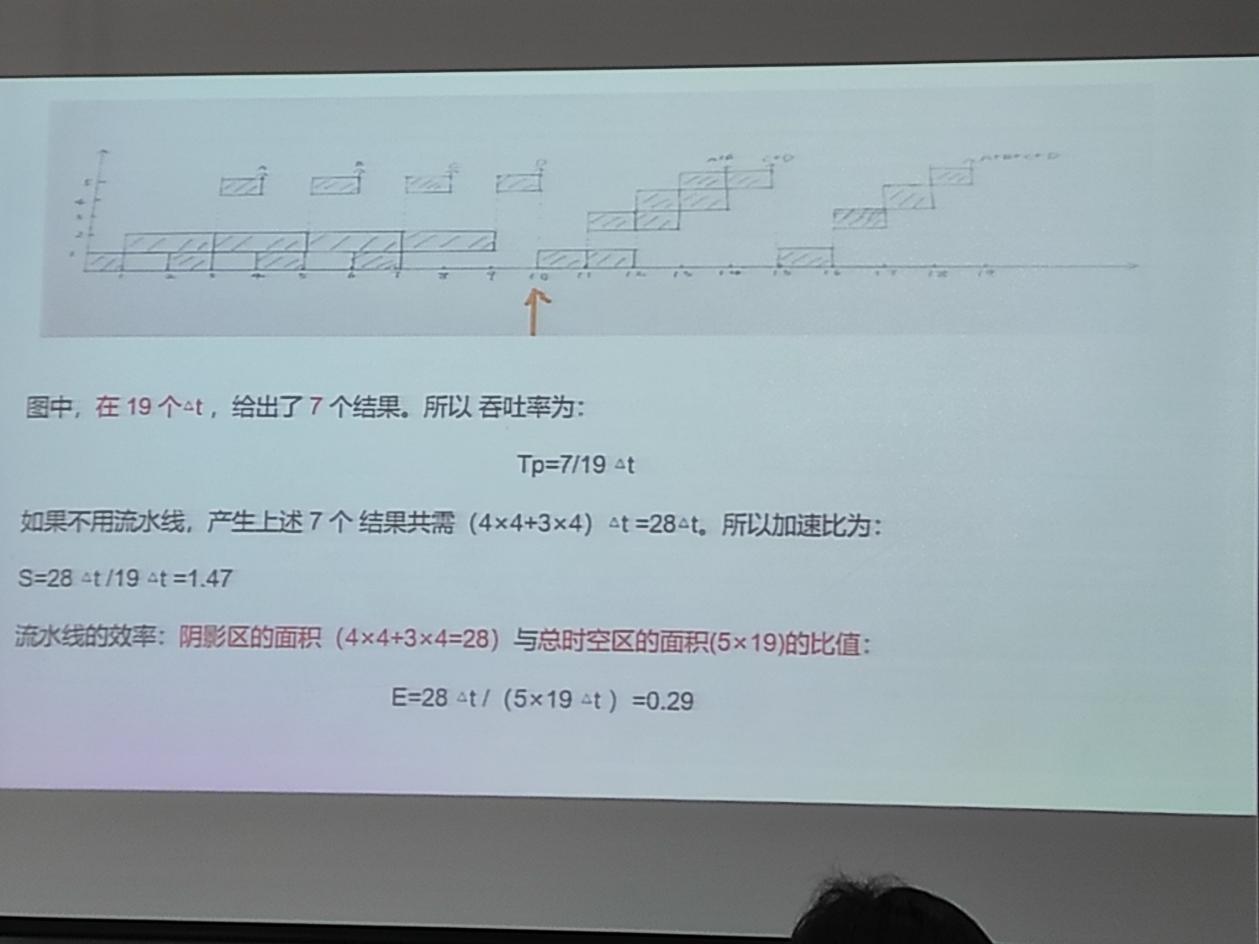
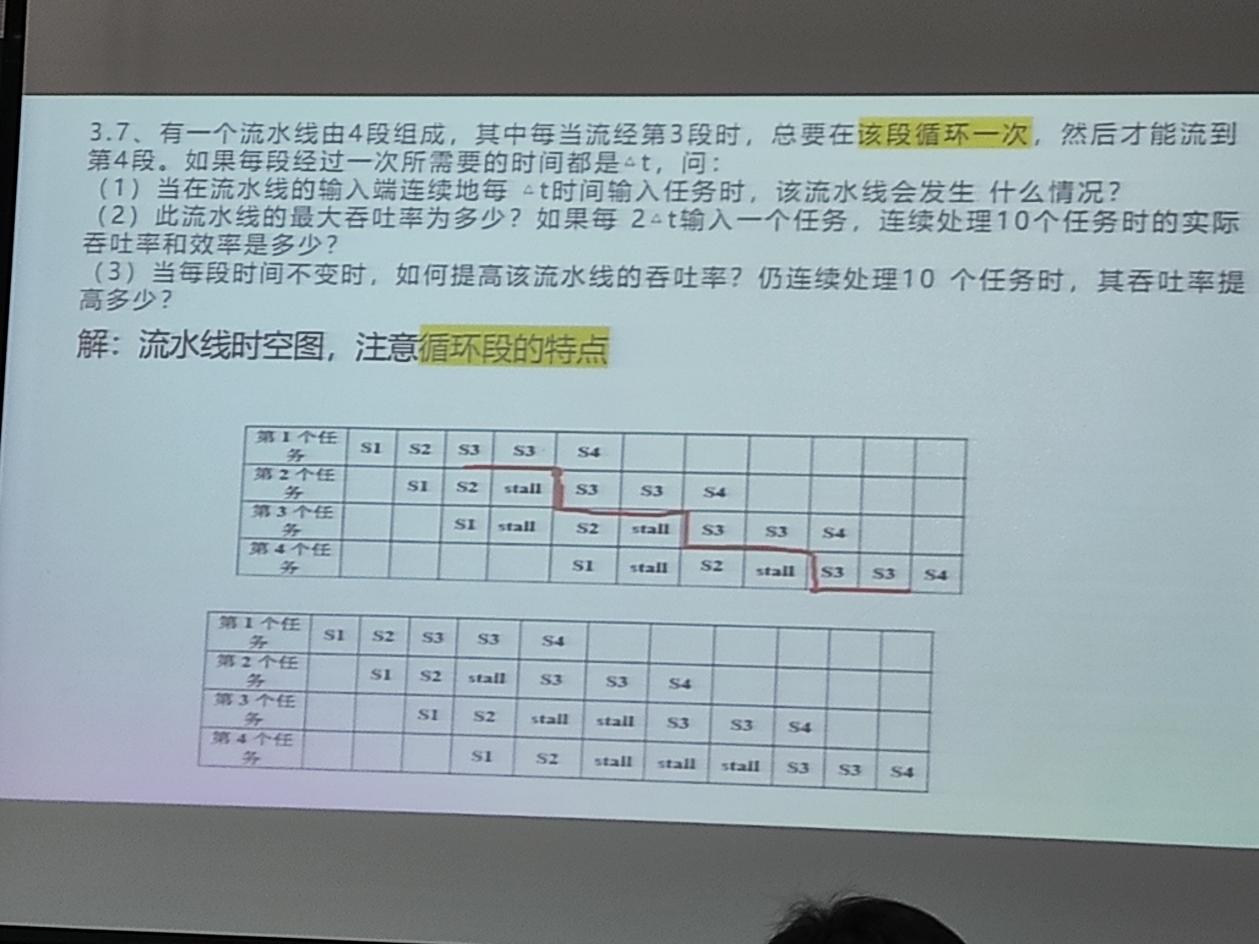
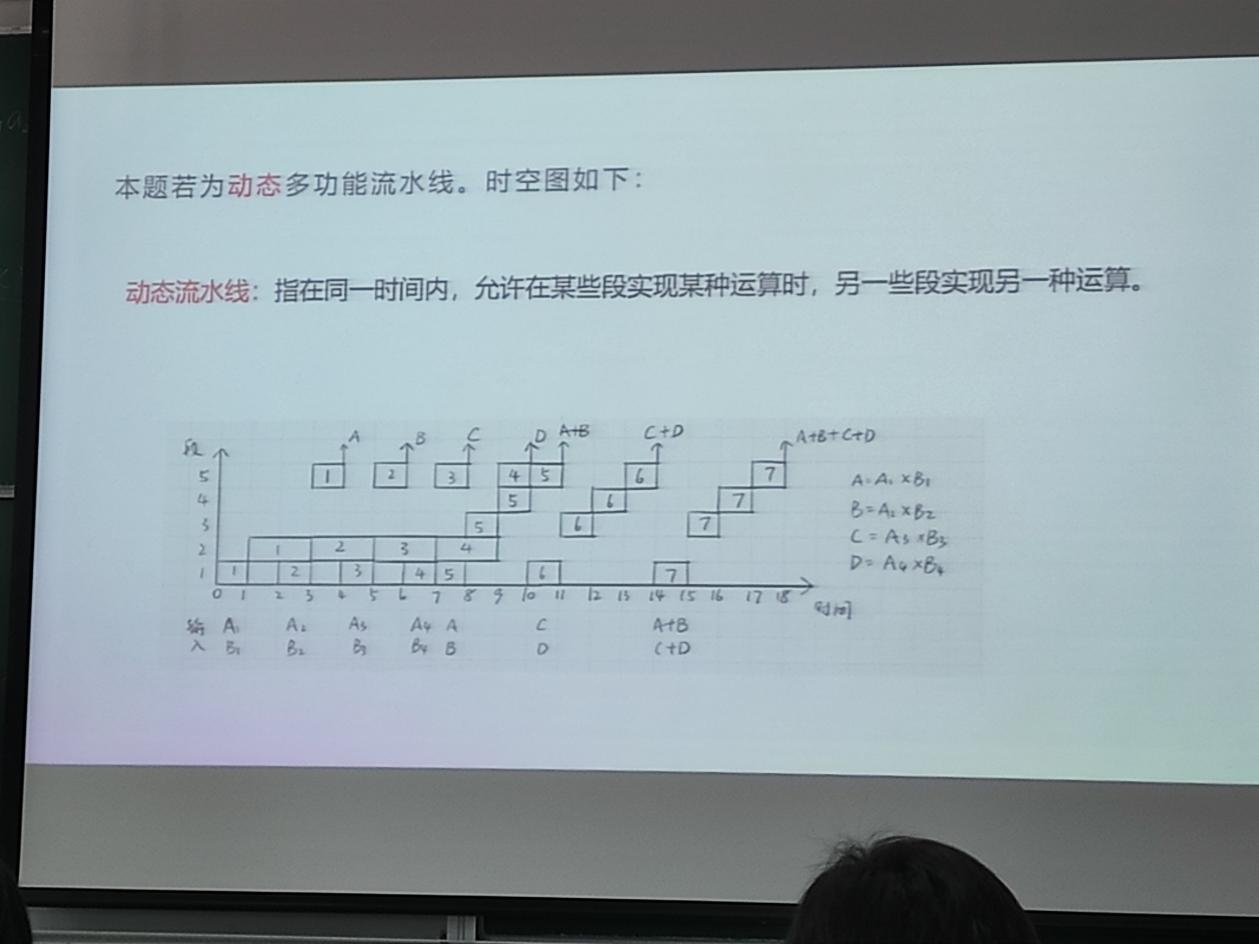
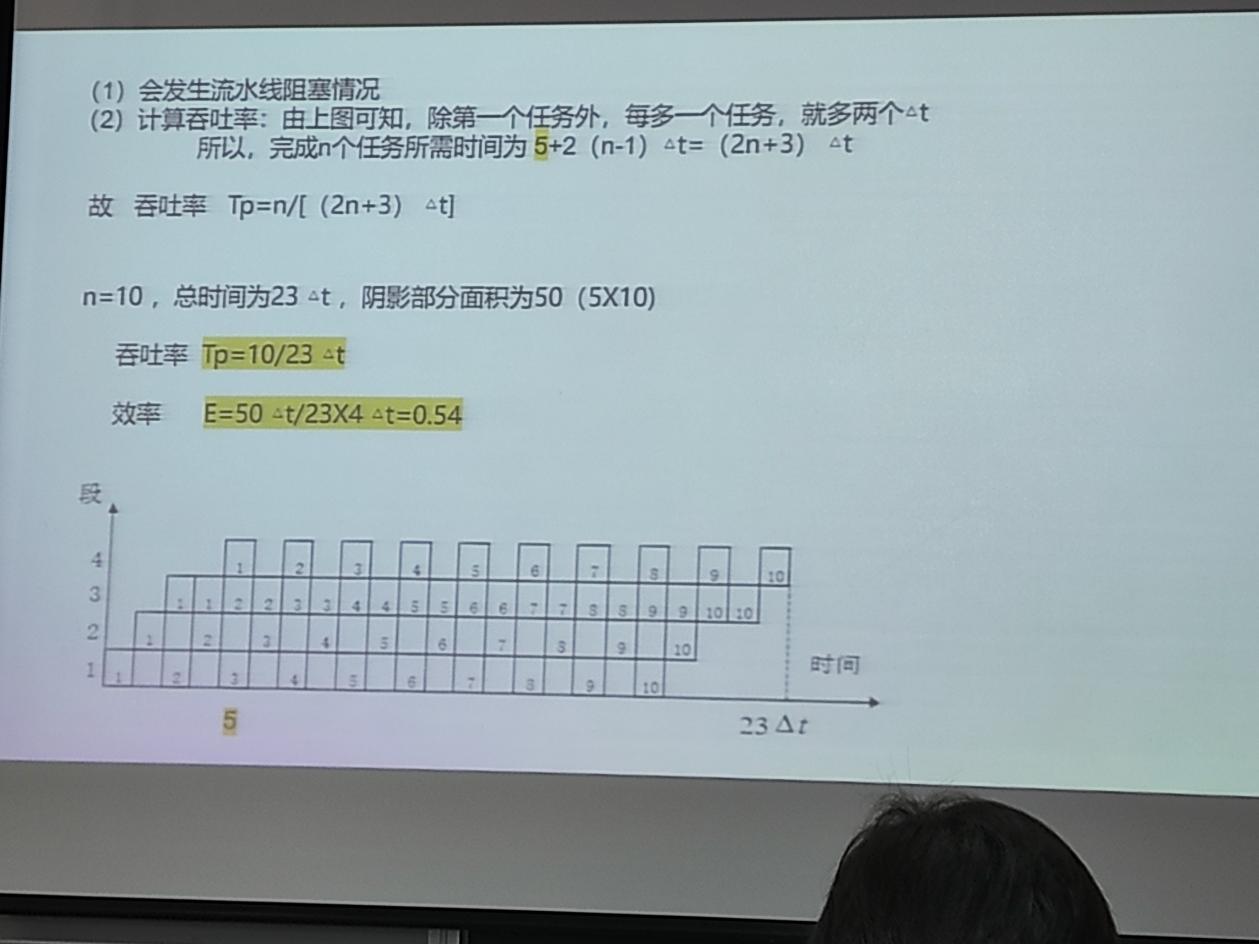


