

REPORT OF CHANGES

1. Again in test.c it checks if the first virtual address allocated is the same as the virtual address that we get after freeing all previous allocations and calling `t_malloc` again. This is important as it reduces the memory footprint of the page table.
2. We get a segmentation fault when we try to allocate a memory of more than a single page. To check it, update array size 4356 and size 33, and page size 4096 in test.c
3. TLB miss rate is generally in the order of 0.007. But it is really high in your case. It could be possible that you are storing the entire virtual address, including the offset in the tag, which is causing it, but I am not sure about it, so you will have to verify that.

[illegible]

I also worked on the TLB miss rate. I was initially adding TLB entry in the pageMap function; as a result, the miss rate was coming out to be 0, So I removed it from pageMap because actual lookup and adding should happen while translating only.

