Mohiom Agrawal. Sheet #10 -0 100 Problem 10.2 -3 CID No of blocks we ha (3) · Earn block thas 32 bits. (1) 0 Total no or inder possible from one block is 232. CH For Each block 0 er? Total space taken by block is 128 So therefore 232 X 128 = 512 GB is file system size b) Almost 64 bytes of data gio used for the meta data so that means of the 32 memory address, 16 are used and we have 16 1eft. Having one indirect, one double direct and one friple direct leaves us with 13 left for direct.

Mohiem Acrowal freiefore. + (322 K12D) (13 ×128) + (32×128) 1. + (323 1/28) ++1 Indilet Direct DOUBLE riple Eight of the size of block is - U330136 1024 11024 Store (1)8/4) 32 bytes of memora = 4.12 MB