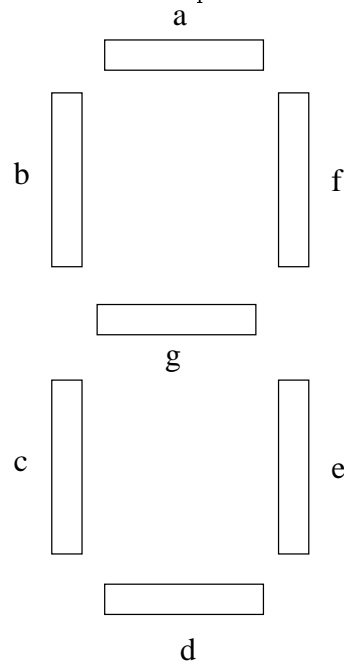# Asssignment 2

Problem: Design a BCD to 7-Segment LED Display Driver. Assume that when LED-'a' is glowing the value corresponding to 'a' is HIGH. Formulate the boolean functions for a, b, c, d, e, f, g. and design the driver in 180nm technology using

1) Static CMOS.

2) Pass Transistor Logic (Using LEAP Cells).

3) Using Dynamic CMOS Logic (Domino Logic).

Assume 4 bit inputs and values above 9 are all don't care.



Those who have access to DOE lab, can do the same using their technology.

**SUBMISSION DEADLINE: Before Mid-Sem (23rd Feb).**