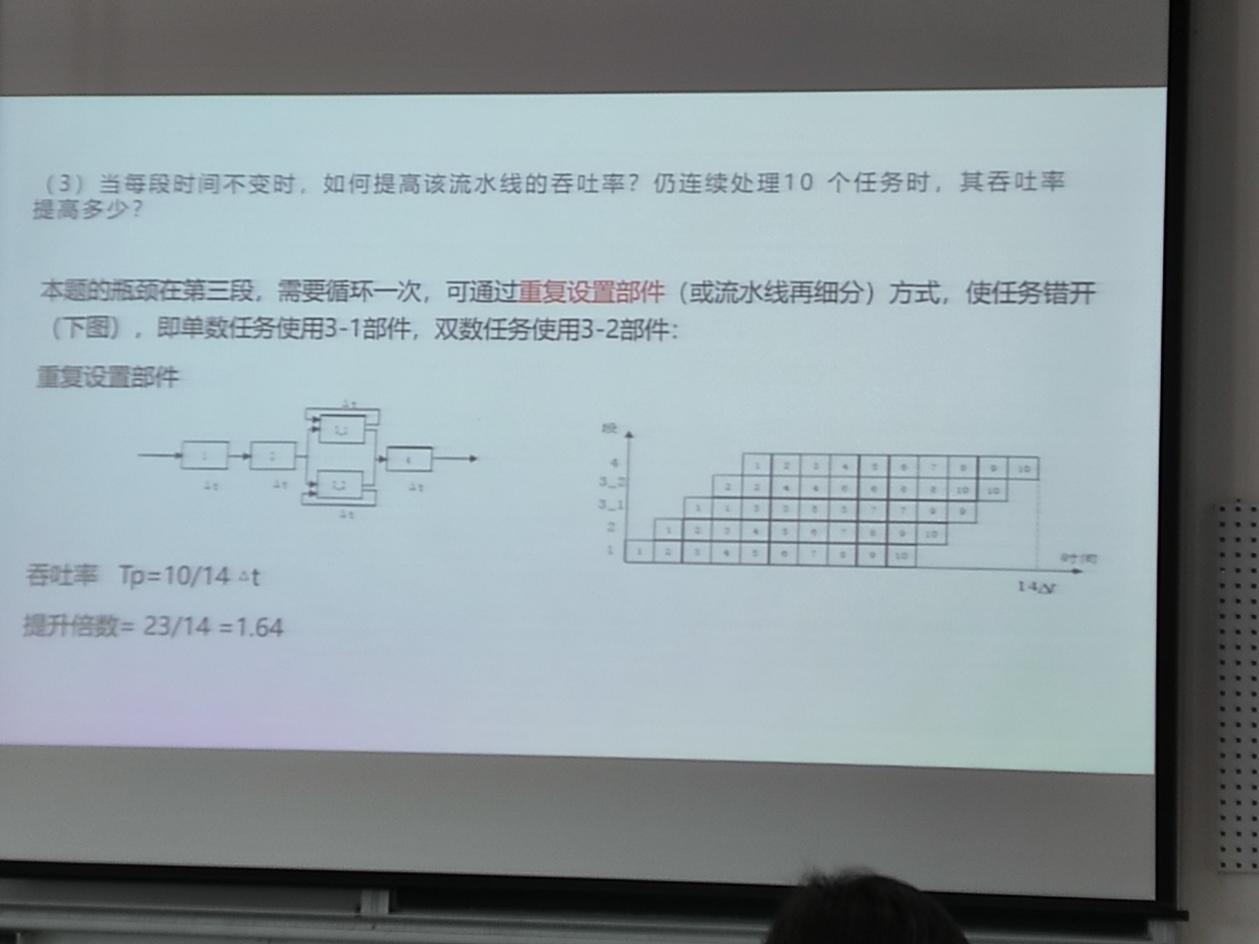
静态流水线功能切换时，要等前一种运算全部流出流水线

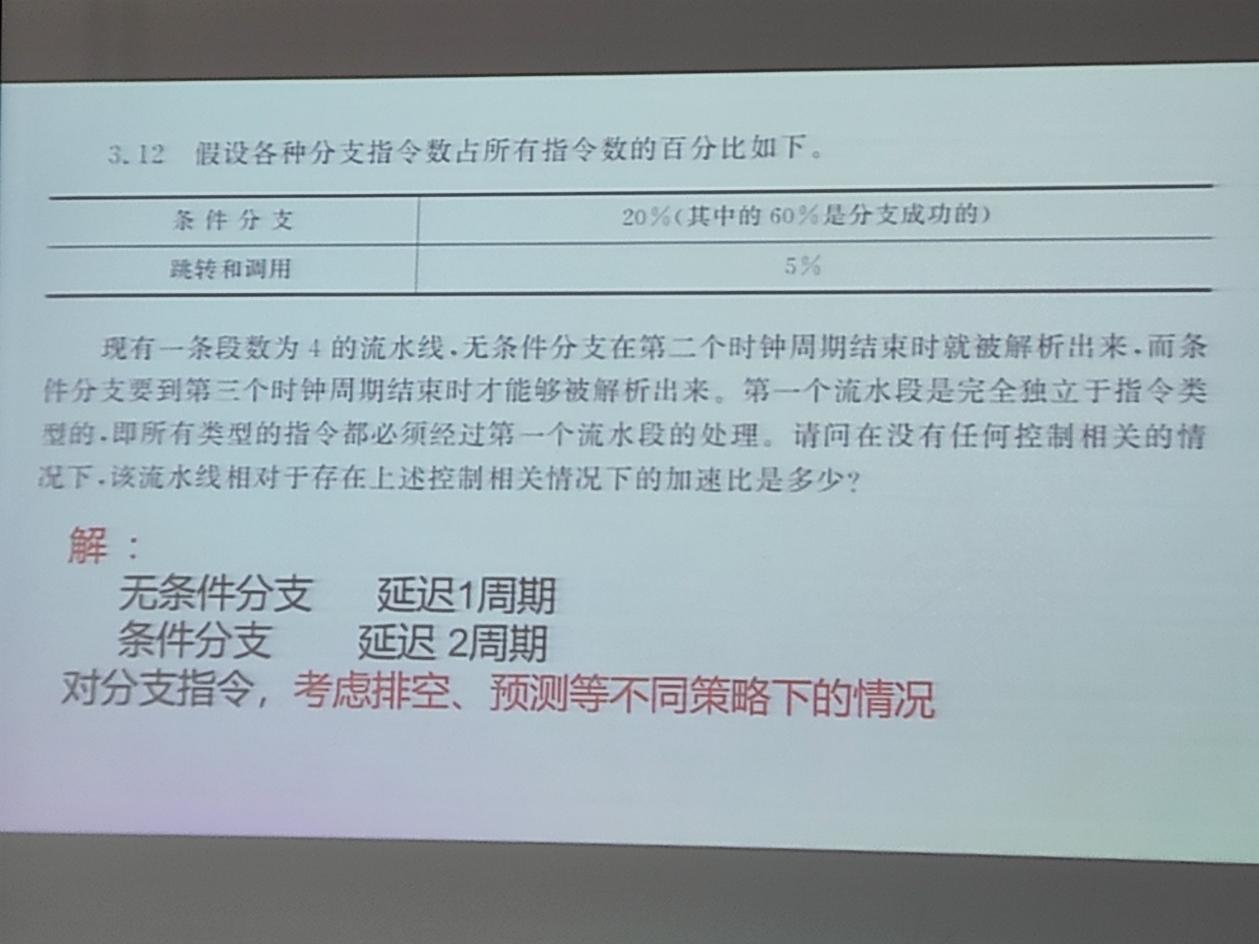


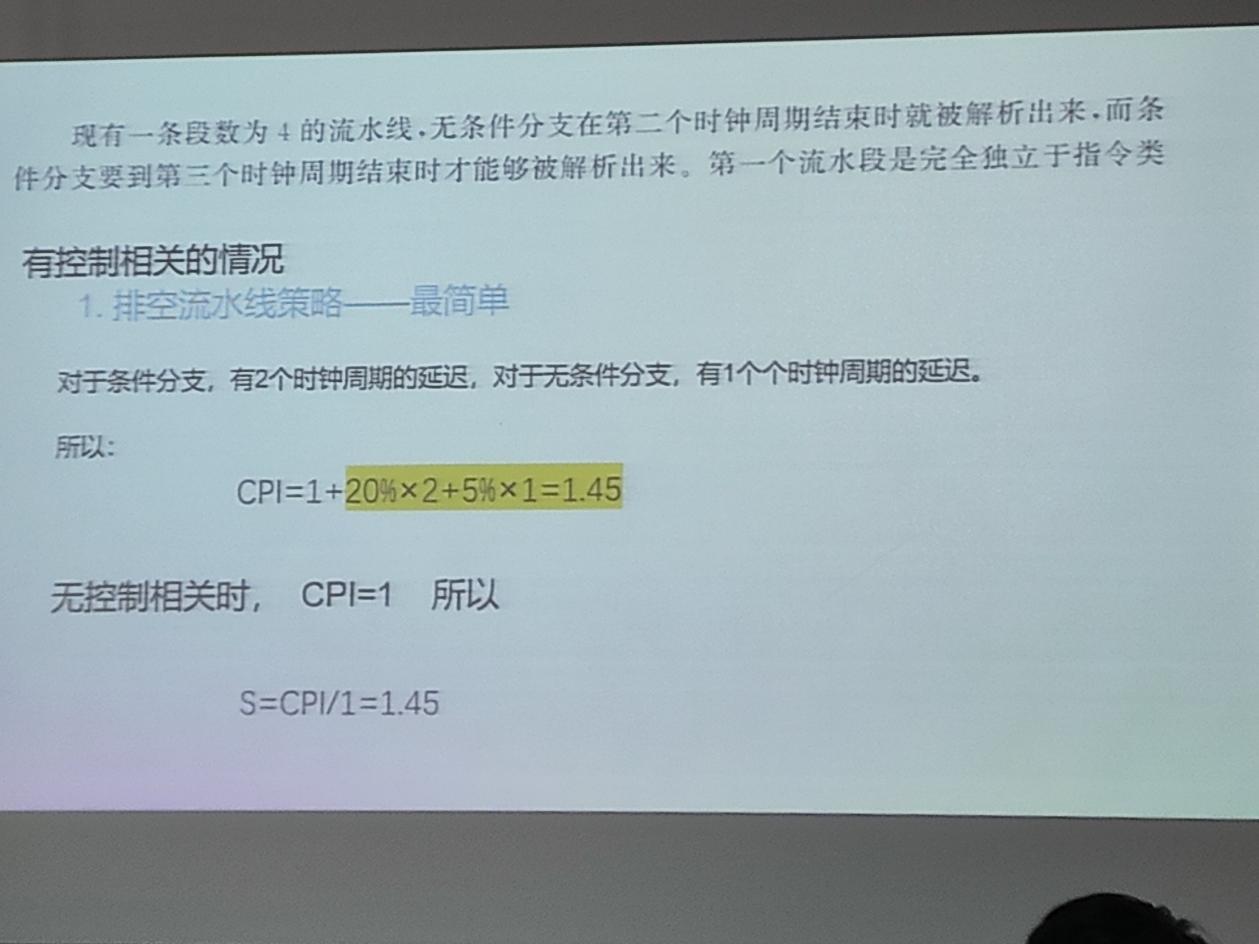


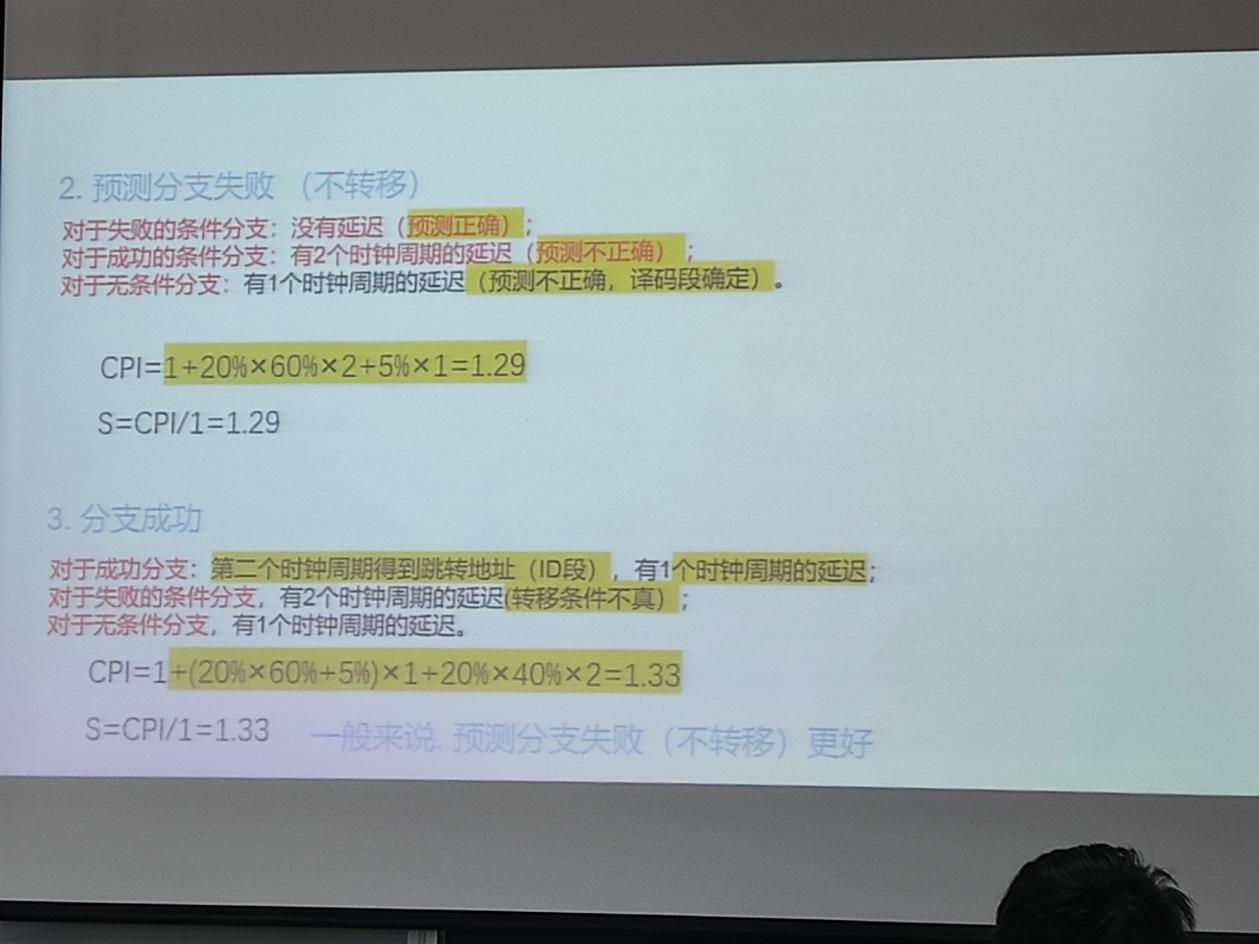
（第一种空闲比较少）



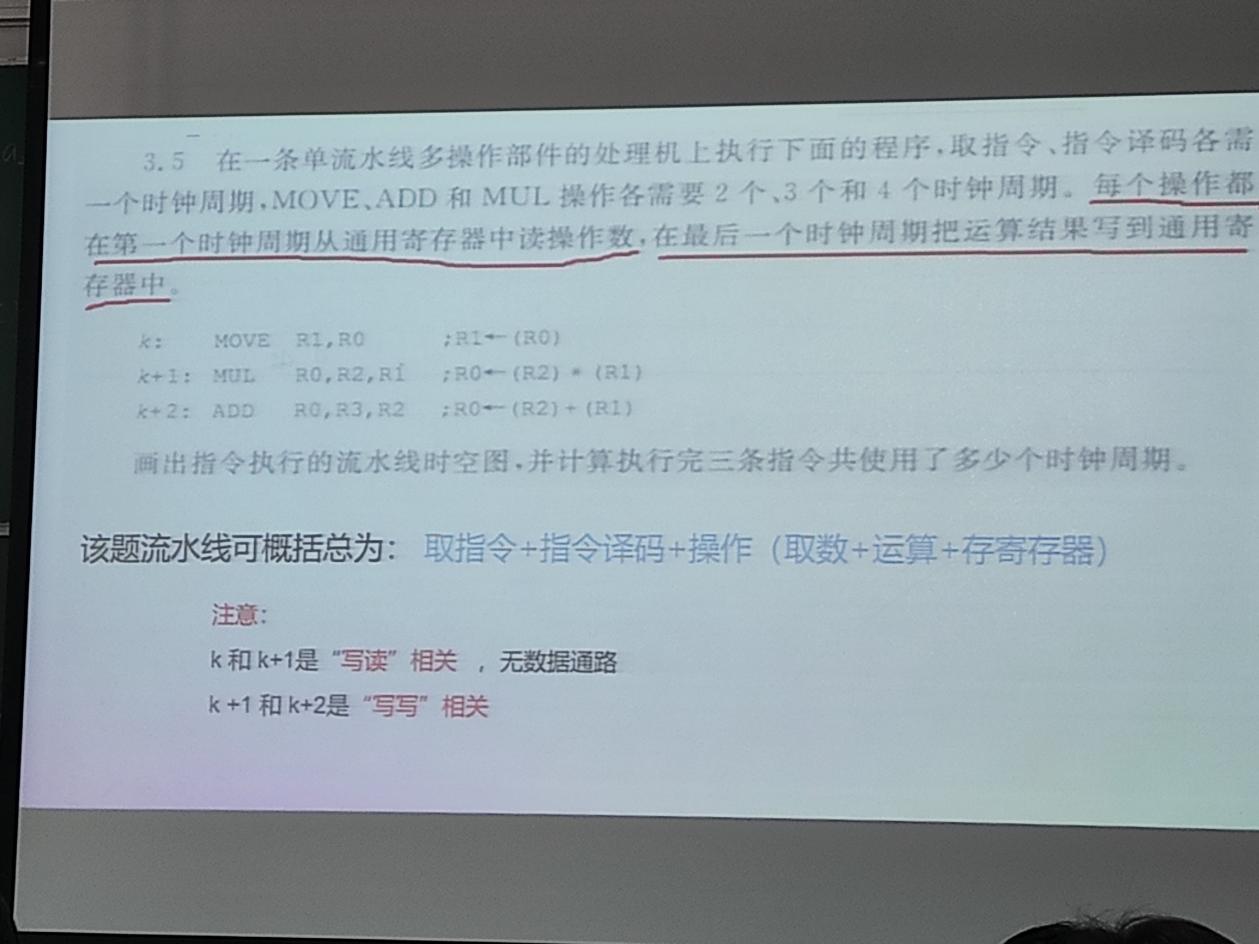


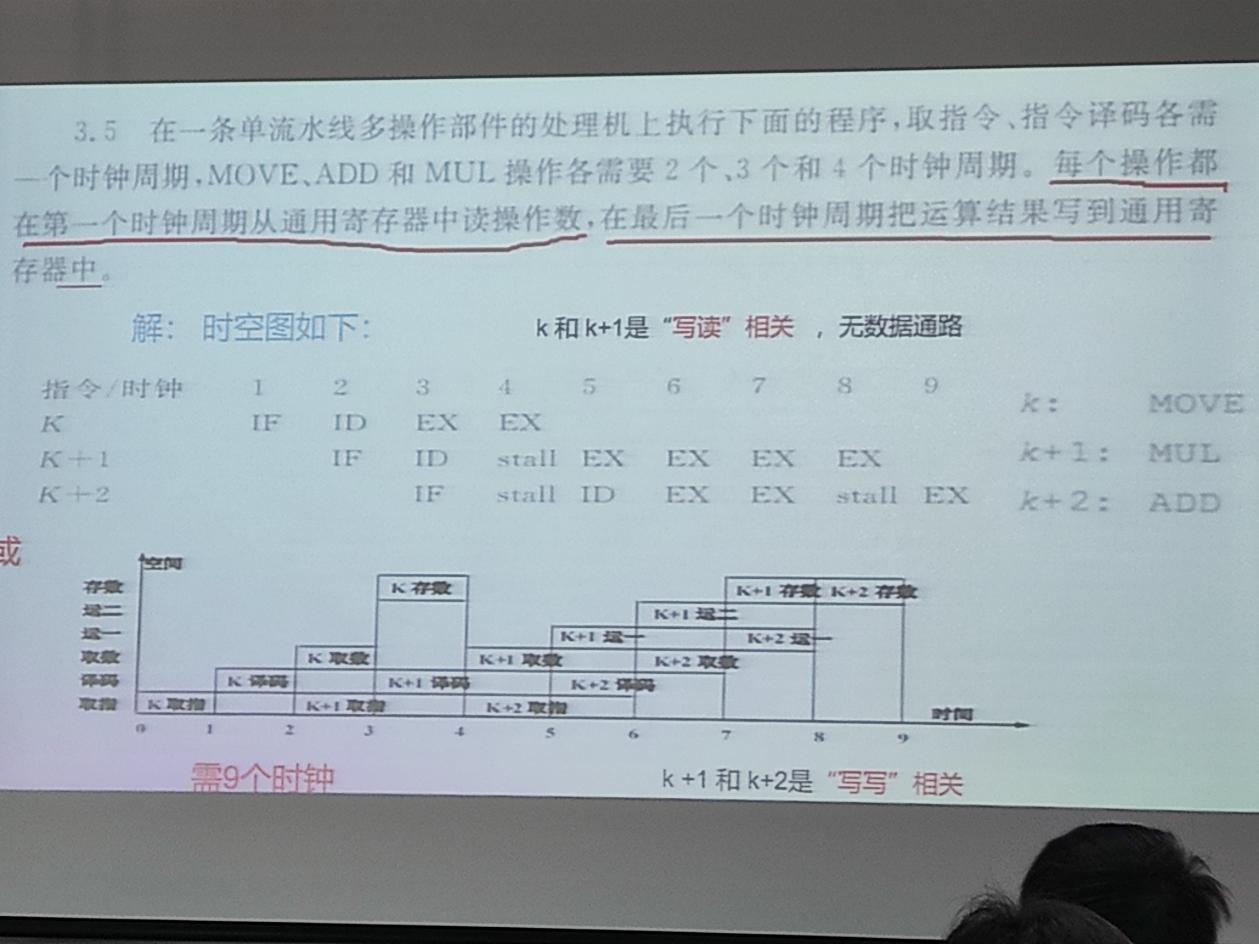


