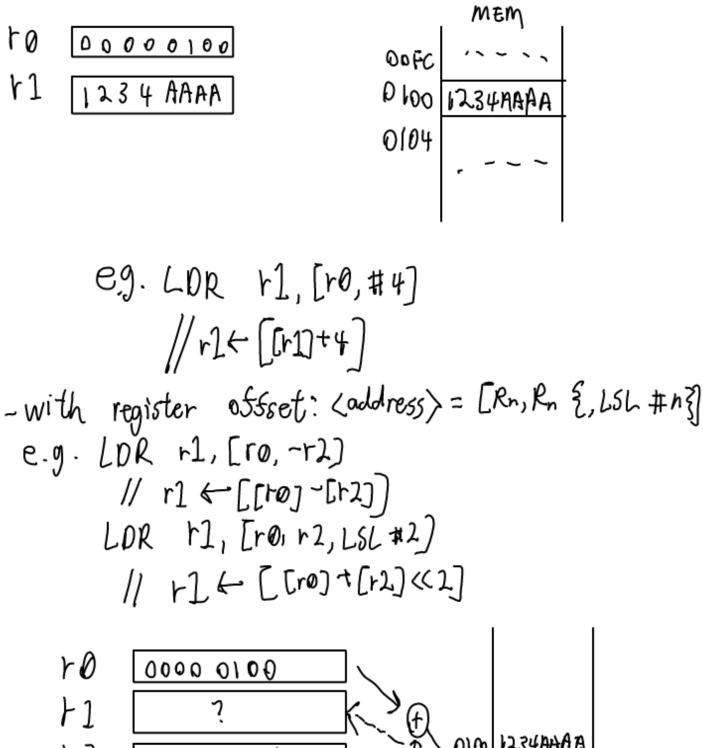


5.1) P.P. Instructions (cont.)
-shift
Sormat <op> {5} {cond} Rd, Rm, <rs #n="" =""> ASR, LSL, LSR, ROR, RRX</rs></op>
e-g. LSL r1, r0, r2
//r1 ← [r0] << n [[r2]
5.2) Memory Access Instructions (lab manual ref [7]) -Sormat:
LPR (store register) Or STR (store register) Struct (address) Condition reg (loads) Source reg (stores) Only executes is true B byte 7 zero-extended H halsword 32-bits on he Structure signed byte 3 signed
- with immediate offset: <address>=[Rn {, #offset}]</address>
e.g. LPR r1,[r0] 1/12 [[r07+0] from memory



= 0000 0100

ideal picture: memory 0000 B000 table Vector program Problem: 1000 0000 SUM loader doesn't initialize the data segment. ARRAY 2 3 N is the Memory Solution: array length vector table 0000 0000 Program 0000 0100 ARRAY 0000 OHC 000a 0120 2 3 Ψ 1000 0000 SUM

5.3) Example: sum