

Question 1

block #	location
0 through 11	Direct block
12 through (11 + 1024 = 1035)	Single-indirect block
1036 through (1035+1024*1024 = 1049611)	Double-indirect blocks

Address = 1048576 ==> block number= $1048576/4096=256$

Block number=256 ==> index in the single-indirect block= $256-12=244$

Address = 5242880 ==> block number= $5242880/4096=1280$

Block number=1280 ==> double-indirect block number= $(1280-1036)/1024=244/1024=0$

Index in the double indirect block=244