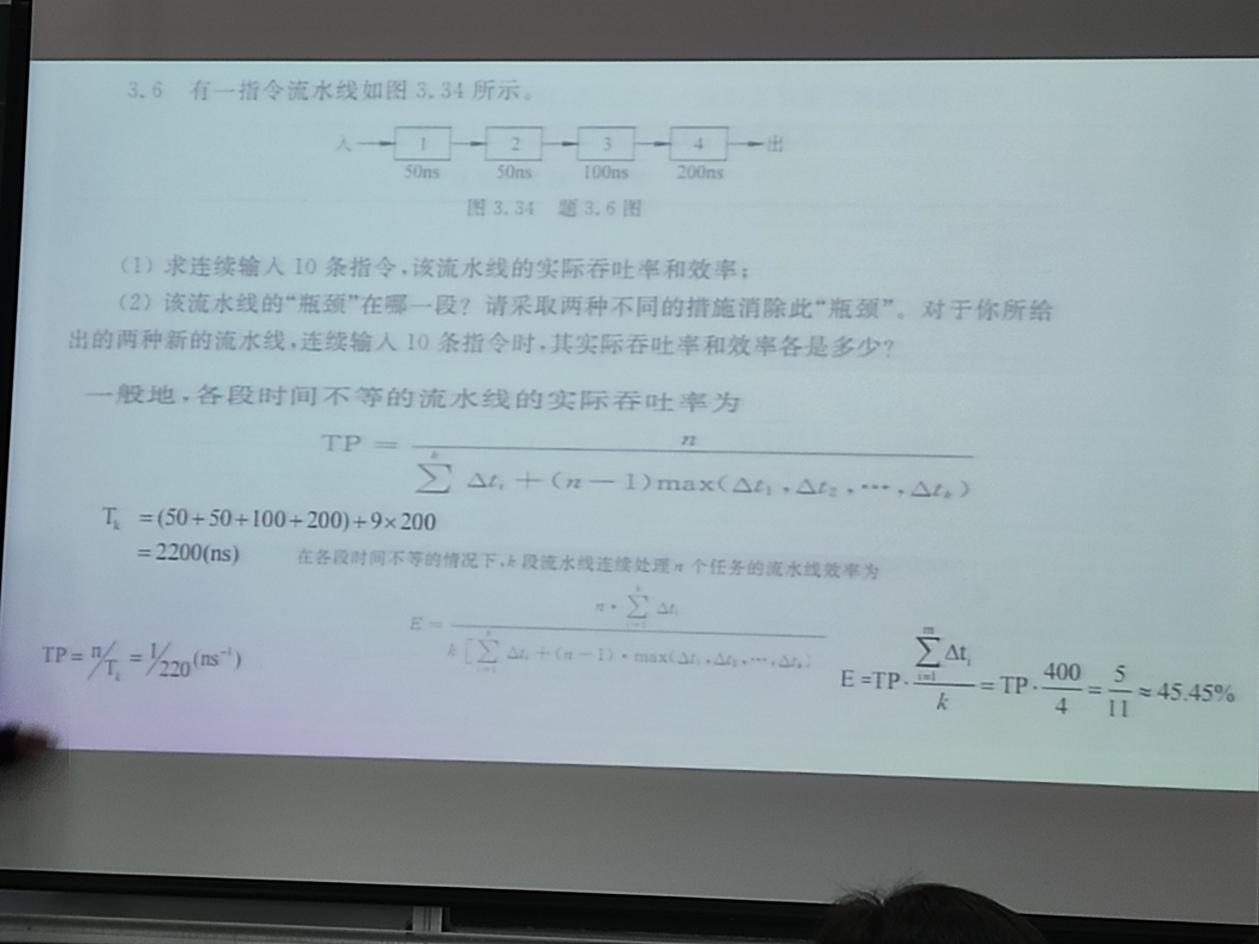


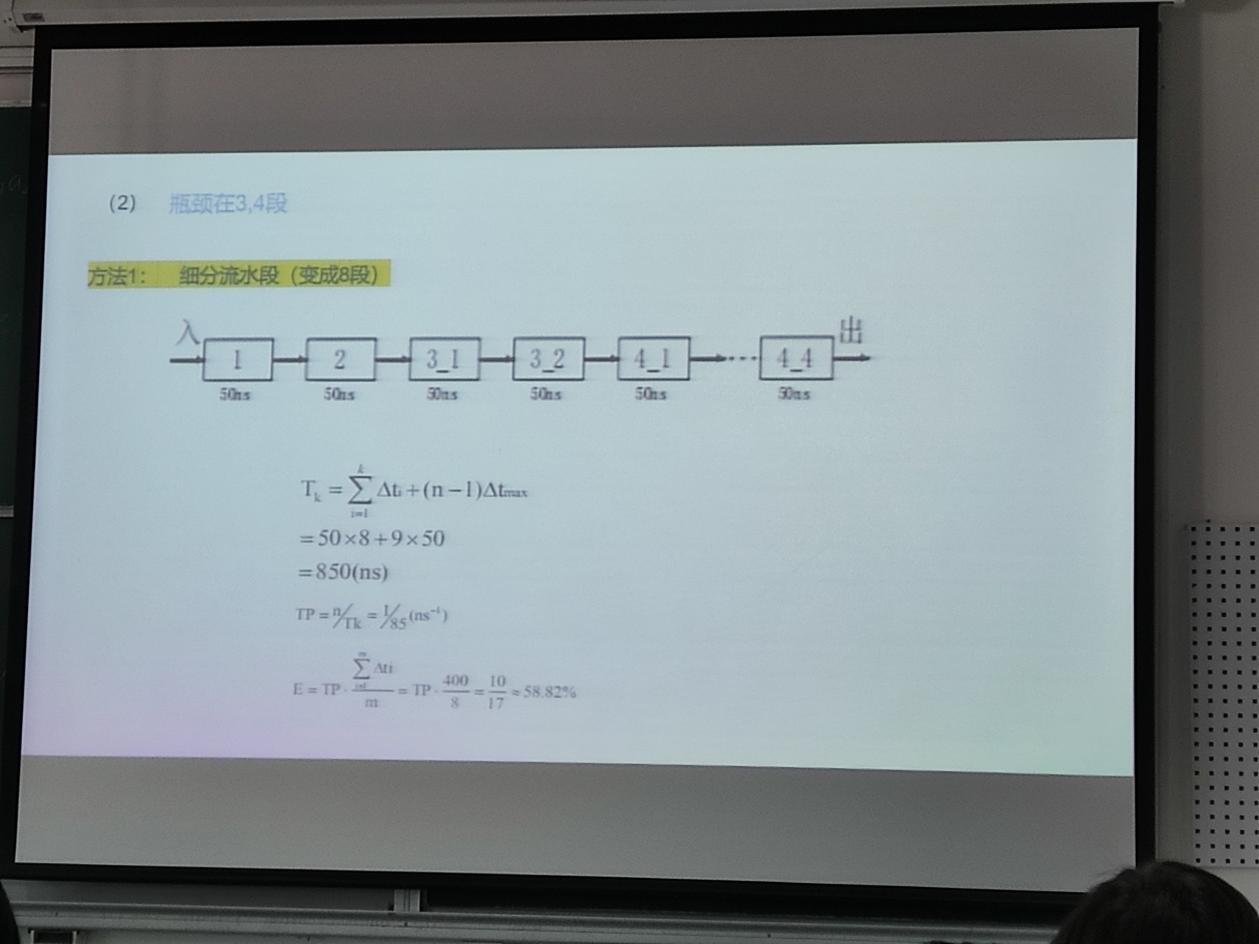


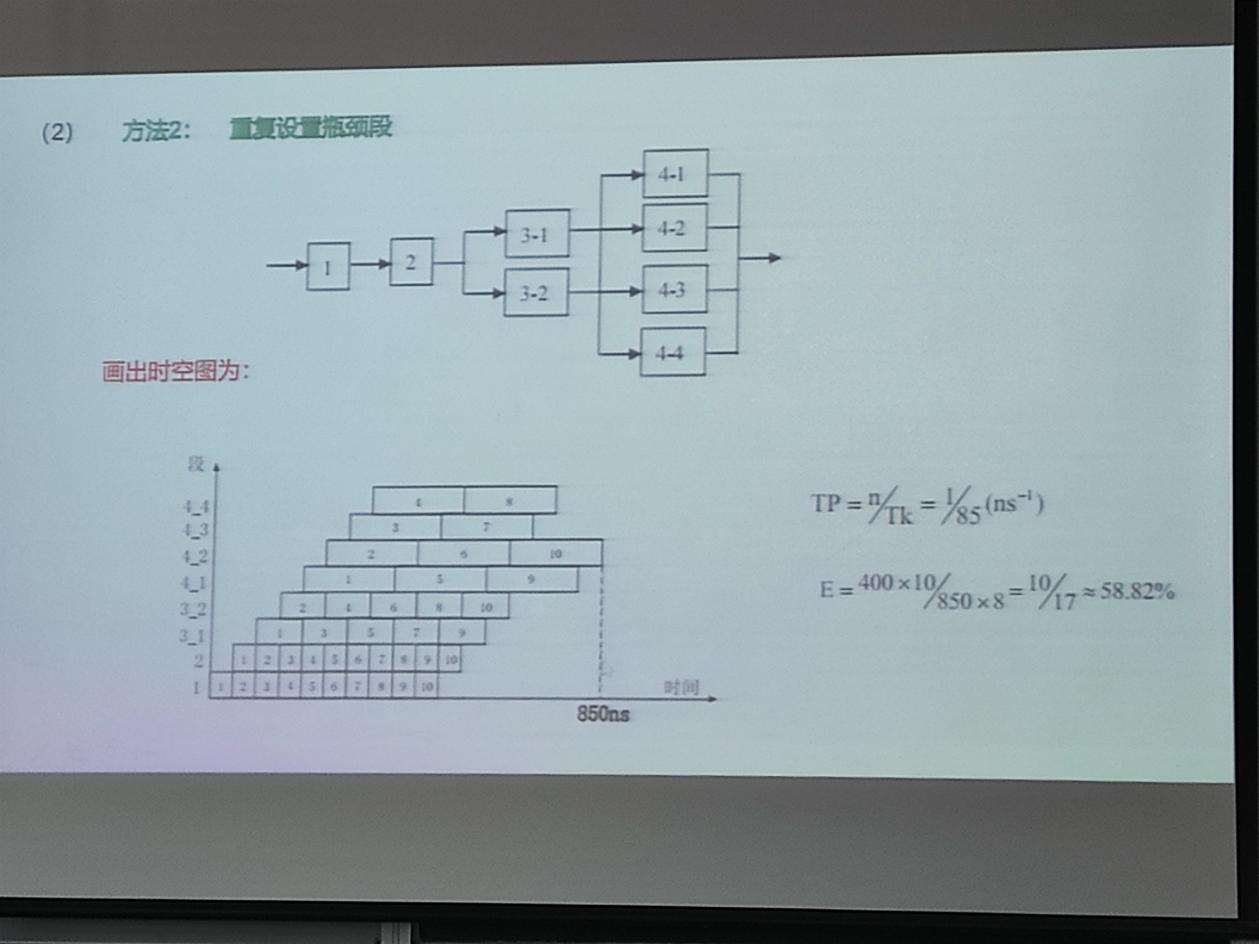
分支成功：常用于内循环的现象，很多次都需要进行分支成功的操作

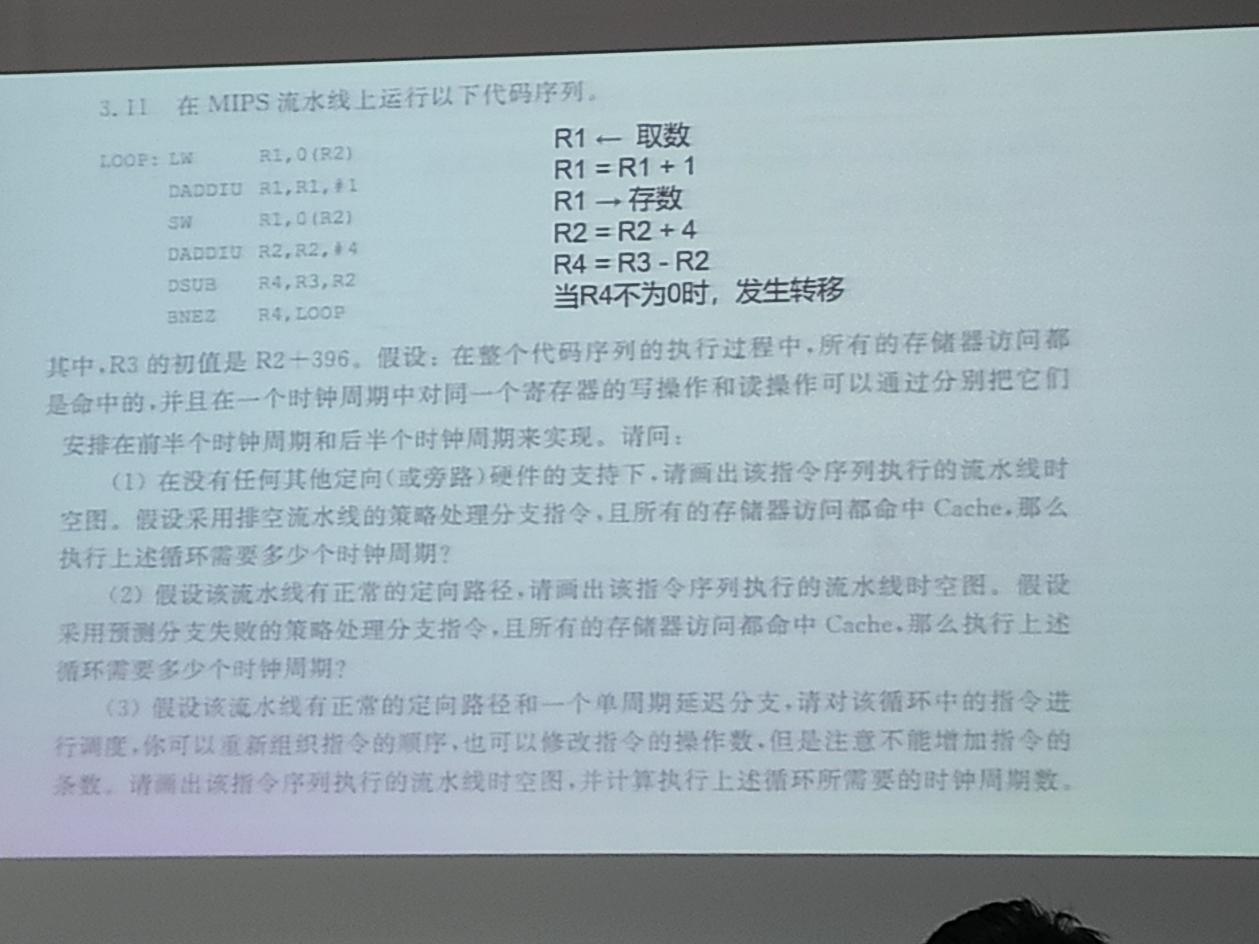


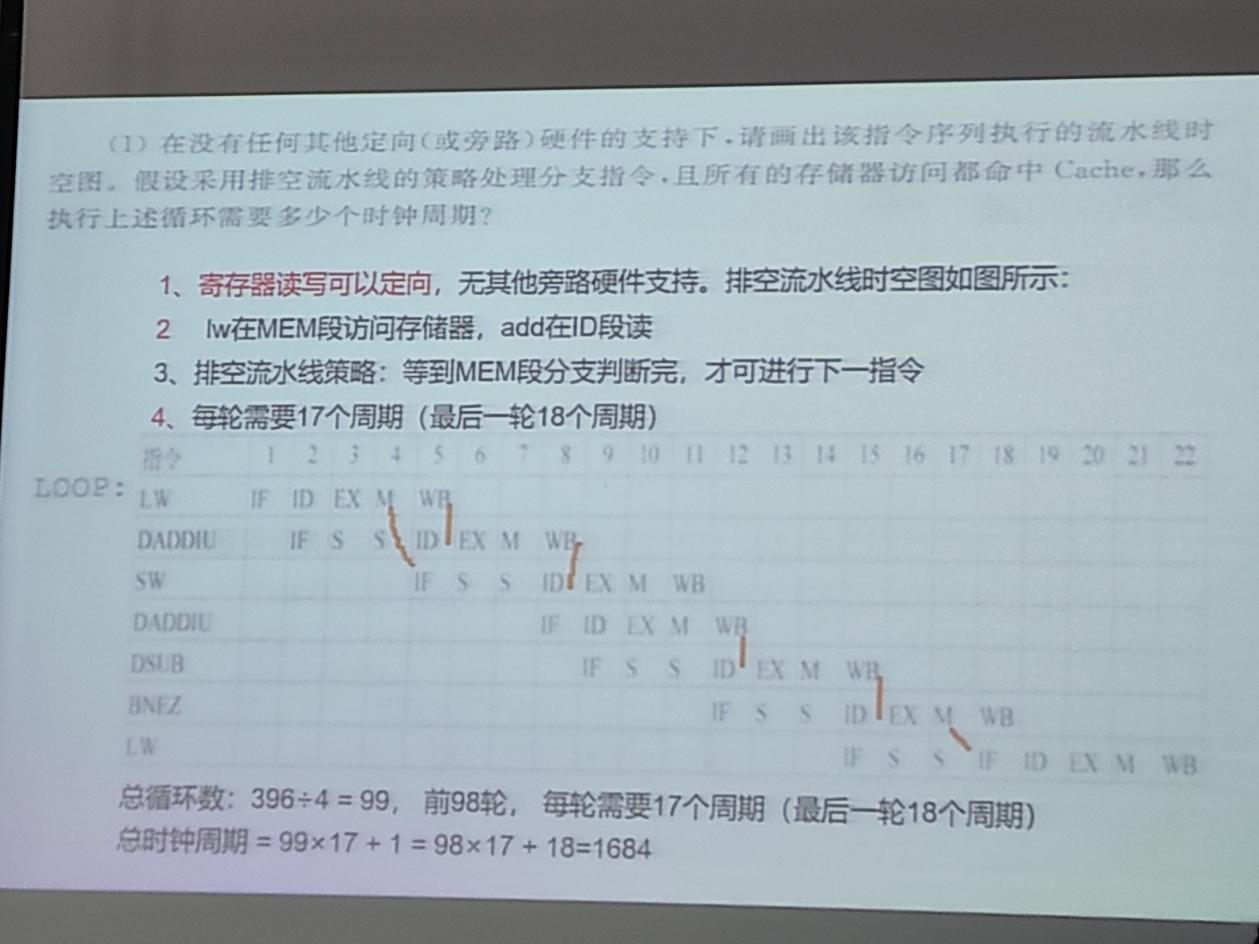


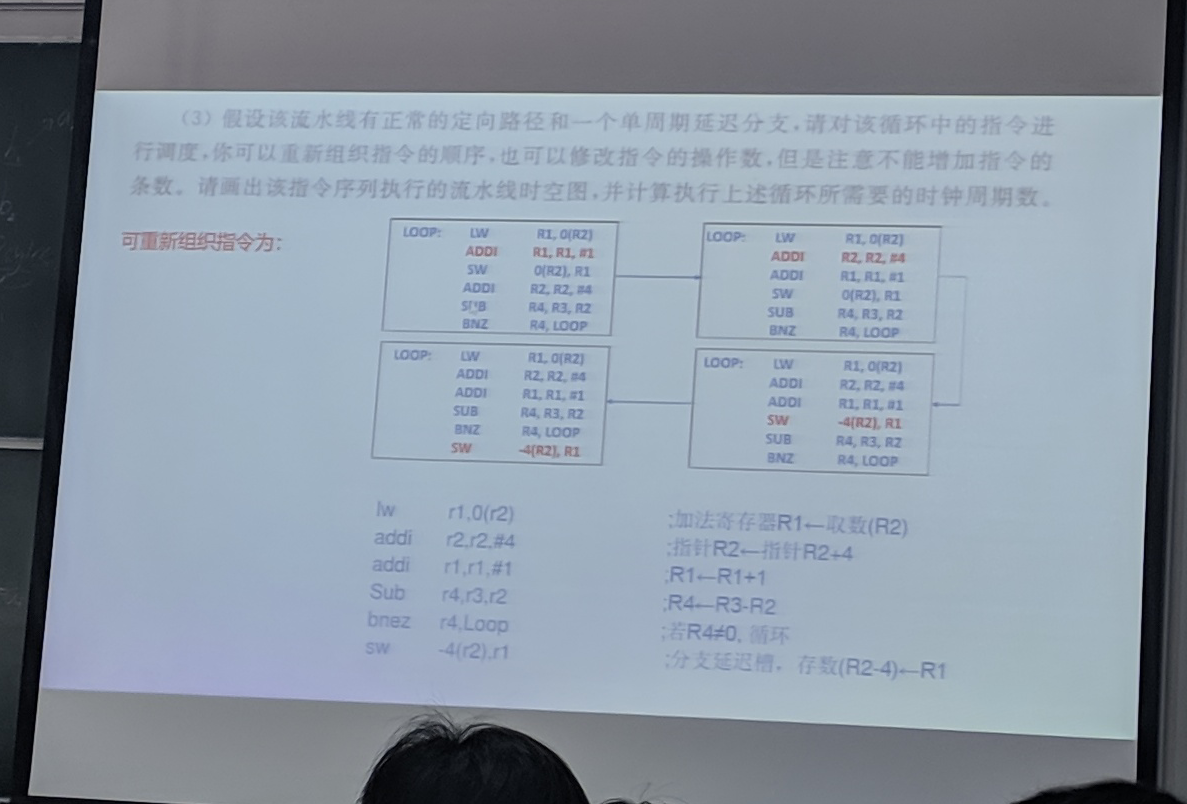
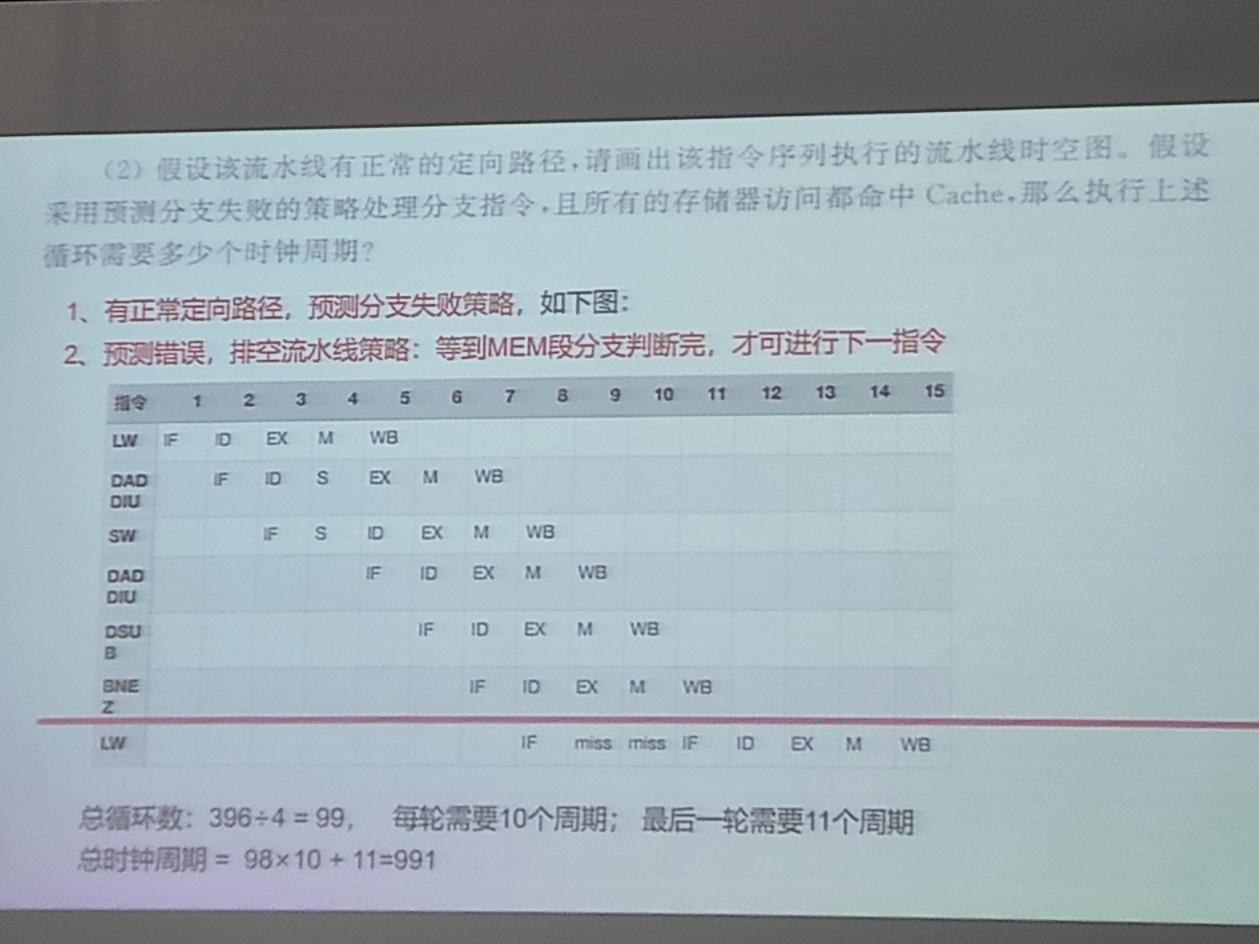


