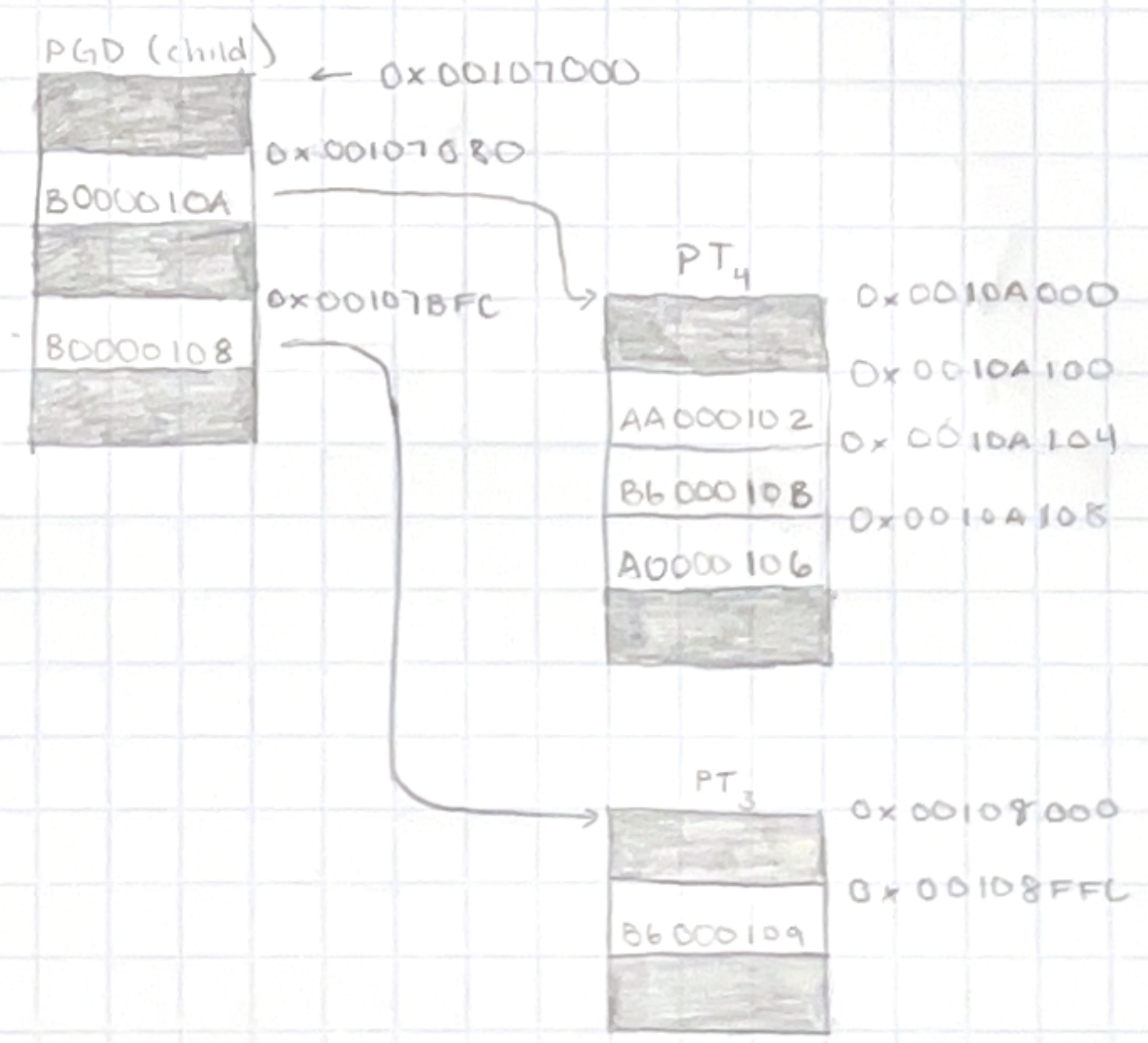
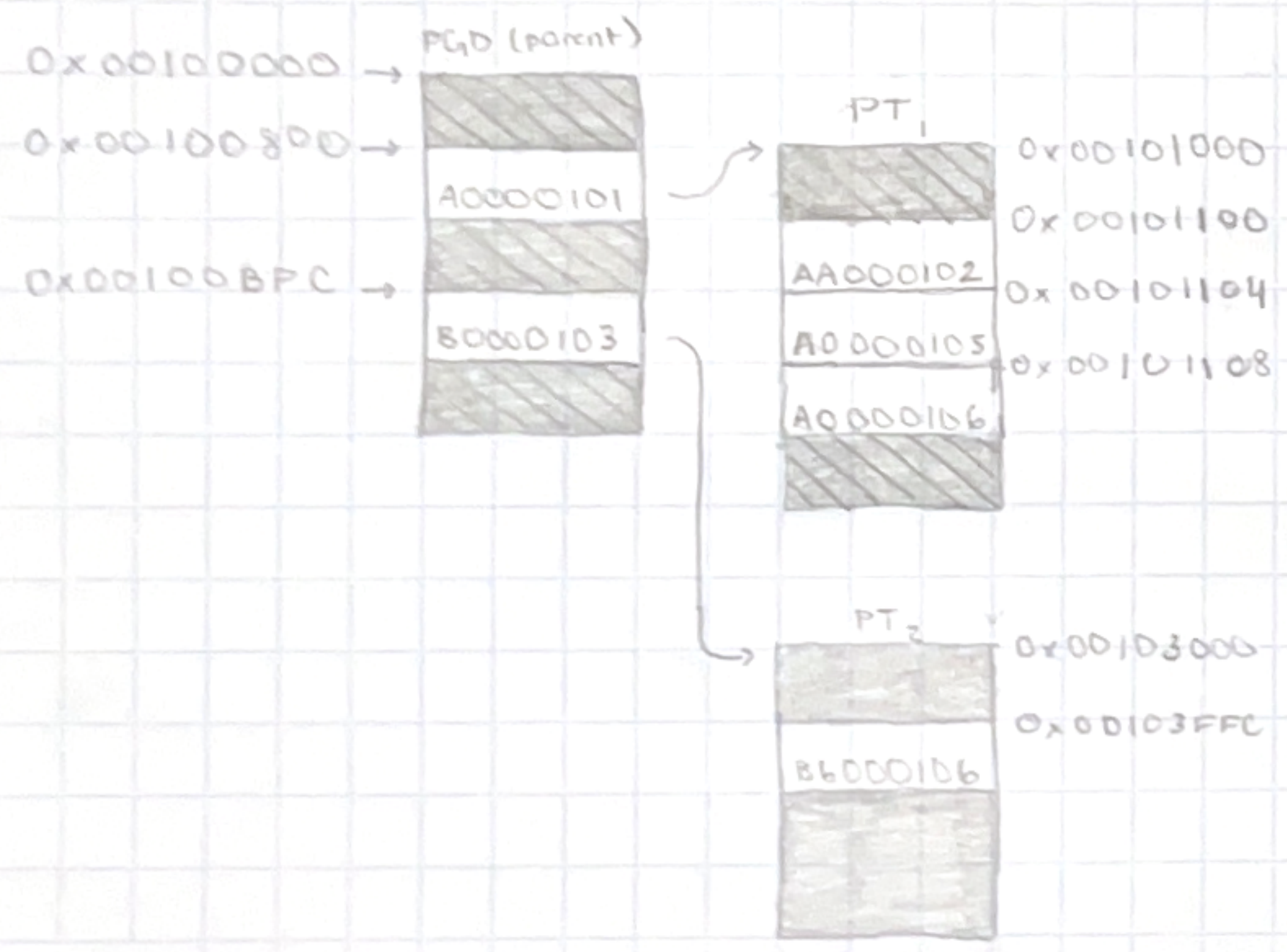


### Virtual Address Space

- ① create PGD (parent) and associated PT<sub>1</sub>
- ② text region gets loaded into PT<sub>1</sub>
- ③ stack gets new PT<sub>2</sub> and new page for stack gets loaded into its PT<sub>2</sub>
- ④ data gets loaded into PT<sub>1</sub>, then BSS into PT<sub>1</sub>
- ⑤ child PGD gets created and a PT<sub>3</sub> for its stack gets created. Note text/data/bss shared w/ parent. Then new PTE is created in the new PT<sub>3</sub> for stack.
- ⑥ when we manipulate data region in child, PT<sub>4</sub> is created and a new PTE for the data region too.



### Physical Address Space