```
$29, $29, -32
addiu
          $31. 20($29)
SW
          $4. 32($29)
SW
          $5. 36($29)
SW
               24($29)
          $0.
SW
          $0. 28($29)
SW
٦w
          $14. 28($29)
          $24. 24($29)
٦w
          $14. $14
multu
addiu
          $8. $14. 1
slti
          $1, $8, 101
          28($29)
sw $8,
mflo
          $15
addu
          $25, $24, $15
          $1, $0, -9
bne
          $25, 24($29)
SW
          $4. 4096
lui
] W
          $5. 24($29)
ial
          1048812
addiu
          $4, $4, 1072
          $31, 20($29)
٦w
addiu
          $29, $29, 32
jr
          $31
          $2.
               $0
move
```

FIGURE A.1.3 The same routine written in assembly language. However, the code for the routine does not label registers or memory locations nor include comments.

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