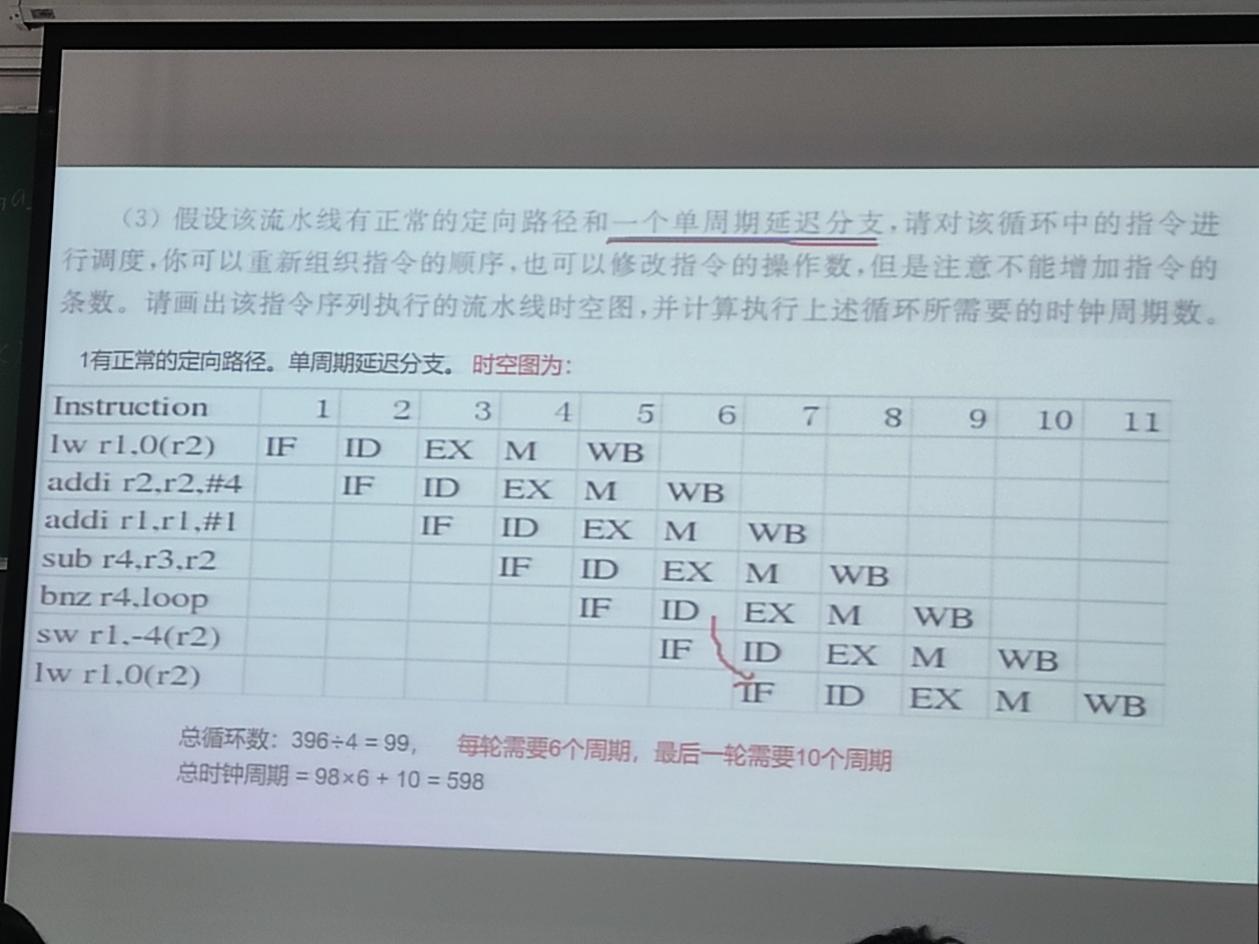


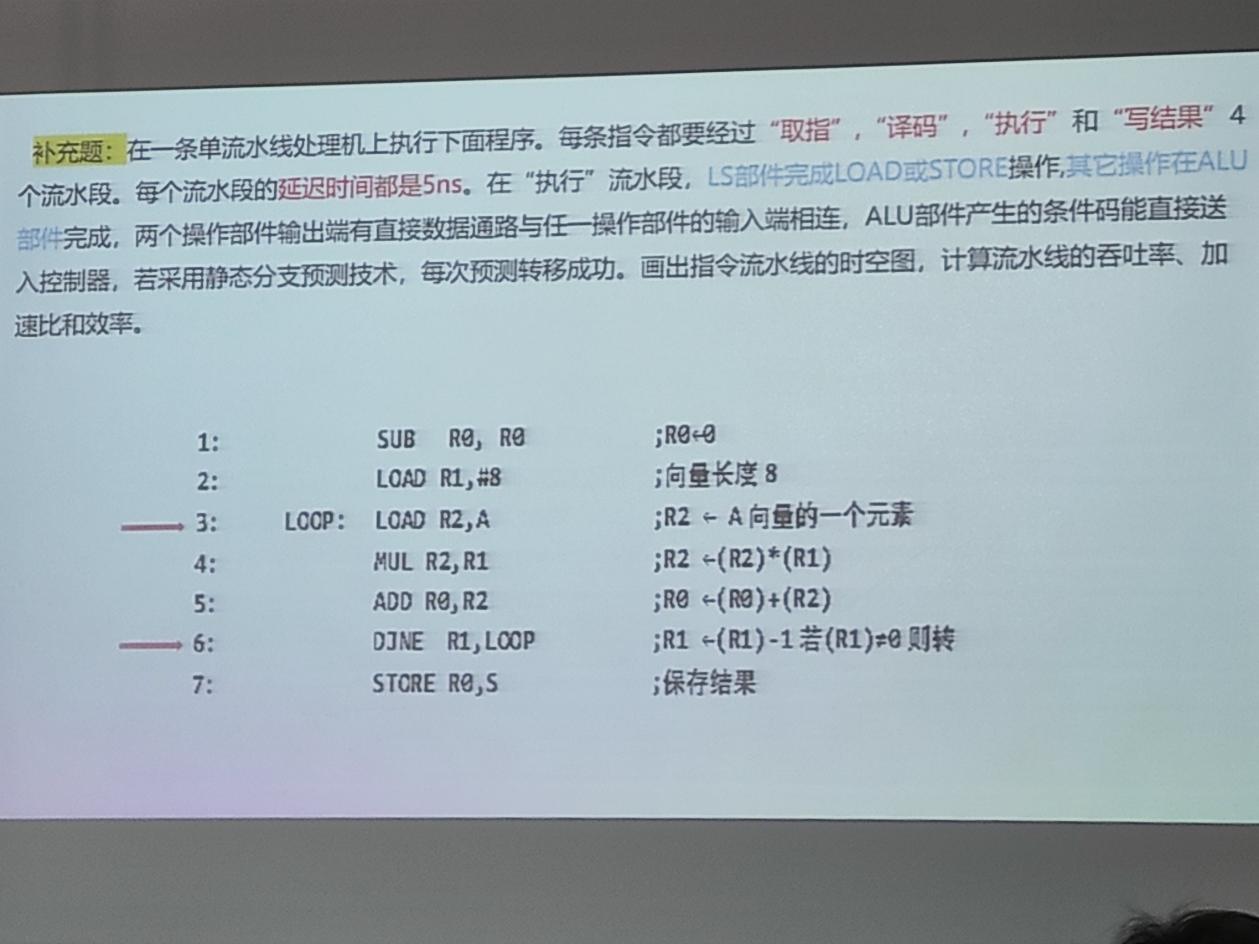


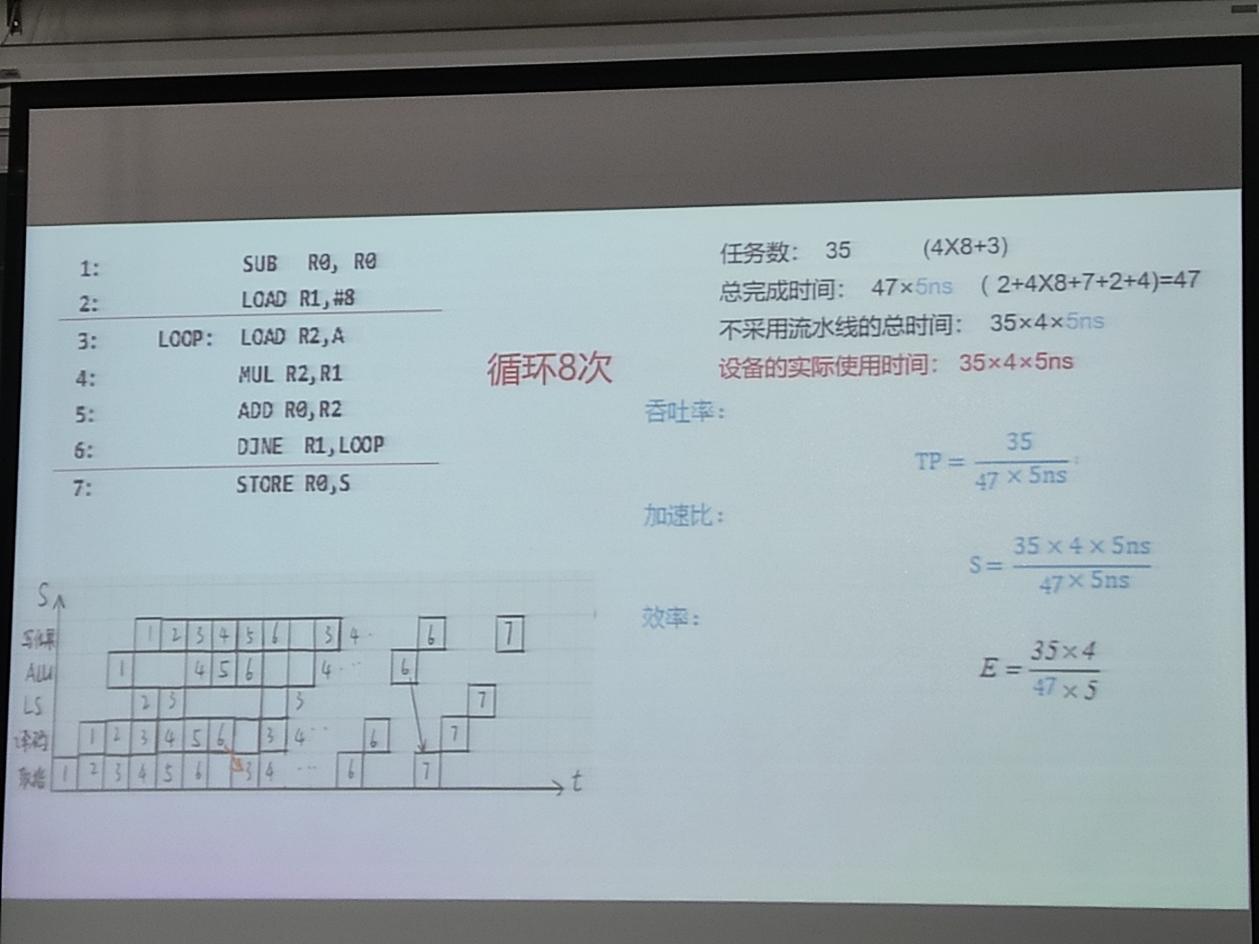




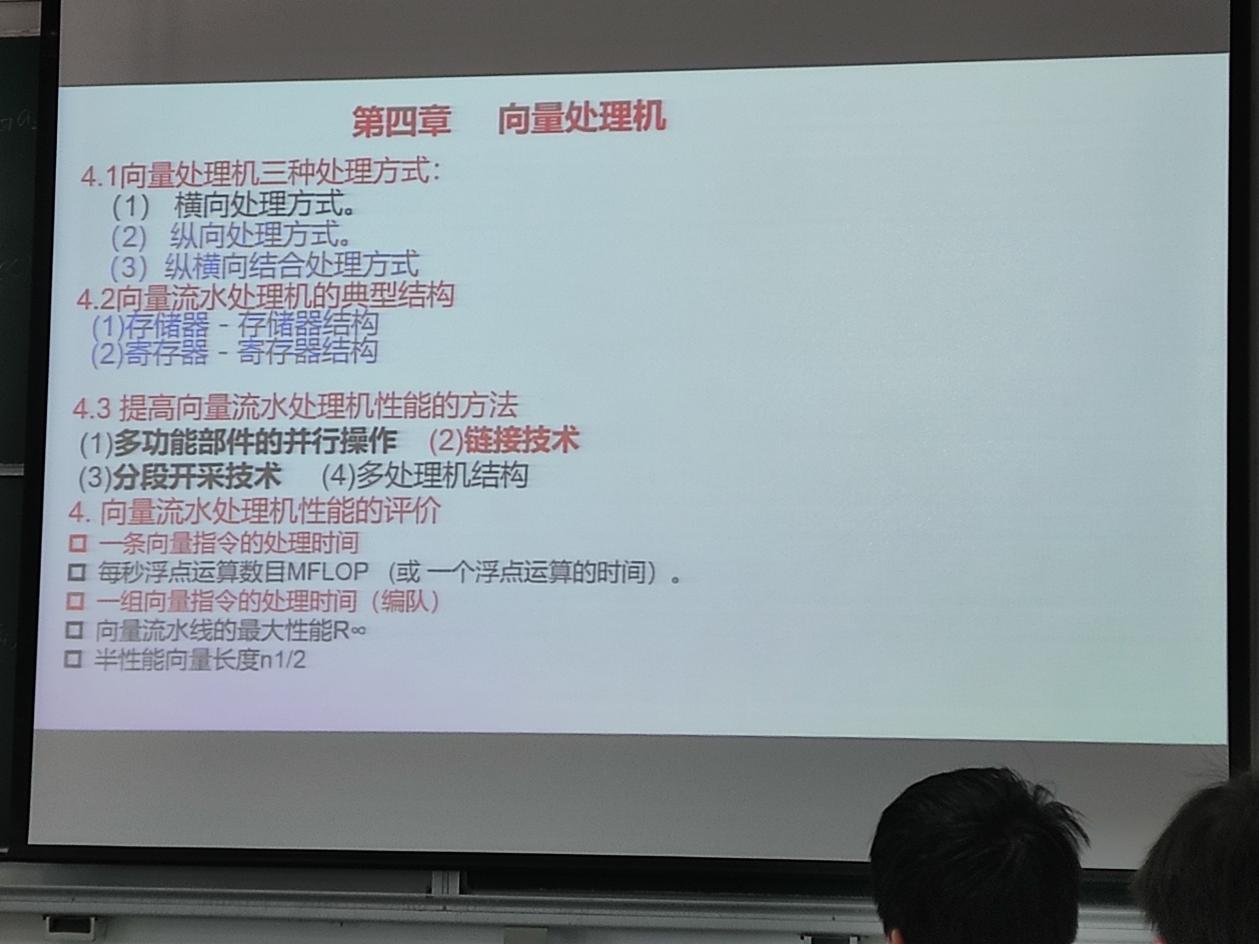




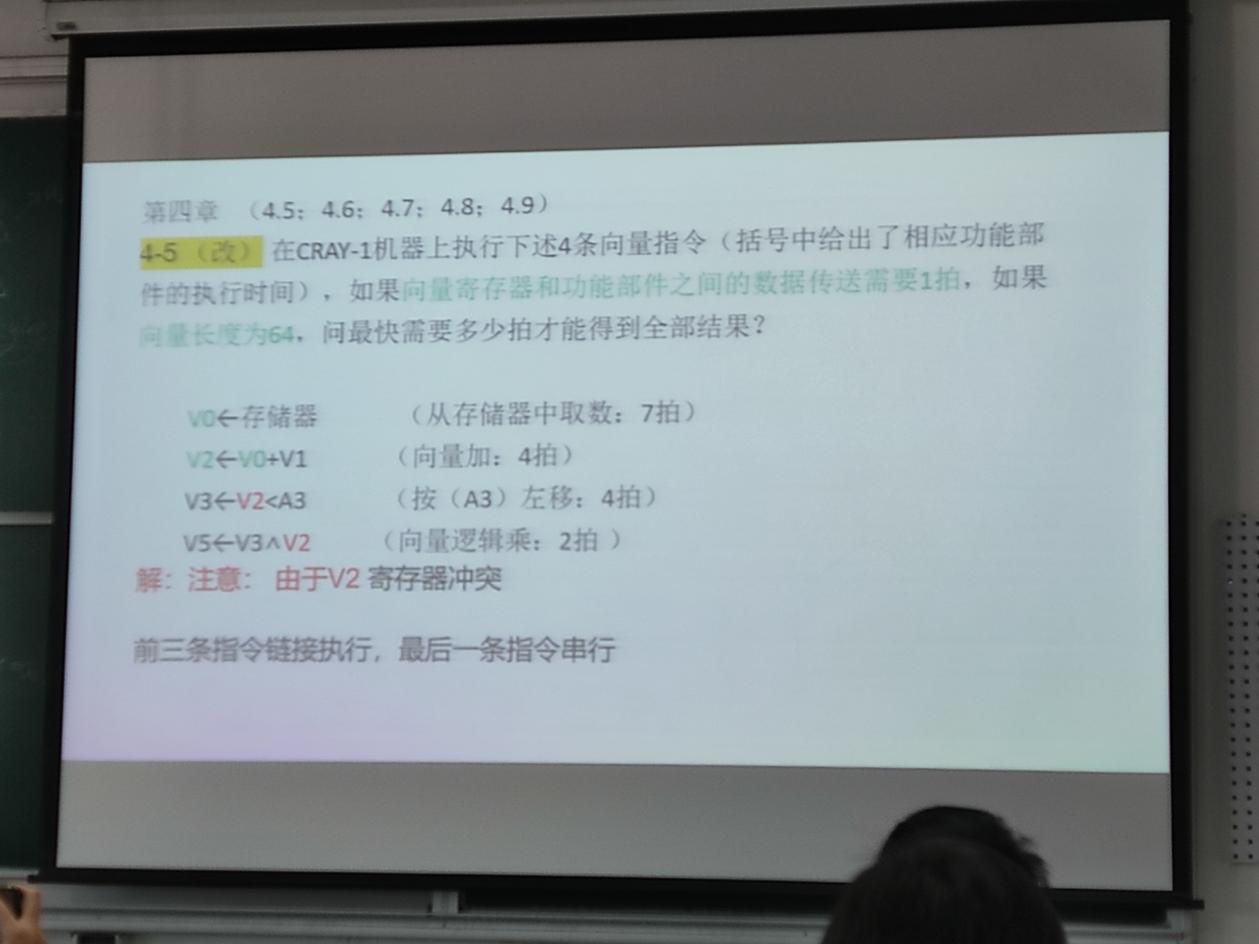




