Tut 6. Solm.1.
18 1000
1 1001
16 1020
1st instruction: MOVI Rs, 1
immediate addressing 80, Rs < 1.
so content of Rs is 1.
2nd instruction: LOAD Rd, 1000 (Rs)
content of displacement addressing so, Ry ([000 + [Rs]]
⇒ Ra ← [1000 + v] ⇒ Ra ← [1001]
=> R. ← [101]
≥) Rd ← 1.
3rd instruction: ADDI Rd, 1000
immediate addressing So, Rd + Rd] + 1000
=> Rd < 1+1000
=> Rd ← 1+1000 => Rd ← 1001.
4th instruction: STOREIO(Rd), 20
est displacement addressing, then store
so 0+[Ra] ← 20
⇒ 0+1001 1 20
=) 1001 (20
so 20 will be moved to 1001 th lo cation.
so option(d) is correct.

Tut6 Sol 2.

9 load immediate 20 7 AC = 20. b) load direct 20 7 AC = [20] i.e content of 20 i.e 40.

O load indirect 20 → AC ← [[20]] i.e content of 40 i.e 60.
D load immediate 30, ← te ← 30.

e) Load direct 30 -> AC = [[30]] i.e content of 50 i.e 50.