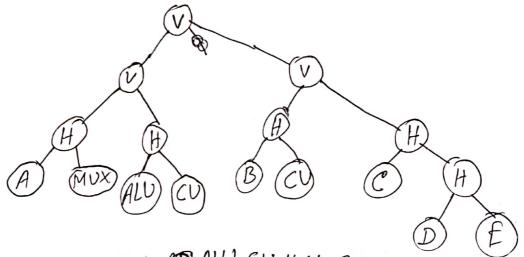
17201012 Quiz 4

Answer to the Q. No. 31

The slicing SEP floorplan given in the question is represented by a bimary tree structure known as slicing tree. The leaf nodes of the slicing tree are the blocks of the design. The other nodes are either represented by V on It. H si def defines honizontal partition and go V defines verticle partition.



: The onder: A MUXHAD ALL CUHV B CUH CADEHHUV.

With initial V the floorplan is split into two halfs, then we furthe devide the lest half by V then again split in the devide the lest half by V then again split it with two H thus get A, MUX, ALU, CU. Simillan process is used for aight right side.

Answer to the Q. NO.Z

The slicing floorplan given in a question is represented by a bimary tree structure known as slicing tree. The leaf nocles of the slicing tree are the blocks of the design. The other nocles are either represented by V on H. It defines horizontal opantition and V defines ventical partition.

For a slicing sloonplan there's ato sometime always an alternative sta slicing tree. Below and alterennative slicing tree is draw drawn

But in this case we can't make the an alternative free. But In the figure there are three V. partition. In Q. I we considered the varian widdle V for the root but for alternate free we need to consider left V on right V as root. If we select any of these two we can't draw the whole free due to when we partition a using any of these two V we get a H partition that leads to in conclusiveness to the next block. Ex. we select right side V as root then we get effect of blocks on one side rest on other, and in the rest part after doing H split can't reach a next V split. Thus alternative tree to isn't possible.