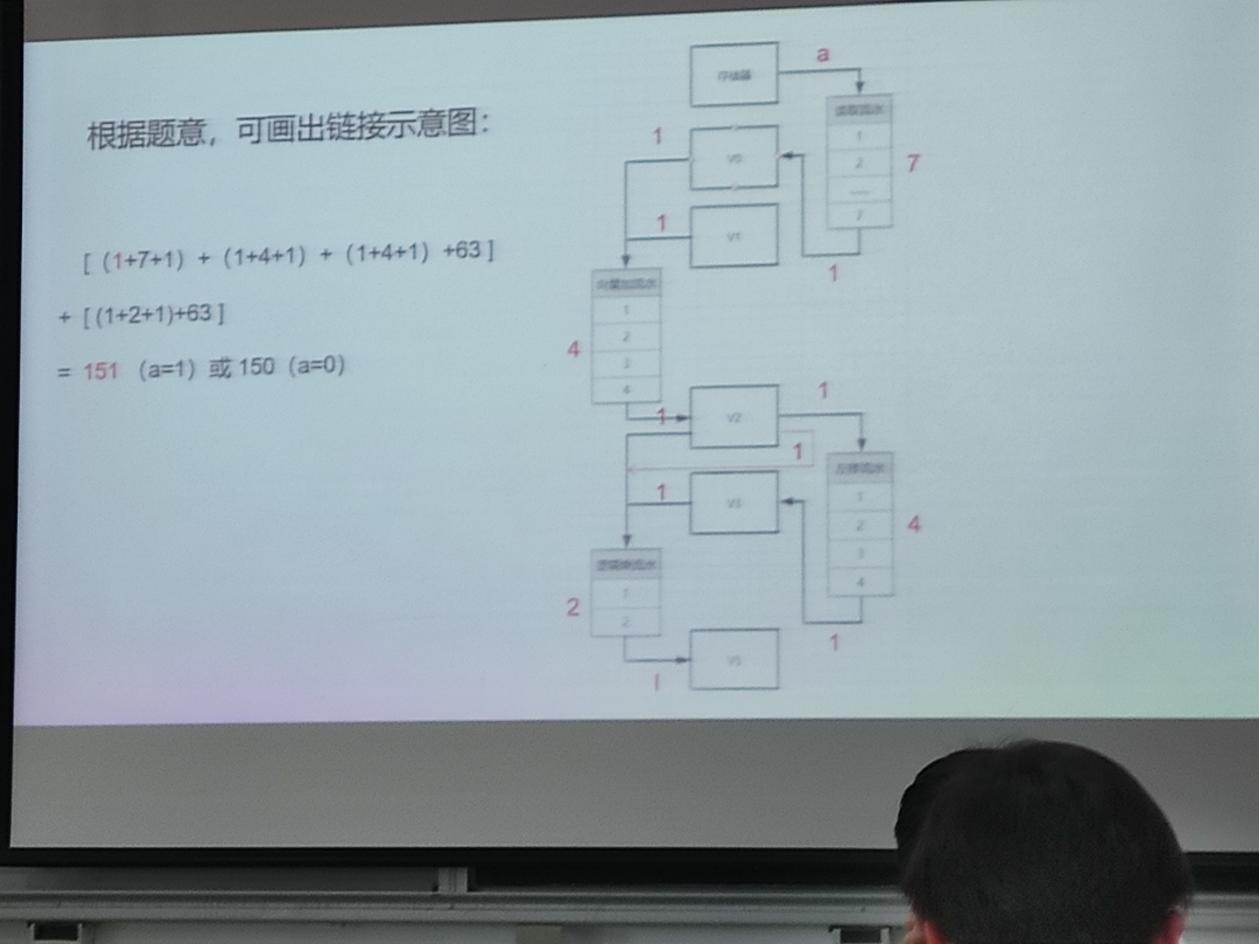
（一定要画时空图）



重点：链接技术

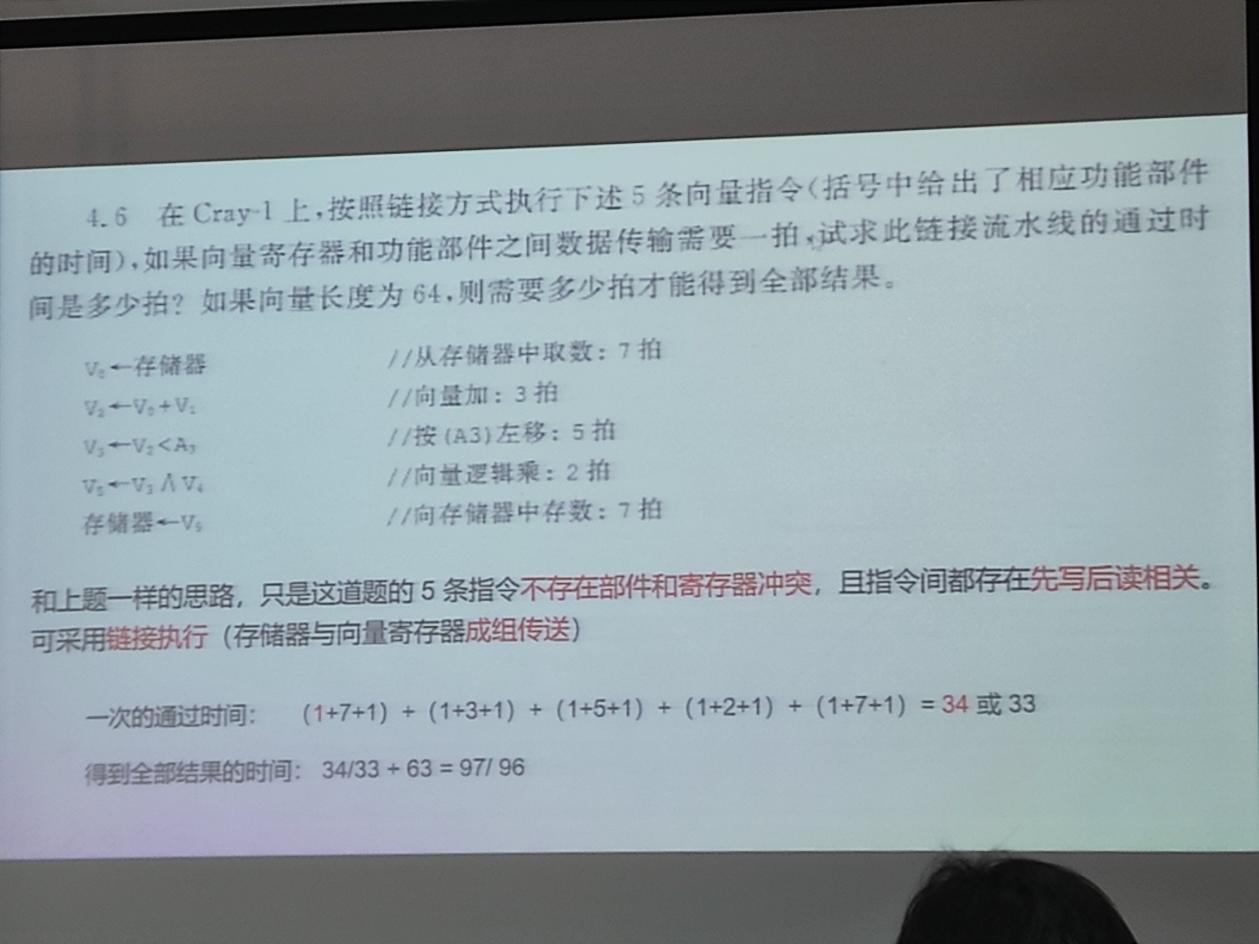


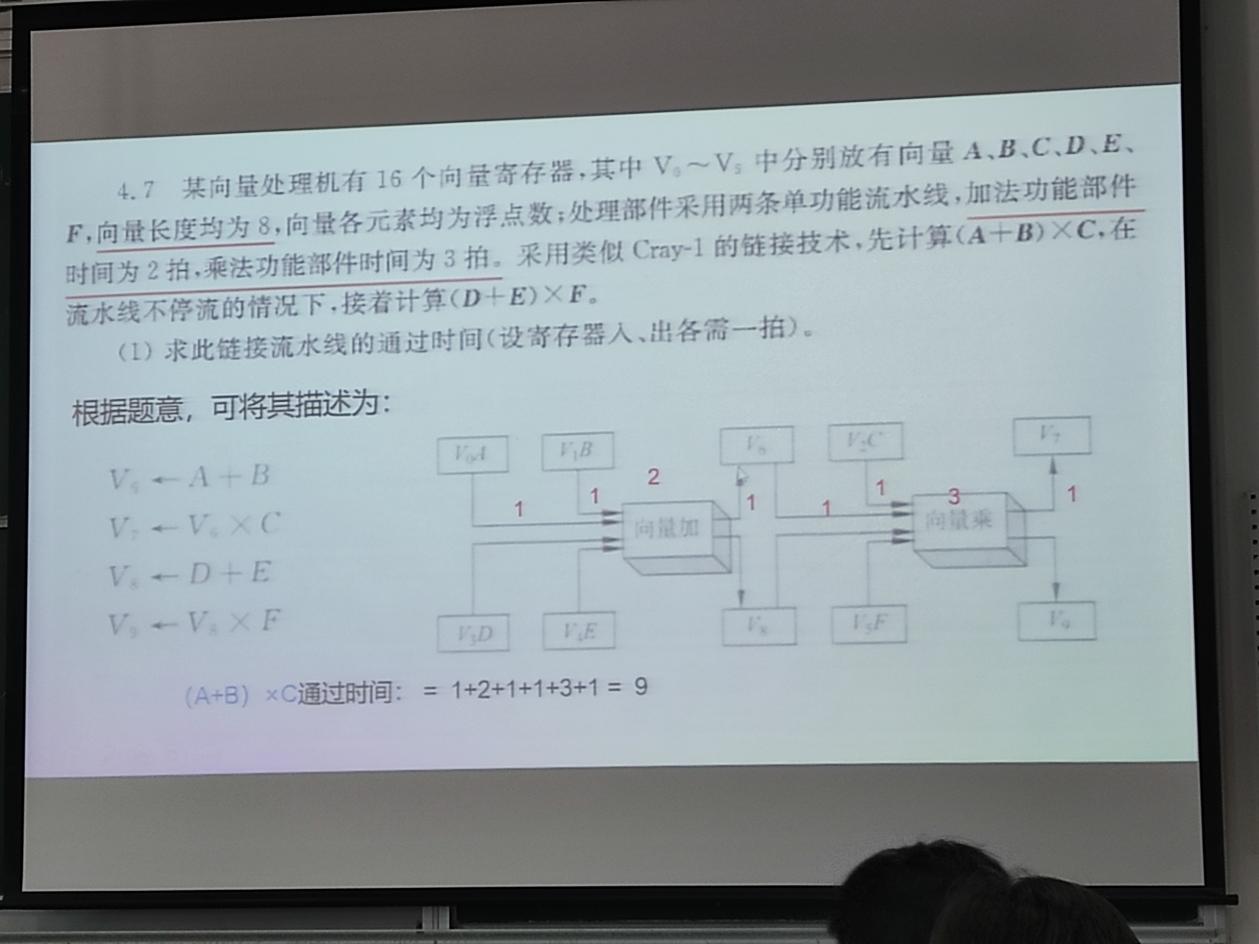
（原本四条指令均可以链接，改动了指令4的V2，从而使得第四条指令不能链接——寄存器冲突）

