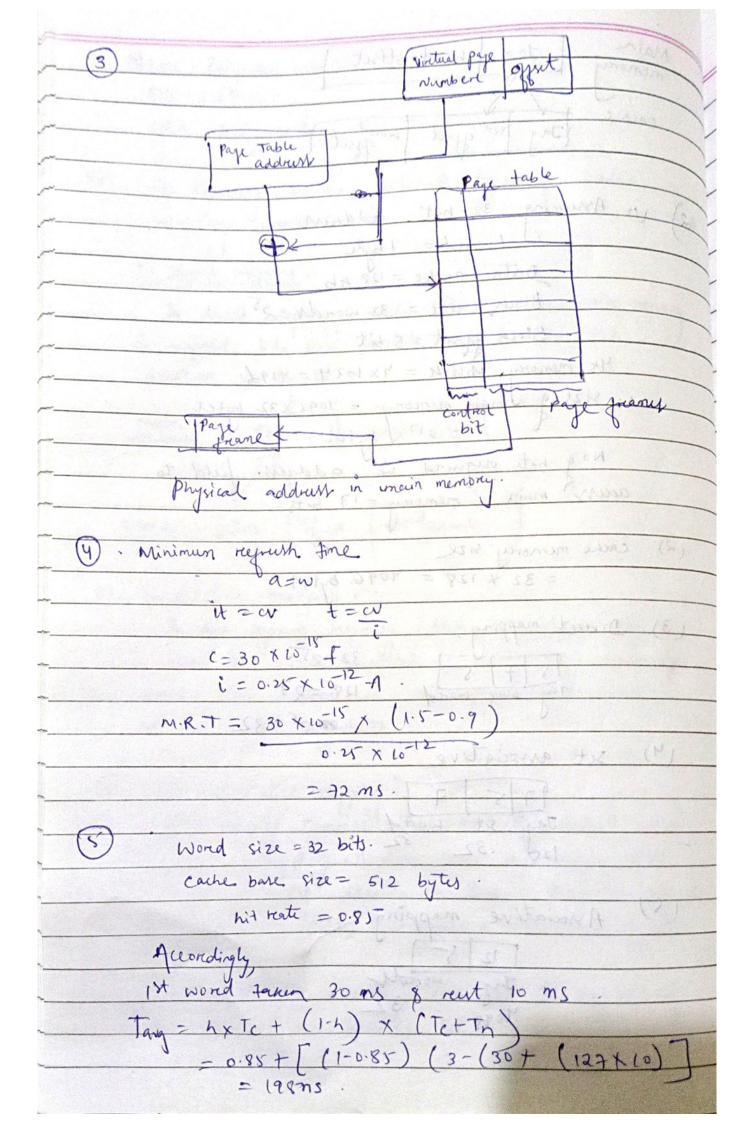
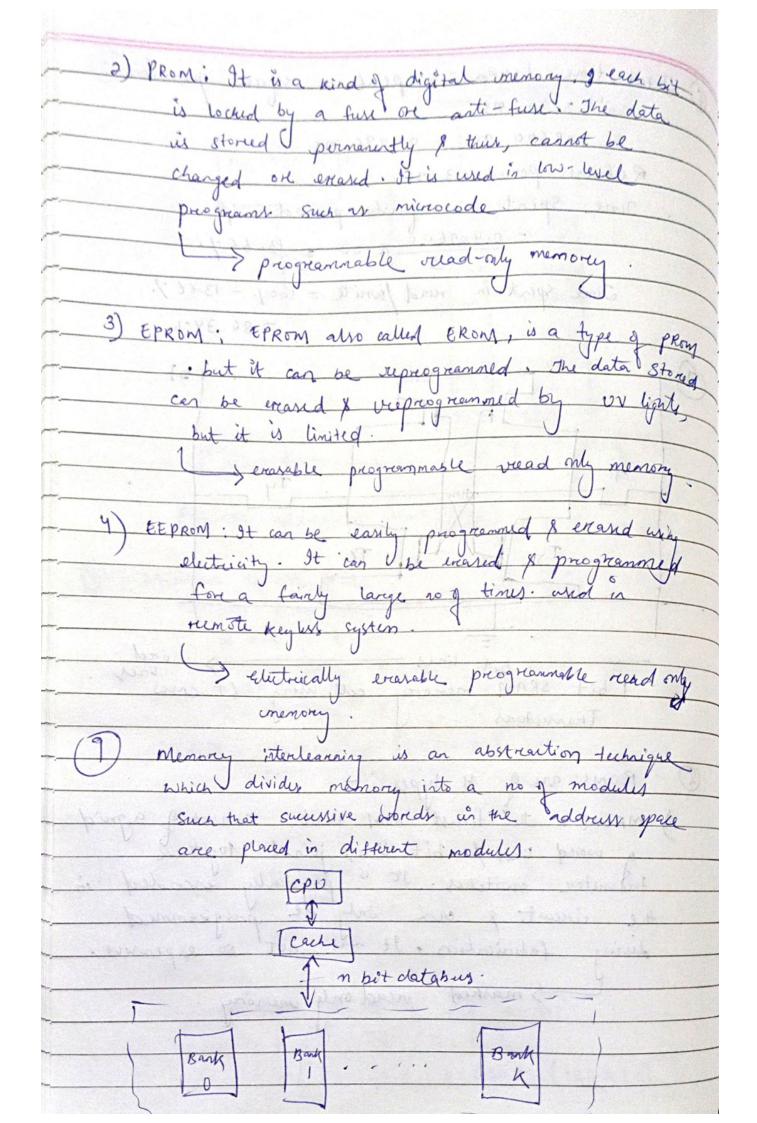


Tay set gent word . 1) Aruning 32-bit addrus I world = 1 byte Data cache = 128 xb Block size = 32 words = 28. Block gyset = 5 bit. YK menory block = 4x lozy = 4096. size of J main memory = 4096 x 32 bytes = 217 / bytel. Nog hits origined in address field acuty main memory = 17 bits. cache memory size Dent Mary manual = 32 × 128 = 4096. bytel (3) Drout mapping. 15 | + 1 5 | 32 = 25 Tag block word 128 = 27 20 25 = 32 1 AM set associative Jag set word 128 32 32 Associative mapping



1 Total time taken to persone ryour gereator = 214 x 25 ms = 409600 ms = 0.4096 ms Refresh period = 3 ms. . Time spent in regrush period in / = 0.409600 × 100 = 13.66% Jime spent in read farite = 100% - 13-66%. EPRILYE. 381 From also called them, is a for bit skam memory ell using of cmos

Transistors ((8) Roms are of 4 types: 1) MROM: The trust ROM that consist of agrid a world lines & bit lines joined together transiston switcher. It is physically encoded in the circuit & can only be programmed during fabrication. It was not so expensive. marked read only menory



It is a region of memory, used to temporarily hold data which it is being moved from one place to another. Data is first stored in buffer then it gets copied to cache s It is mostly used through softwares like data into the cache before the procussor originar the data, thus this increased the speed of the prouse pretating from moin menory it might not be able to lister to prouson so earle nuds à différent storage space to keep a court of the mine realis