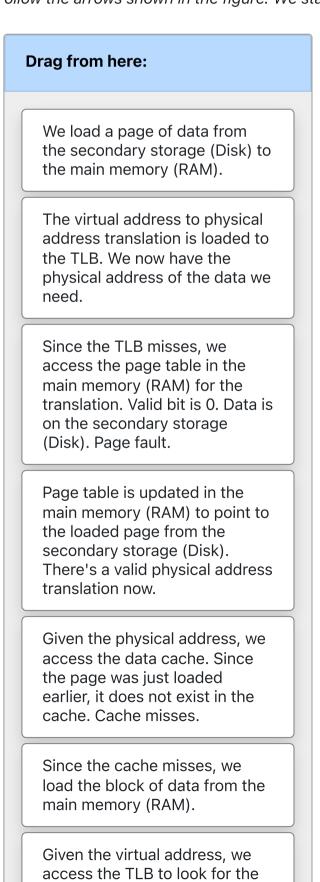
A page fault occurs when the data that the program requests is not present in the main memory. For this question, we will try to enumerate the steps (in order) when resolving a page fault.

As a recap, the memory hierarchy would look like the following:

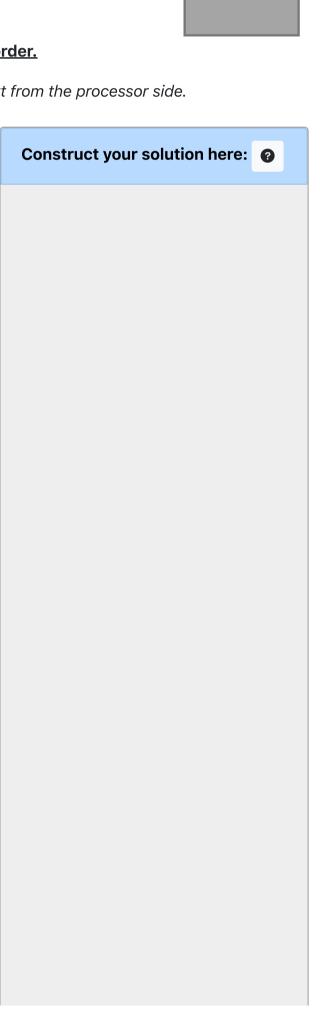


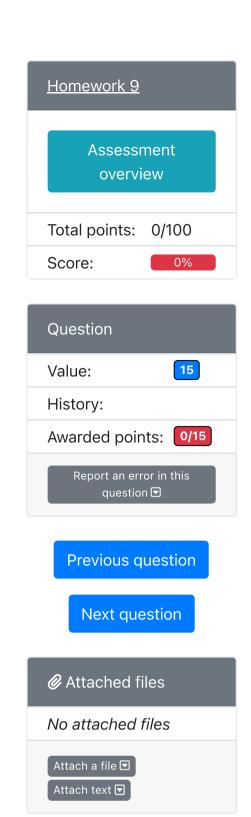
Arrange the following steps in the correct order.

Follow the arrows shown in the figure. We start from the processor side.



physical address translation.





No translation exists for that address. TLB misses.

The cache can now return the corresponding data word to the processor.

Save & Grade 20 attempts left

Save additional attempts available with new variants