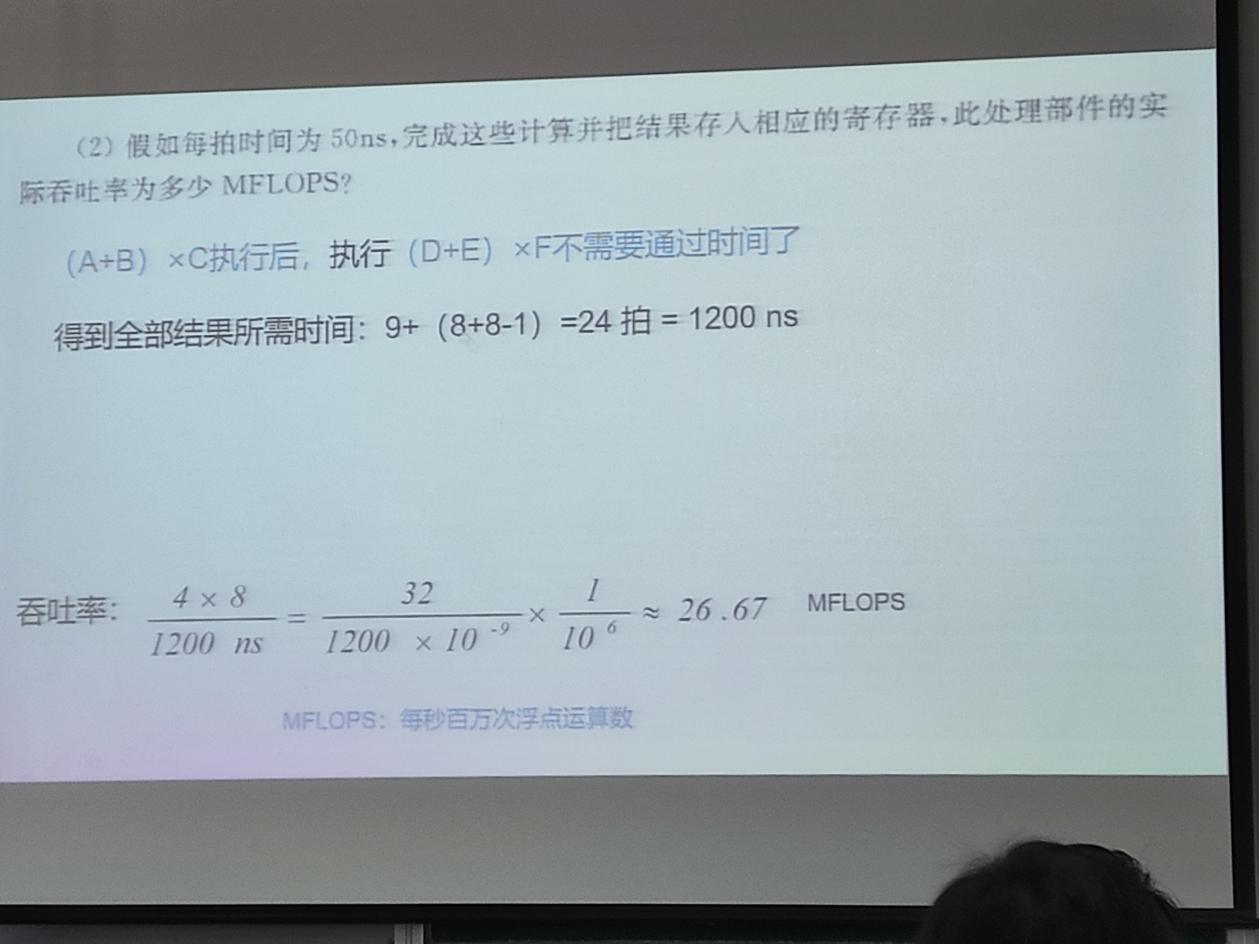


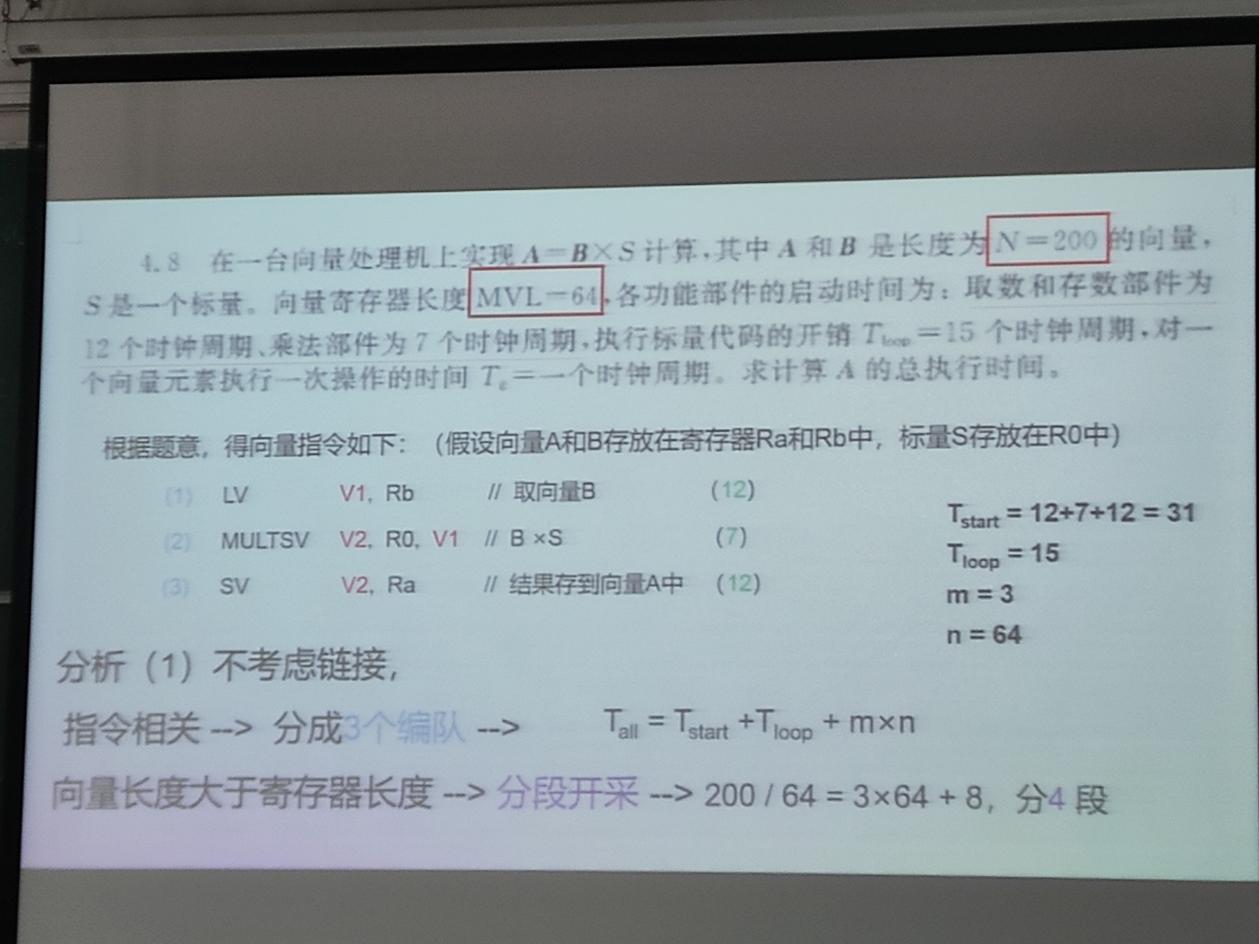
（读取流水 向量加流水 左移流水 逻辑加流水）

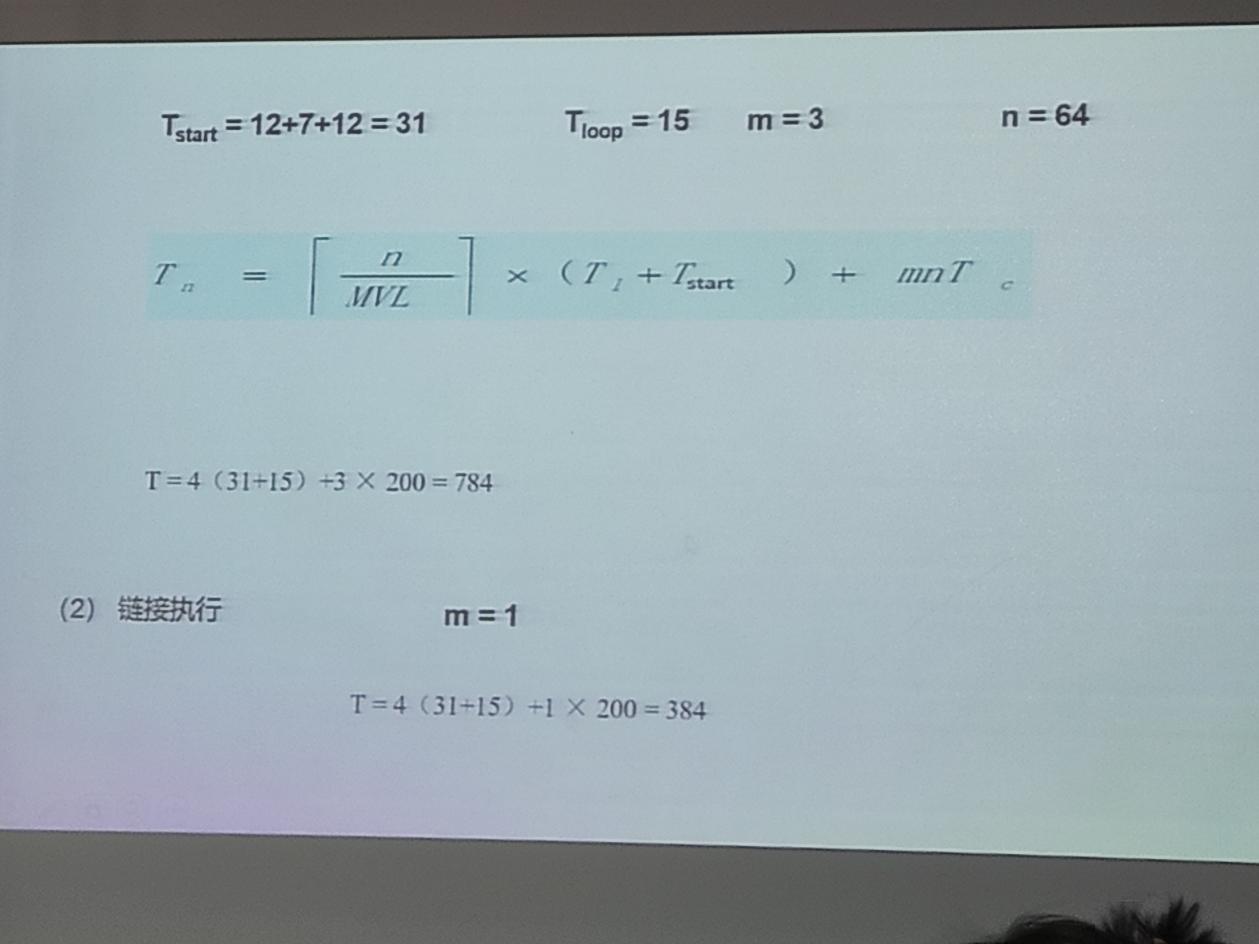
（存储器 V0，V1，V2，V3，V5）

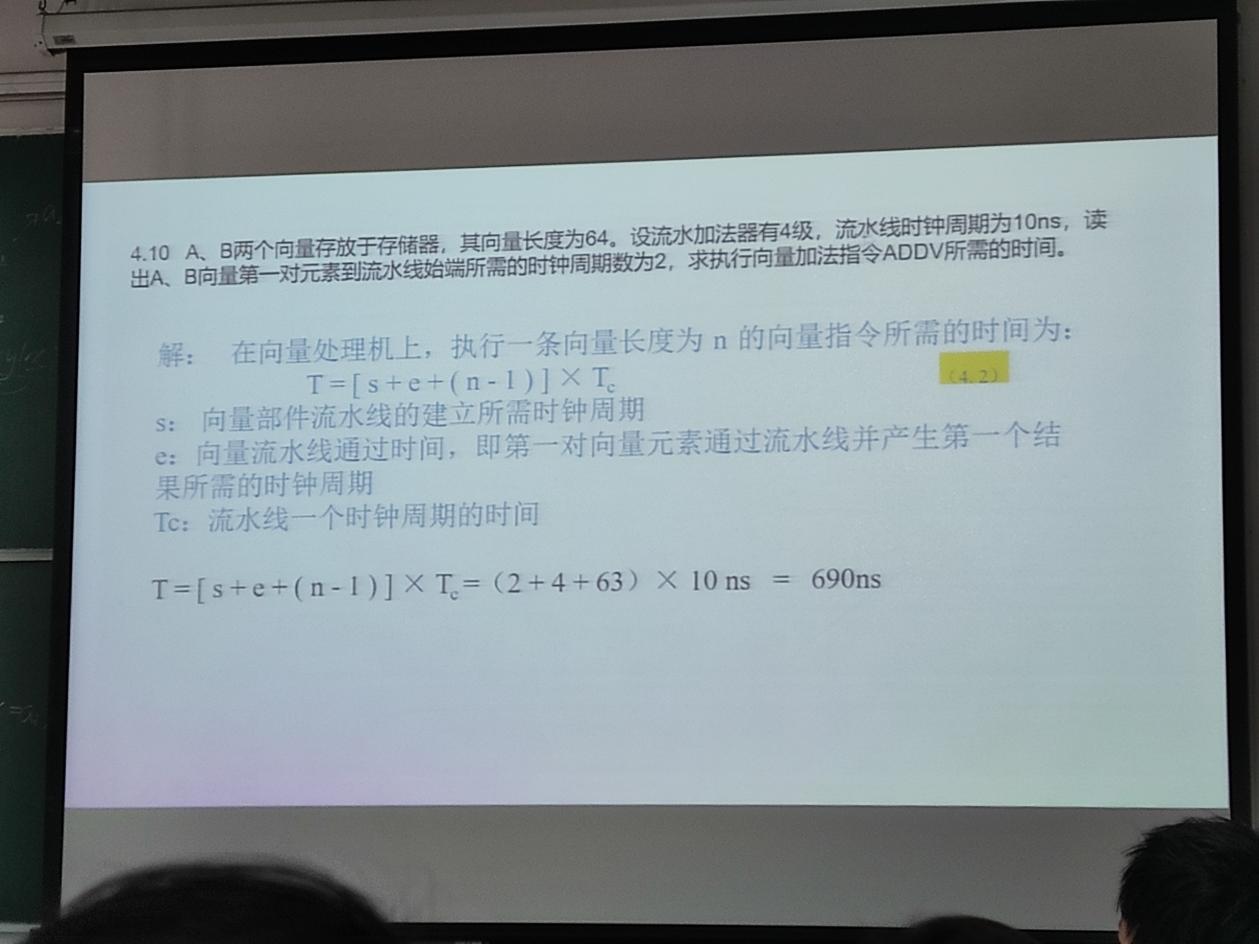


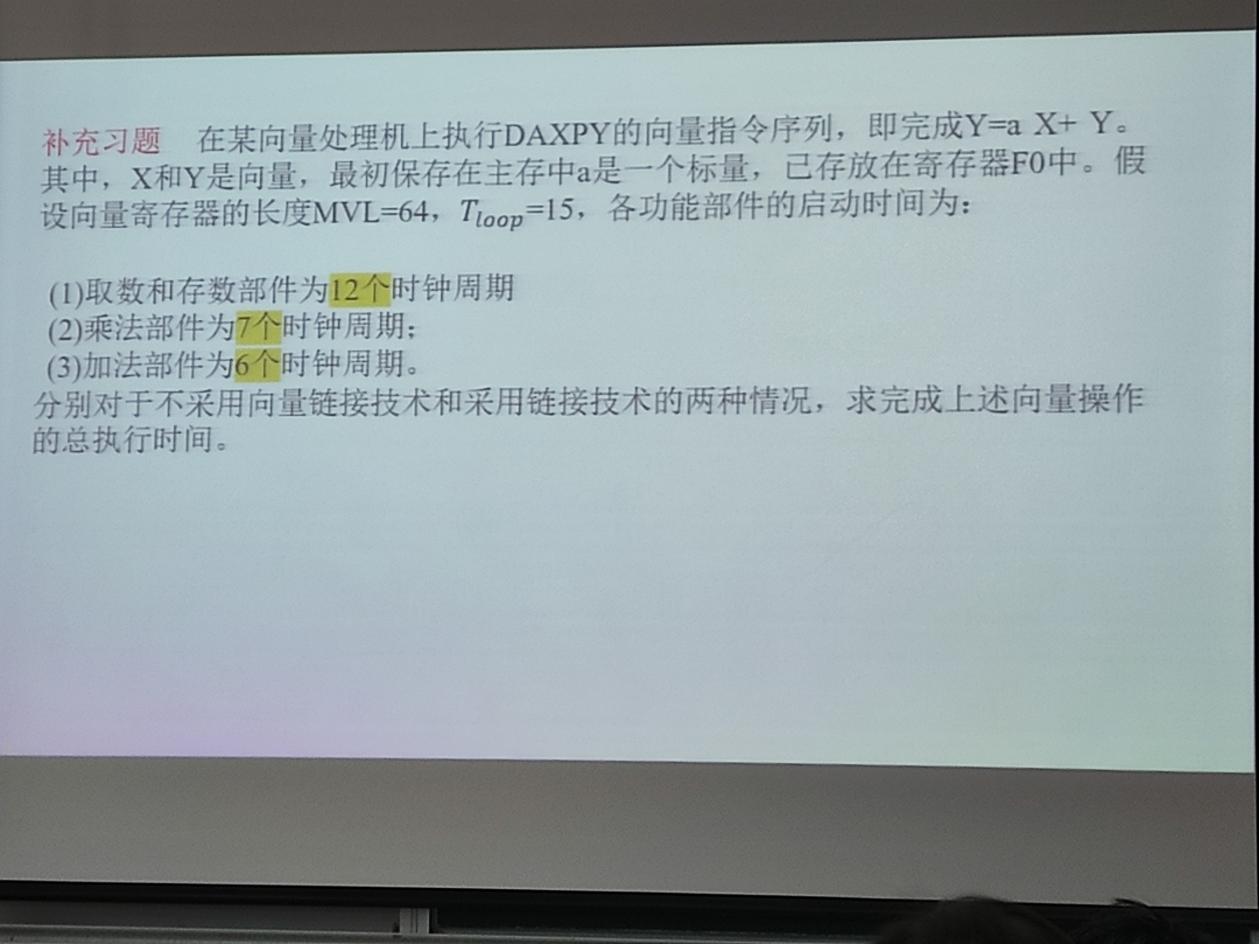


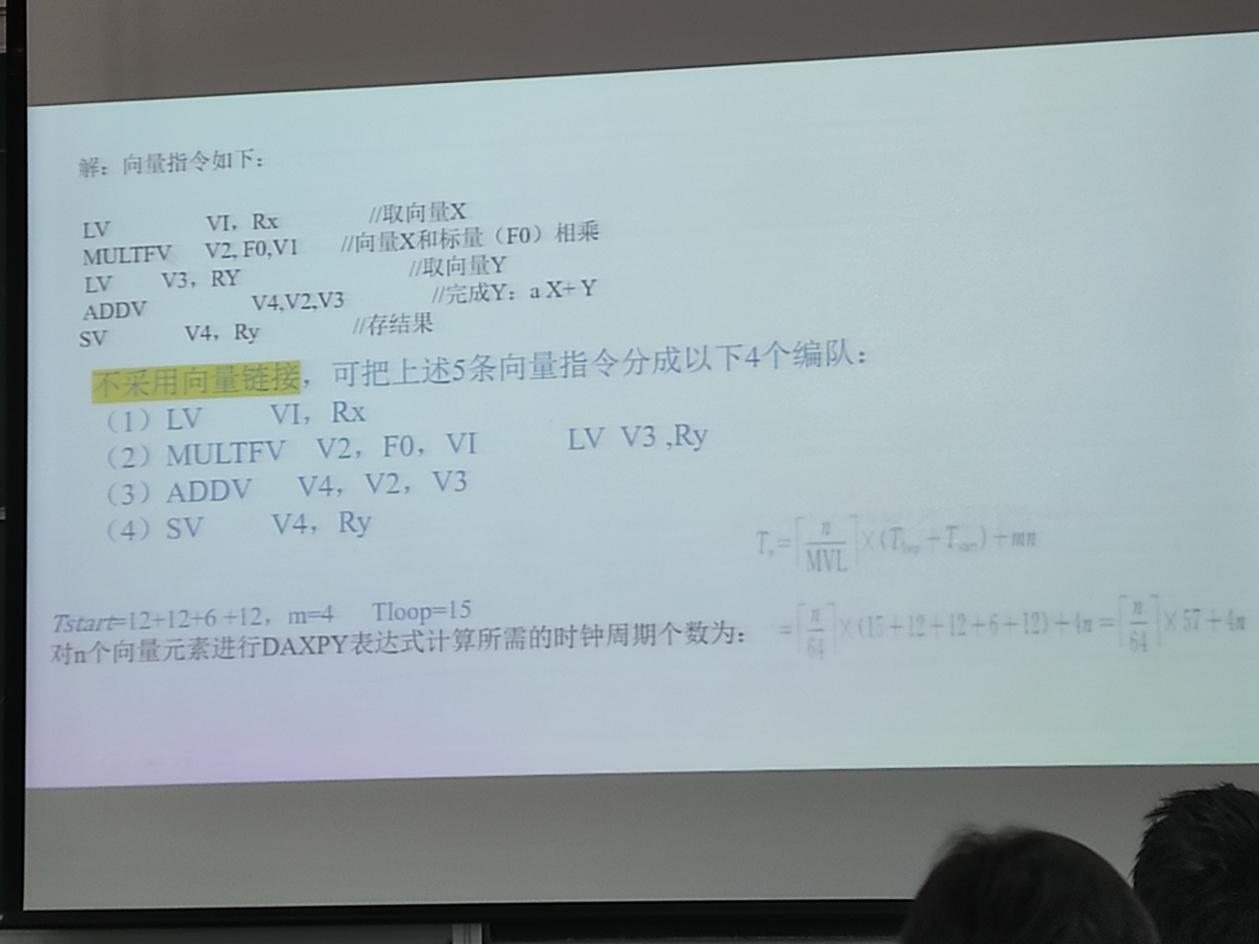


