## Question 1 (15 points):

```
1 # license-plate array
2 .data
3 plates:
      .asciiz "GFC-906"
      .asciiz "FNL-909"
      .asciiz "BTP-610"
6
      .asciiz "GTC-883"
7
      .asciiz "KCH-135"
8
       .asciiz "JCW-320"
9
      .asciiz "MPV-591"
10
      .asciiz "MZL-574"
11
```

Each null-terminated string in the figure above corresponds to an Alberta license plate number. All license plates have the same number of characters. The first string in the list corresponds to plates [0]

,	<b>points</b> ) Write the shortest sequence of MIPS instructions that places the address of the st character of plates[3] into register \$a0.
•	points) Assume that register \$a1 contains an unsigned integer value k. Write the short quence of MIPS instructions that places the address of the first character of plates [k]
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	<b>points</b> ) Write the shortest sequence of MIPS instructions that loads the third character of plates[5] (this is the "W" character) into \$t0.
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