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```
25  #1b)
26          li s4, 100
27          li s1, 0                # initialize i = 0
28  loop:
29          slli t0, s1, 2          # t0 = i * 4
30          add t2, t0, s2          # compute addr of A[i]
31          add t3, t0, s3          # compute addr of B[i]
32
33          lw t1, 0(t2)            # load value in A[i]
34          lw t4, 4(t2)            # load value in A[i+1]
35          lw t5, 8(t2)            # load value in A[i+2]
36          lw t6, 12(t2)           # load value in A[i+3]
37          addi t1, t1, 4          # add 4 to the value in A[i]
38          addi t4, t4, 4          # add 4 to the value in A[i+1]
39          addi t5, t5, 4          # add 4 to the value in A[i+2]
40          addi t6, t6, 4          # add 4 to the value in A[i+3]
41          sw t1, 0(t3)            # save A[i] + 4 in B[i]
42          sw t4, 4(t3)            # save A[i+1] + 4 in B[i+1]
43          sw t5, 8(t3)            # save A[i+2] + 4 in B[i+2]
44          sw t6, 12(t3)           # save A[i+3] + 4 in B[i+3]
45
46          addi s1, s1, 4          # i = i + 4
47  test:   bne s1, s4, loop        # 17 instructions in the loop
48                                  # 25 iterations
49                                  # 2 + (17 * 25) = 427 instructions total
```