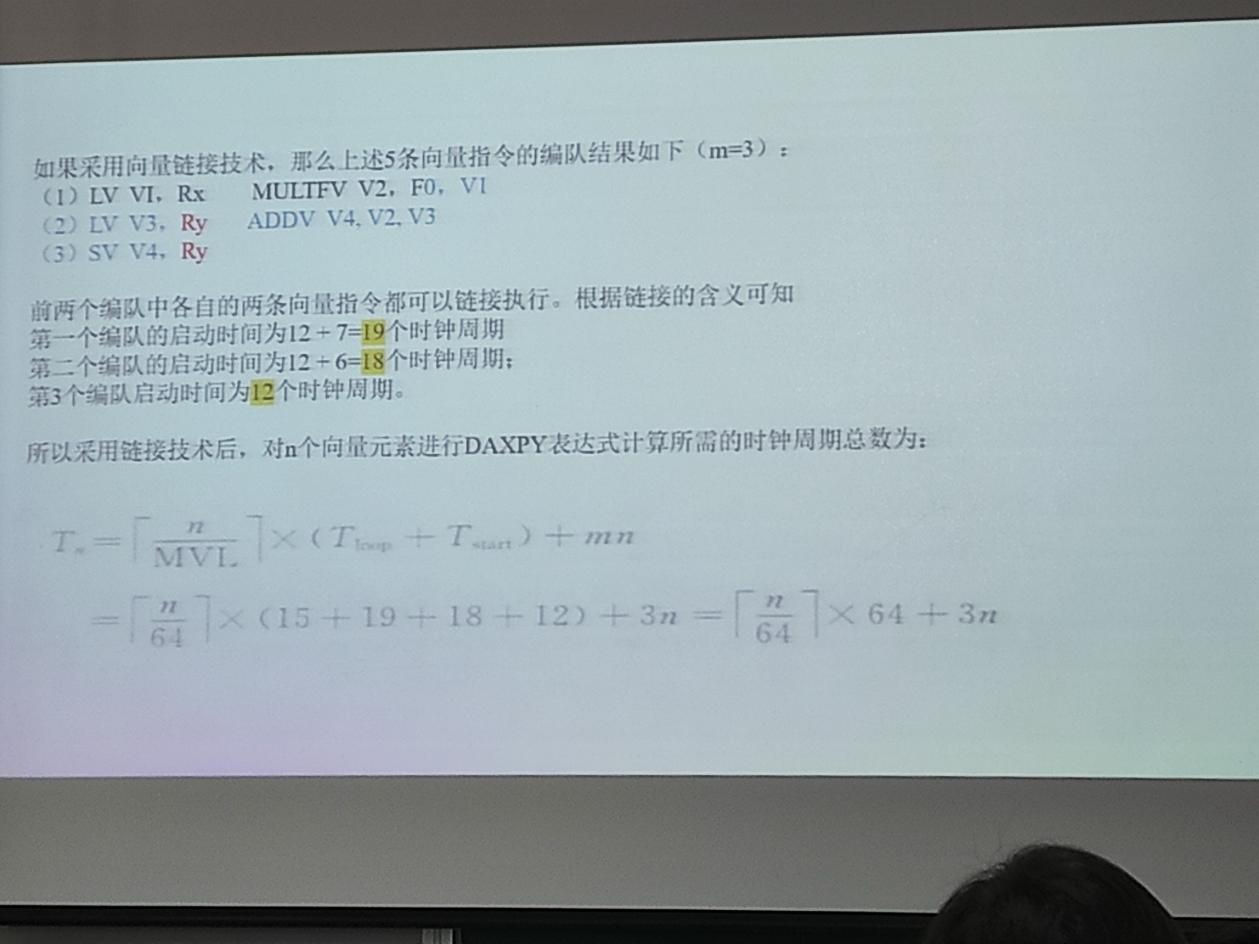


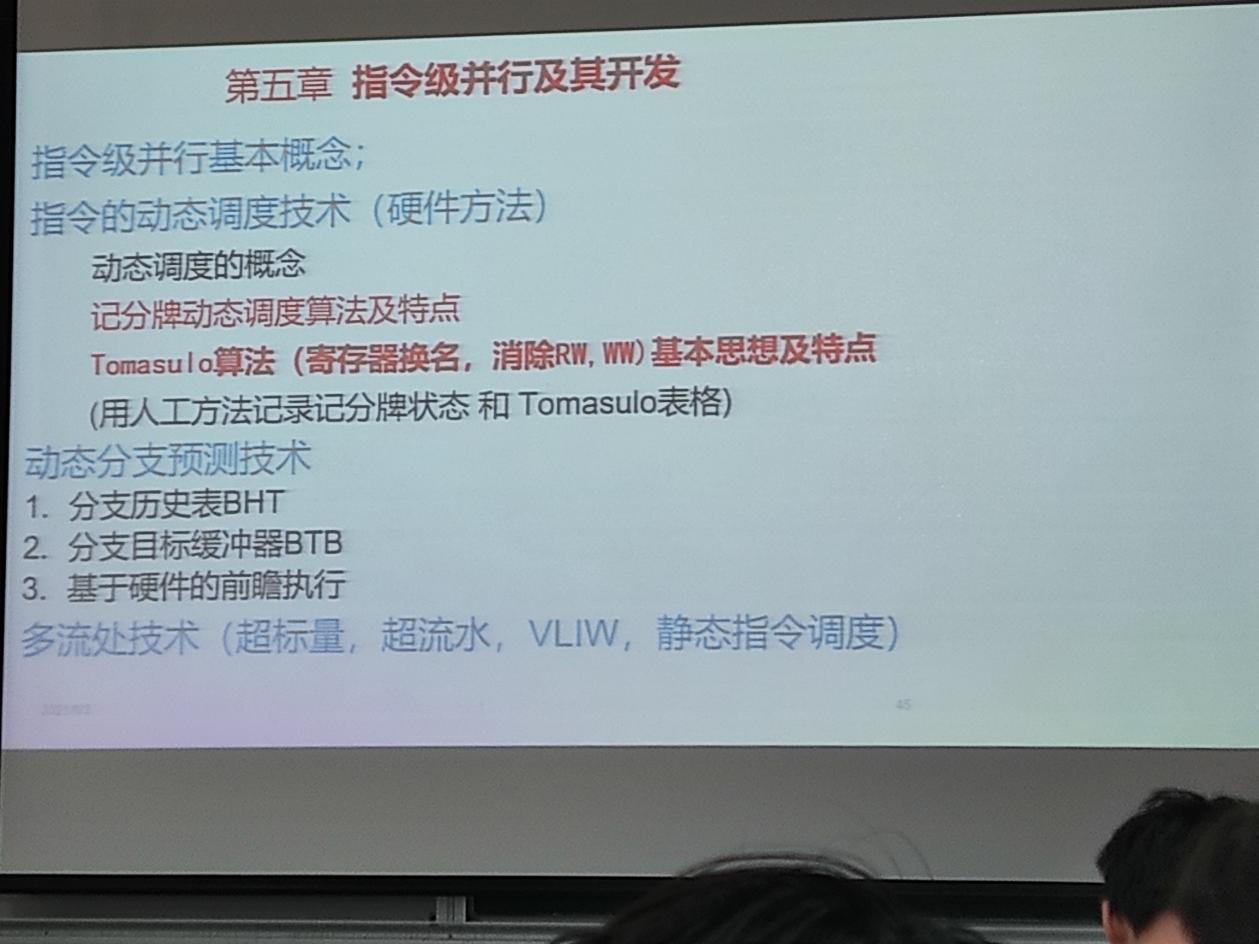




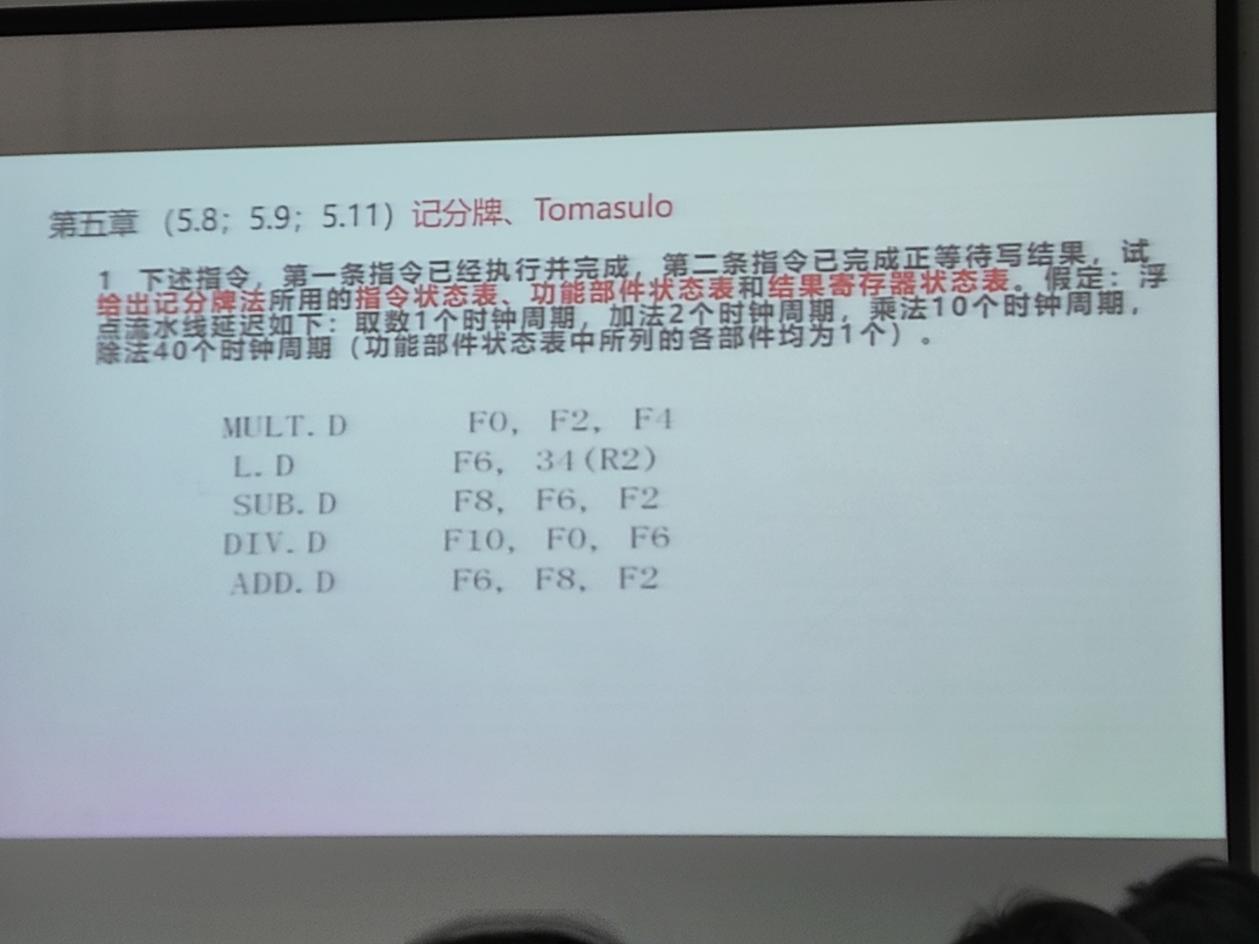


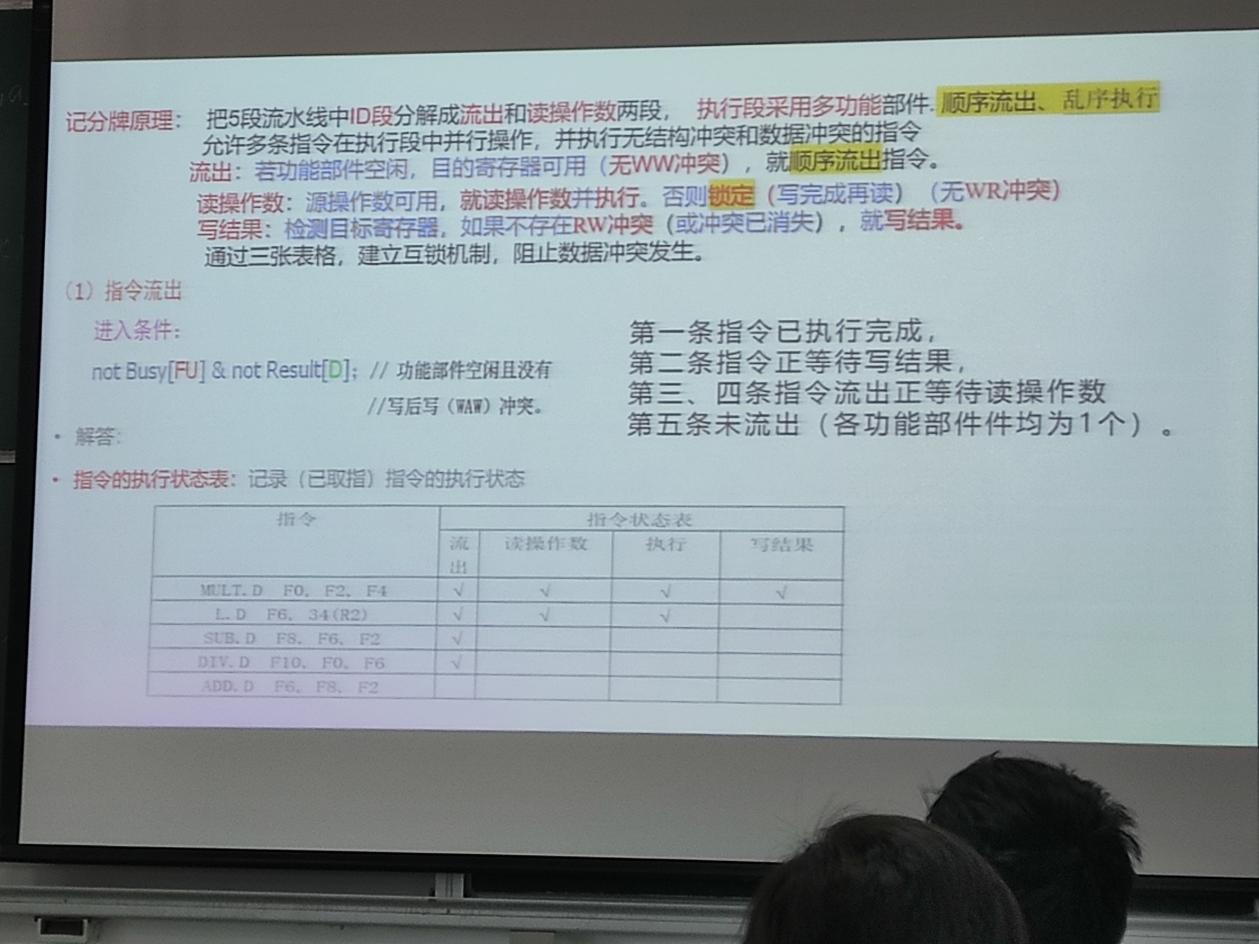


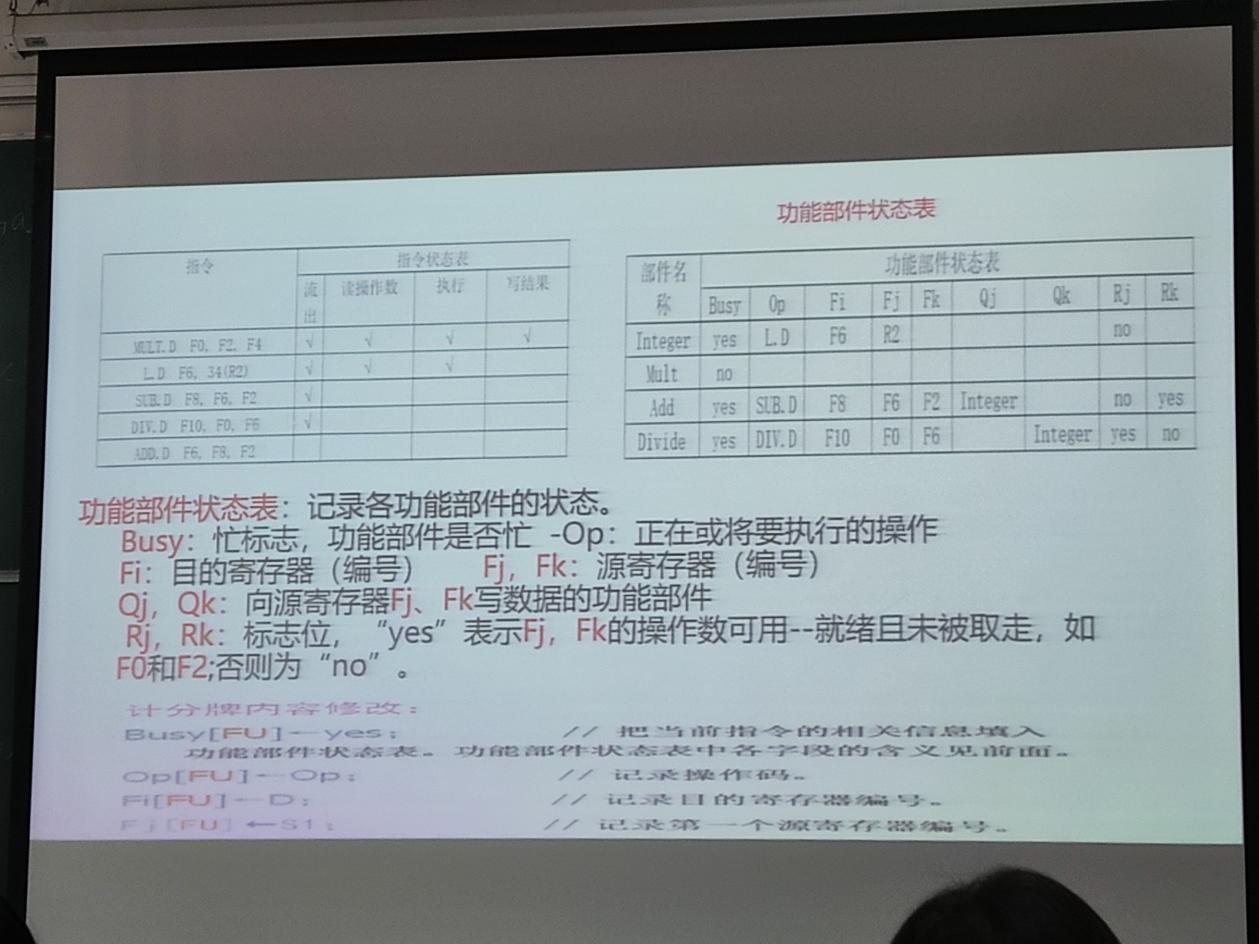


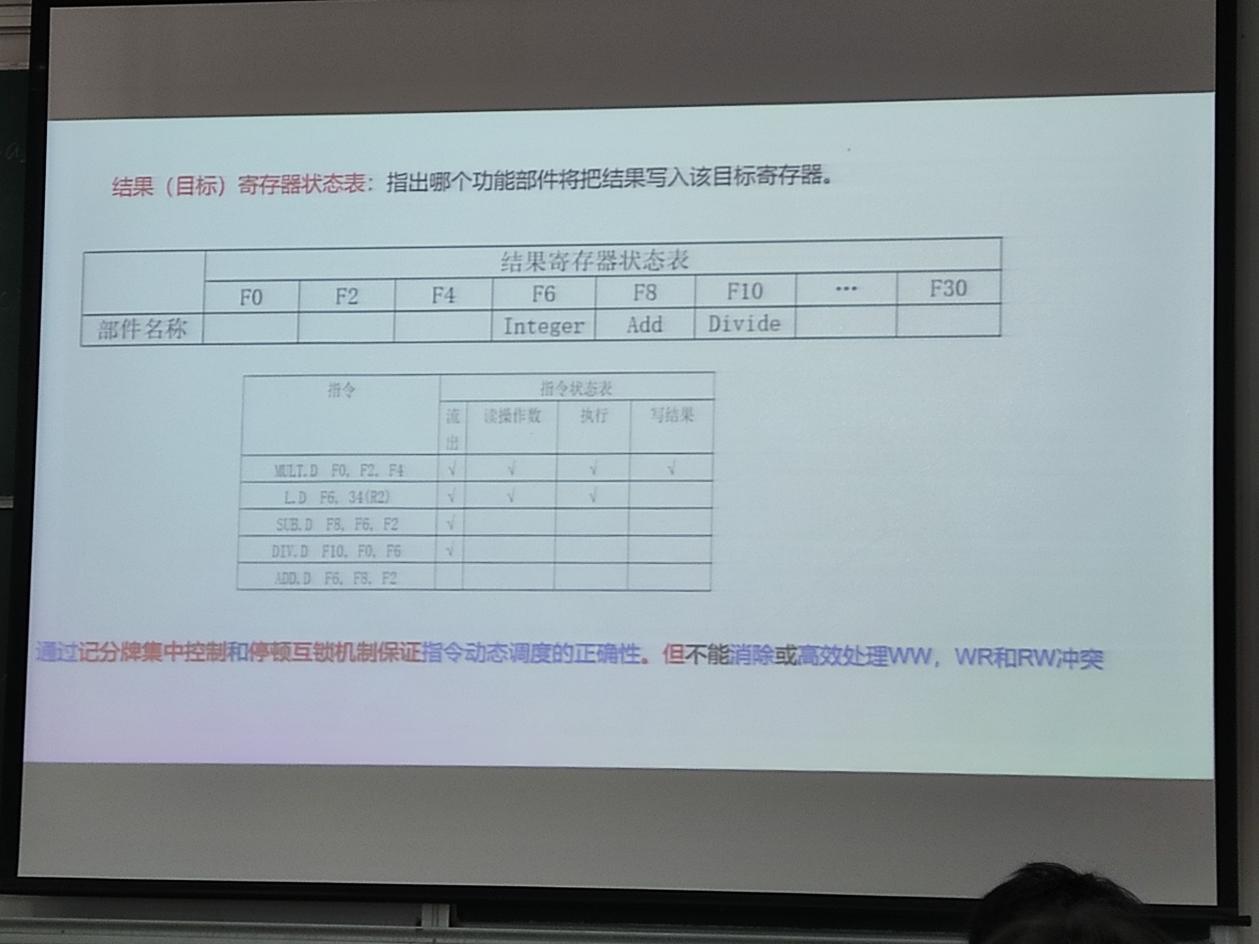


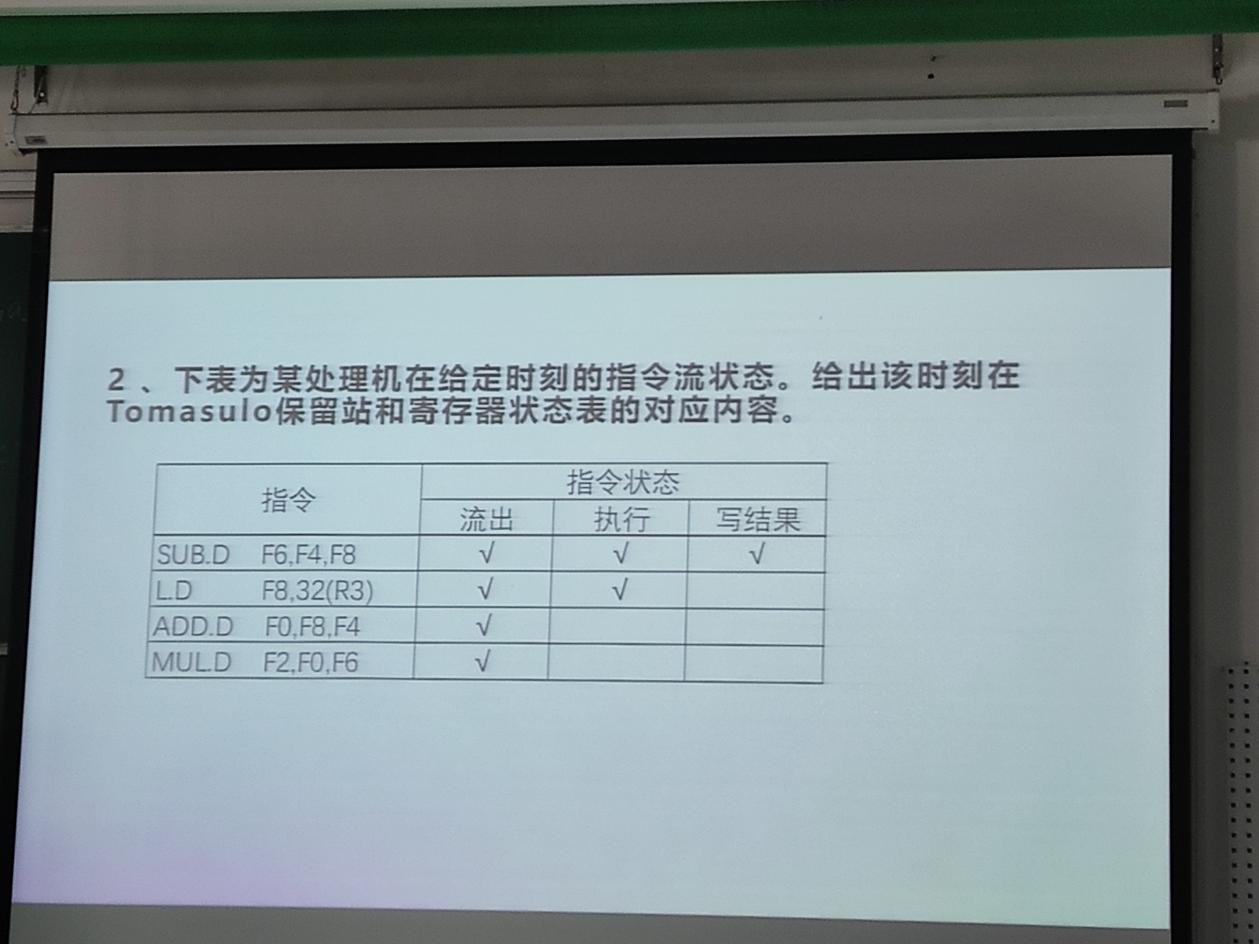
