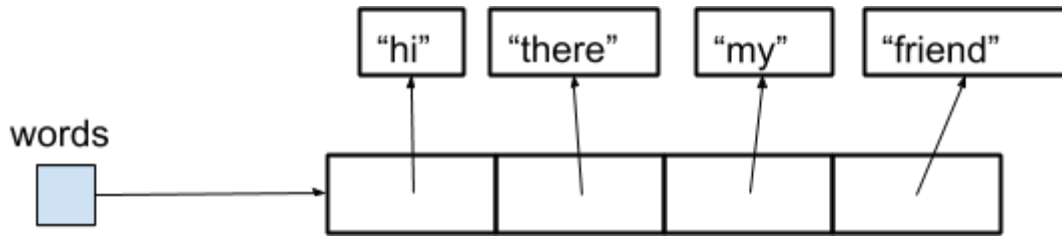


Name: _____ CM: _____ Section: _____ Grade: _____ of 10

You are given a list of words represented by the following box and pointer diagram:



1. What does the following statement cause to be displayed? `print(words[0])`
2. Write a line of code that sets the variable `x` to the string "friend", using the `words` list.
3. Write a line of code that replaces the string "my" in the `words` list by the string "her".
4. What happens if we try to print `words[4]`? Why?

In the following problems, assume that **you are given a long sequence called *things*.**

5. Write a line of code that prints the number of items in *things*.
6. Write a line of code that prints the last item in *things*.
7. Write code to print all of the items in *things*, each on their own line.
8. Explain what this code prints (assuming that *nums* is a sequence of numbers):

```
total = 0
for k in range(0, len(nums), 2):
    total = total + nums[k]
print(total)
```