QUIZ!

Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put <u>only your last name</u> in the <u>far upper left hand corner</u> of the paper, where a staple would hit it. (It's OK to write BIG, just start in the corner!)

Mitchell Avoid A 1/2-Point Deduction!

Numbering responses may help you avoid overlooking a question; it's ok to go ahead and pre-number your sheet.

Feel free to abbreviate.

5 questions; 3 minutes; $\frac{21}{2}$ $\frac{31}{2}$ points.

Briefly raise your hand when you're done.

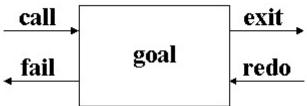
Quiz 12, April 9, 2015 3 minutes; $\frac{1}{2} + \frac{1}{2} + 1 + 1 + \frac{1}{2}$; $\frac{2\frac{1}{2}}{2}$ 3½ points total

- 1. Write an example of a structure with two terms.
- 2. Write an example of a predicate indicator.
- 3. Draw the box of the four-port model and label the ports. Be sure to include the arrows for the ports. (1 point)
- 5. What is the following query asking??-color(lettuce,C1), color(broccoli,C2), C1 == C2.

EC ½ point: Rewrite #5's query to make better use of the language.

Solutions

- 1. Write an example of a structure with two terms. a(b,c).
- 2. Write an example of a predicate indicator. write/1
- 3. Draw the box of the four-port model and label the ports. Be sure to include the arrows for the ports. (1 point)



4. Consider the following query:

?- A=B, write(A), write(-), A=10, write(B), A=20.

What does it output, if anything? _GNum-10

Does it succeed or fail? It fails.

5. What is the following query asking?

?- color(lettuce,C1), color(broccoli,C2), C1 == C2.

Originally I wrote, "Are lettuce and broccoli the same color?" but

"What color(s) do lettuce and broccoli have in common?" is more accurate.

EC ½ point: Rewrite #5's query to make better use of the language.

?- color(lettuce,C), color(broccoli,C).