（动态分支预测技术——只记住基本概念即可）

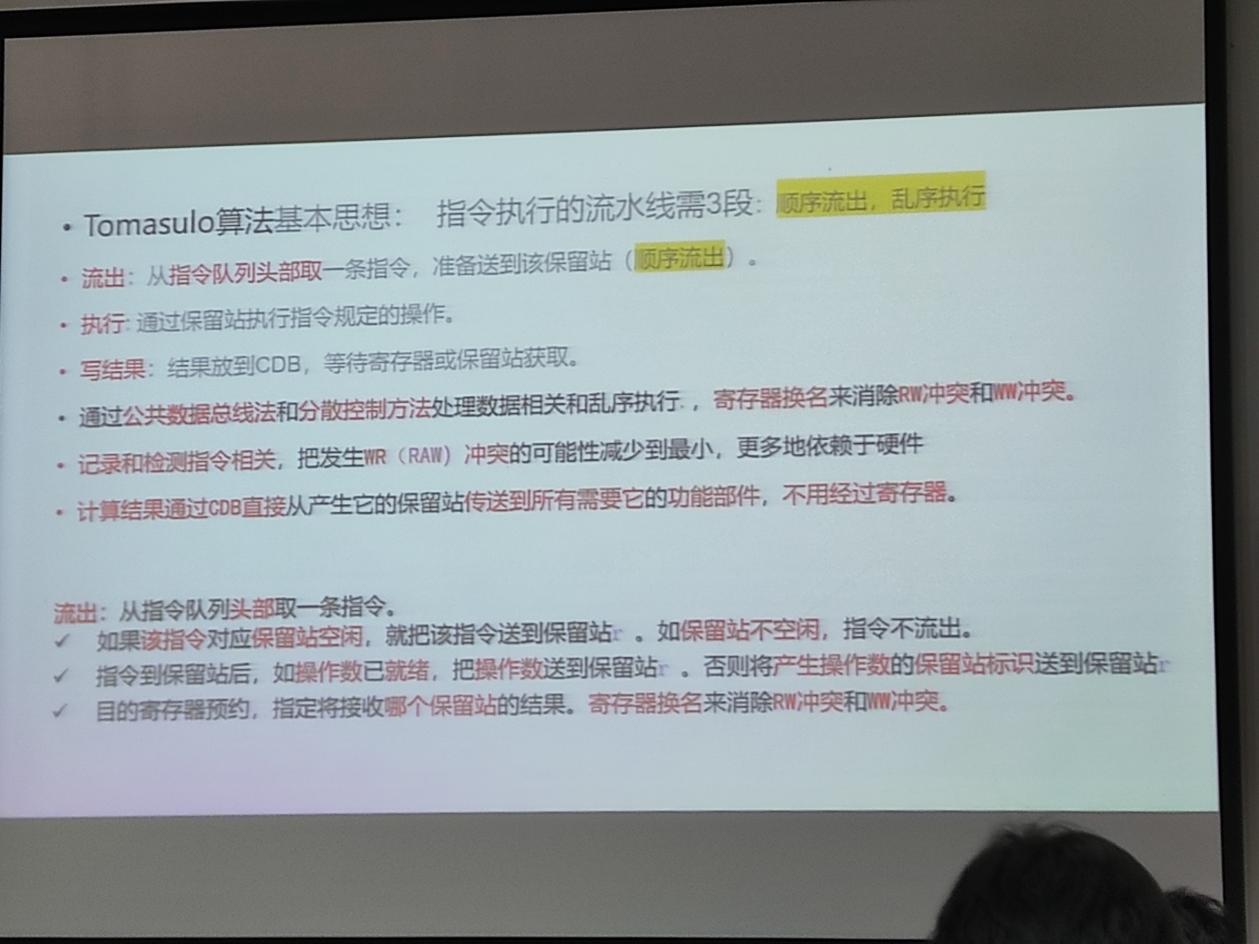


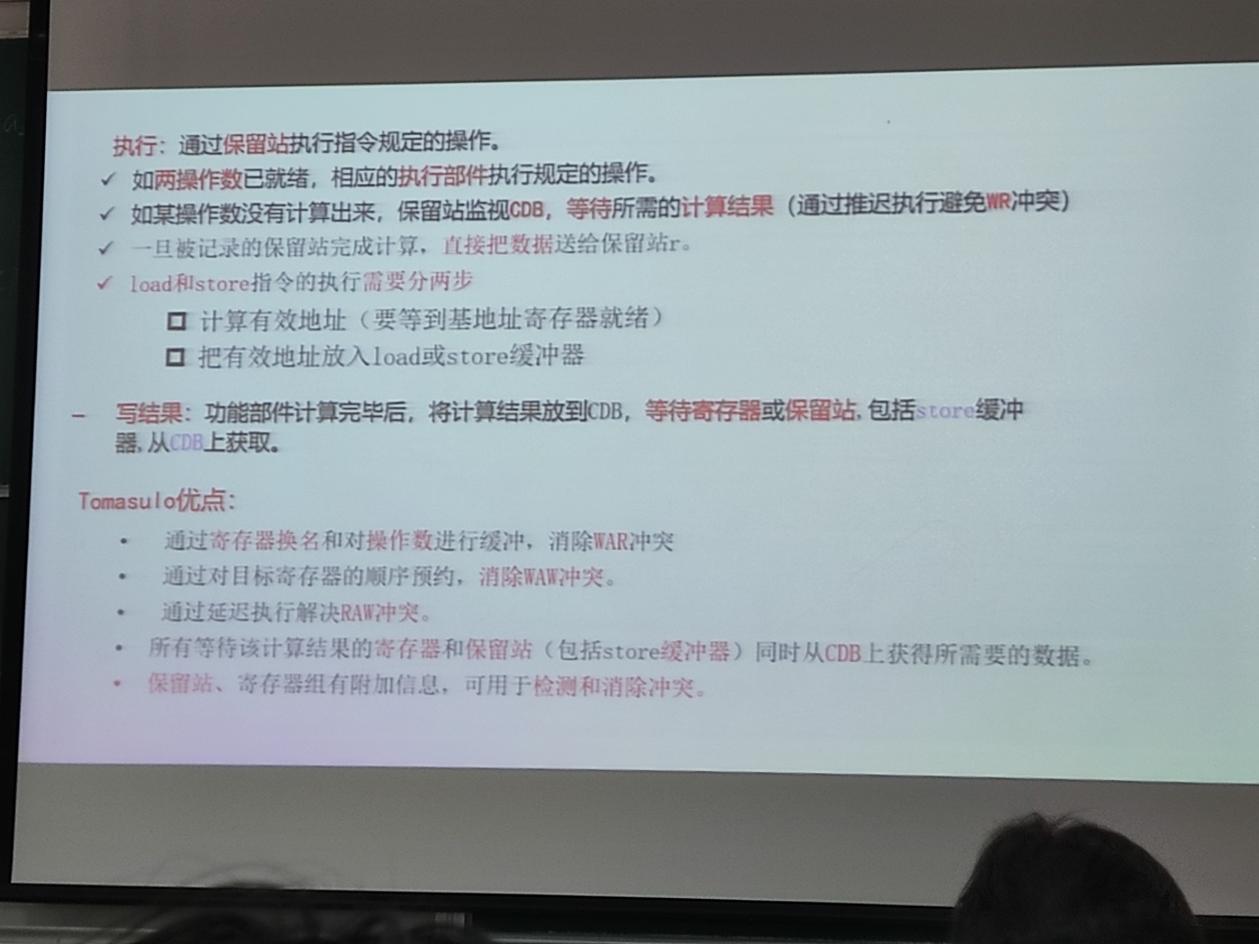


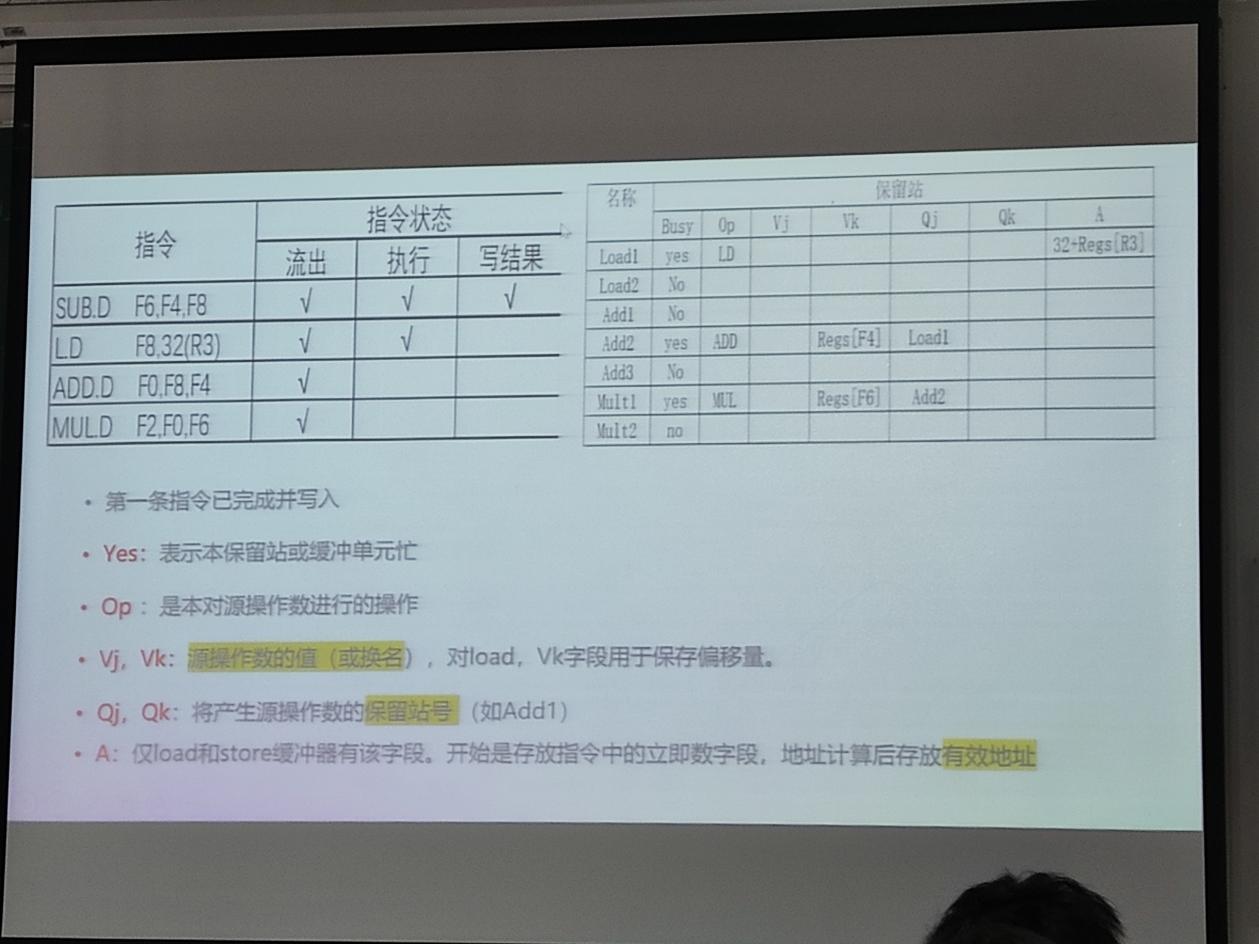


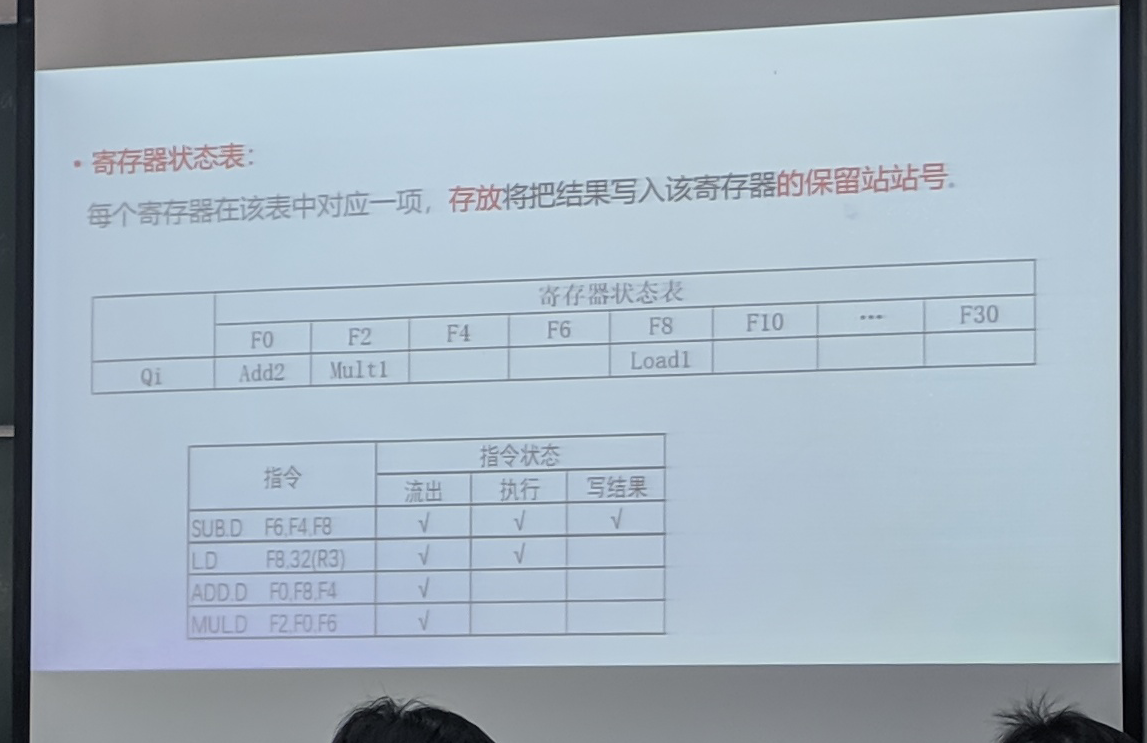


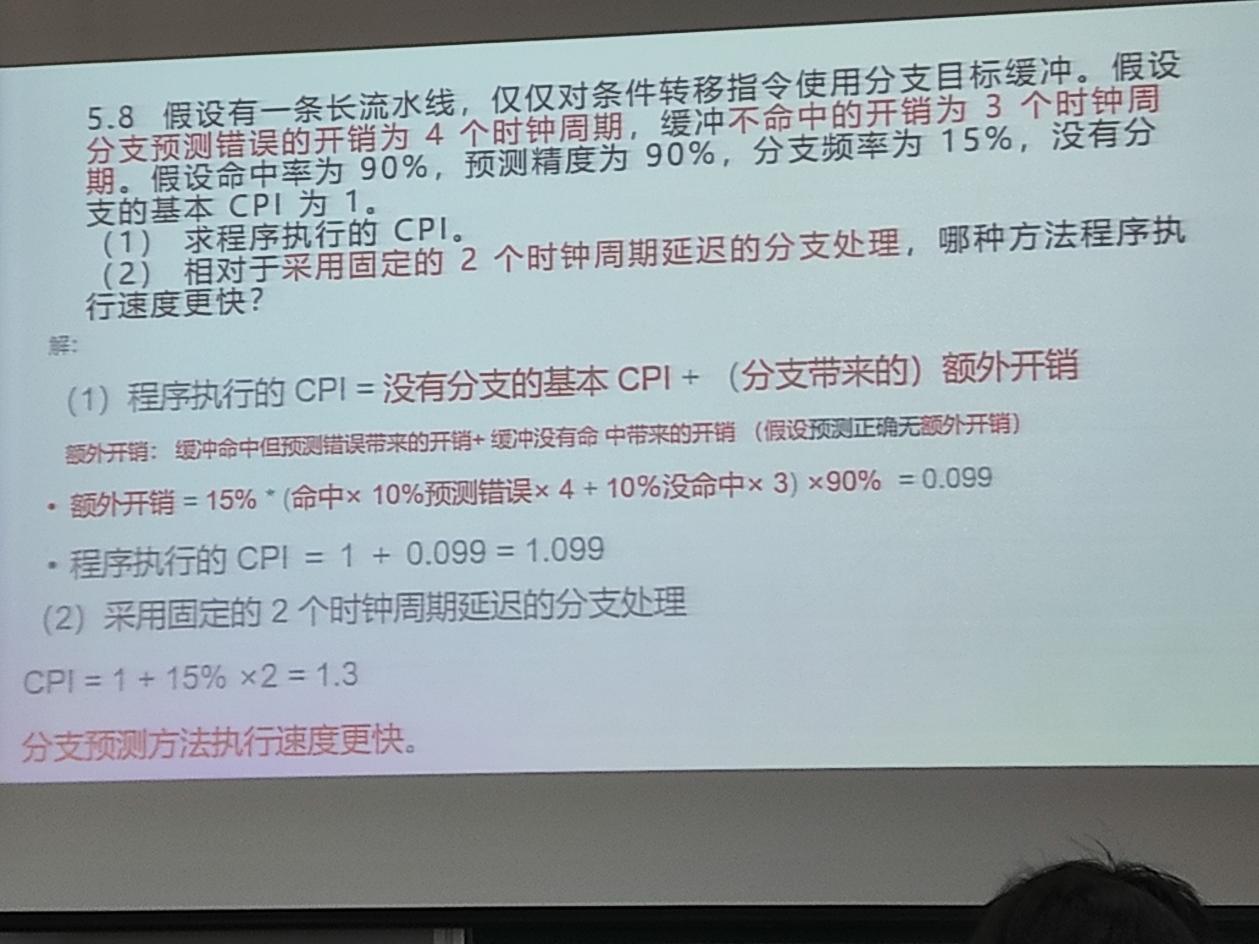


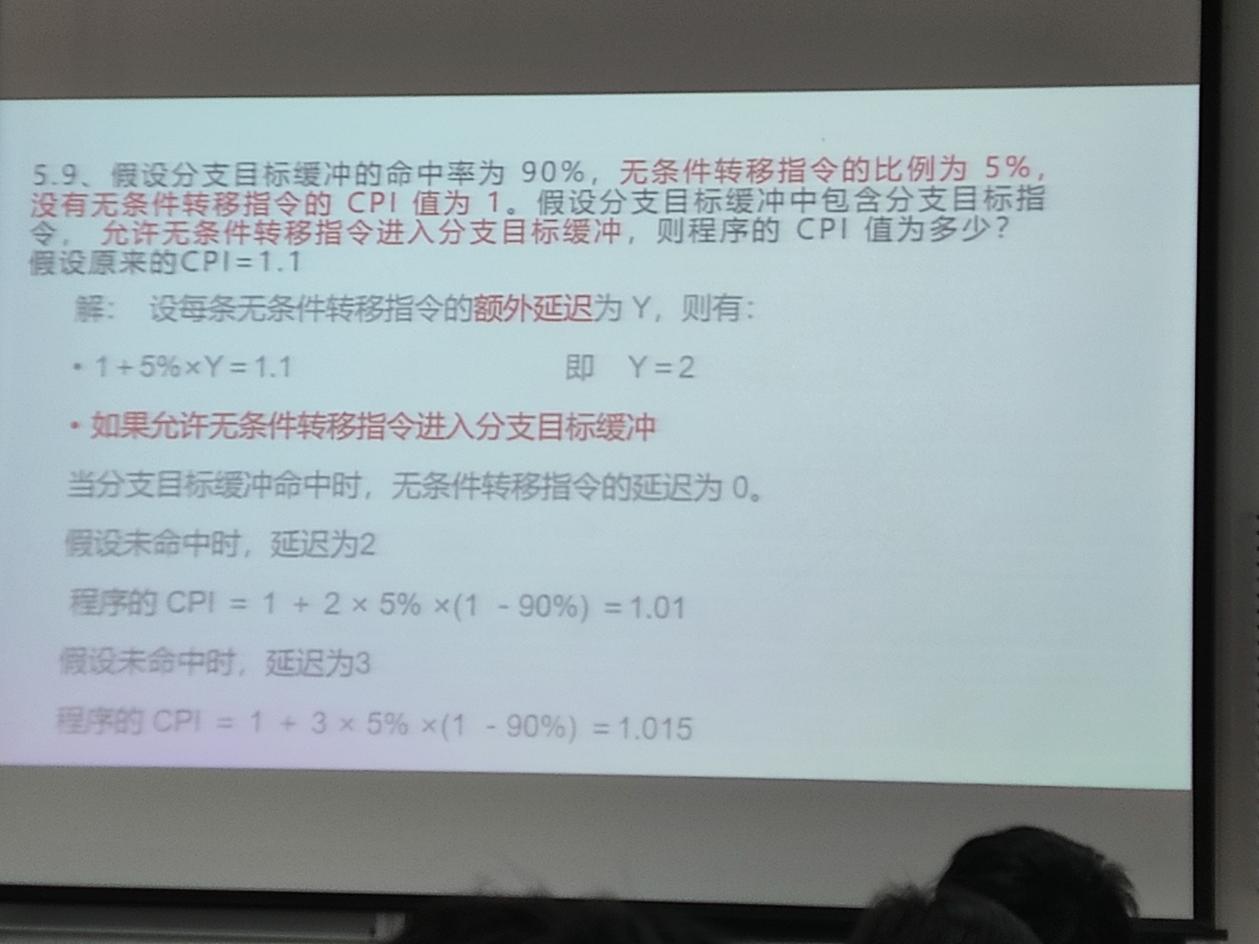












（和上课内容不太大）

