

Welcome to the Puzzle Hunt program!

In this department, you can earn a degree in a single day!

In the departmental curriculum, you will have to complete an assignment from each of a variety of courses present or referred to in this document. Successful completion of each assignment will result in the knowledge of a word, name, or short phrase. To verify the answer to an assignment, send an e-mail to `zjb-hunt-answers@cs.rit.edu`, with the subject "Puzzle n" (without quotes, replacing n with the course number from 1-12) and include only your answer, IN ALL CAPS, in the body of the message. If your answer consists of more than one word, submit it as a single string of characters without spaces. [You may test the response system by submitting the answer ANSWER for puzzle 0.] Once you have completed a sufficient number of courses, you will be ready to embark on your capstone project, in which you must integrate all the knowledge you acquired in your studies. Completing the capstone project will tell you where to pick up your degree! When you believe you know this, please contact me directly (office 70-3651, phone x5-6155).

And now, your assignments:

1. Linear Algebra

Isn't it nice that everyone is so conveniently located?

<i>Tymann</i>	<i>Gaborski</i>	<i>Strout</i>
<i>Kaminsky</i>	<i>Daehn</i>	<i>Heliotis</i>
<i>Bayliss</i>	<i>Homan</i>	<i>Reynolds</i>

(Kwon – Teredesai)(Howles – Raj)

2. Computer Science 1

Sorry if I mumble in class a bit, you should still be able to figure out what my code does. Remember that we assume the latest major version of the language here, and I have done my best to use standard style throughout.

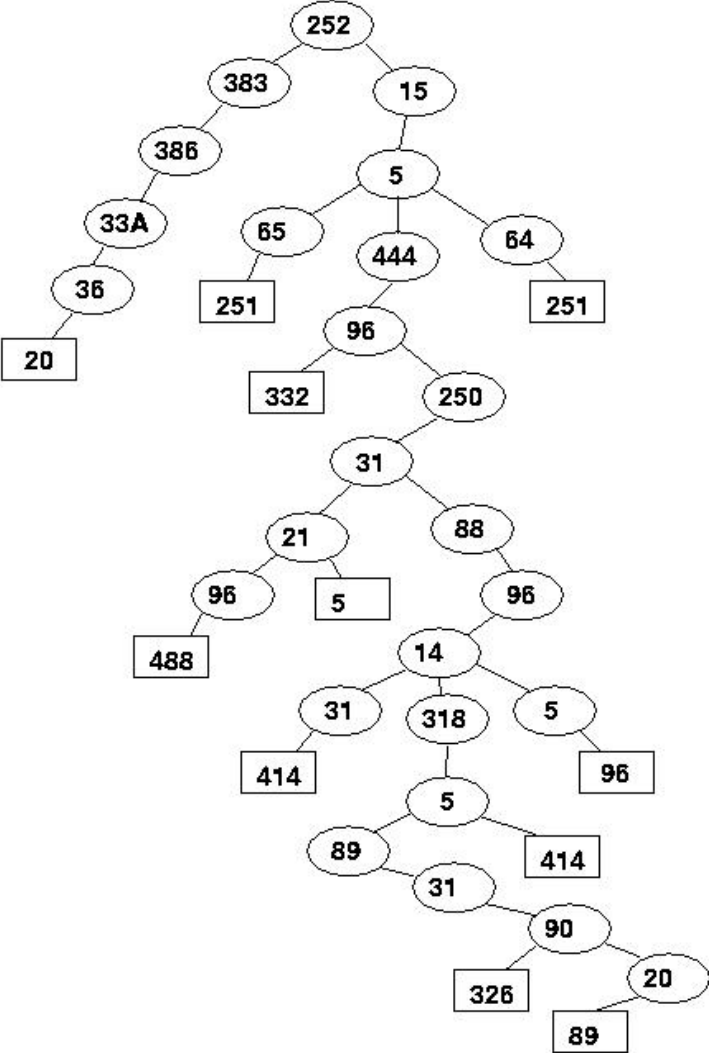
The program itself is at <http://www.cs.rit.edu/~zjb/hunt/mumble>

3. Computer Science 2

From any CS machine, `cd ~/zjb/hunters/ ; java CS2`

4. Computer Science 3

Navigate the following tree:



5. Professional Communications

Remember to be concise, and to organize your thoughts before drawing conclusions.

Article appearing only before a vowel
Boer War nation
Center of operations
Domain code local to Kowloon Bay
Extension of script files in a snake-named language
First half of a week-ending office interjection
Goran Visnjic's show
Half of MDCCC
Icelandair flight code
Johnny Hart comic strip
Kia Spectra sedan version with 16" wheels
Latin abbreviation meaning "compare to"
Metal whose alloys are measured in karats
Net ____ (food package datum)
Only U.S. state with a non-rectangular flag
Program including Circuit Theory and Electromagnetics
Q-T link
Radiation dose equivalents unit (as opposed to absorbed dose)
Shatner's Hooker
Train in Chicago
Unix file duplication command
Victor E. Bull is their mascot
Word denoting an infinitive
X followers
"You're so cute..."
Zach's character, on "Scrubs"

6. Steganography

<http://www.cs.rit.edu/~zjb/hunt/Steganography.pdf>

7. Writing

ACROSS

1. Sum of Cartesian writing?
4. Spelunker's domain
9. Quaker product
13. Snatch
15. NH2-containing compounds
17. Like influenza
19. Prefix with present or potent
20. Option
21. Nobel Peace Prize winner
22. Directions
25. Nothing
26. Type of fault, for short
27. ___ Lingus
28. East of Germany
29. Singer McEntire
30. Recede, as a tide
32. French evening
35. Printer unit
37. Lingerie item, for short
39. Related to part of the heart
41. Striped quartz
45. Phillips ___ Academy
47. More directions
49. Actor Chaney
50. Some dot-com investors
52. ___-relief
53. Cartoon chihuahua
54. More directions
59. Suckerfish
61. Positive item on a balance sheet
62. Chuckles
64. Person logged in
65. Common gym floor object
67. Cable car
68. They usually have your picture on them
69. Greek H's
72. Gibraltar, e.g.

74. First type of balanced binary tree
76. CSI network
79. Respectful term of address
80. End of directions
84. Snatch
86. Compound formed of an alcohol and an aldehyde
87. Personal radiance
88. Black and white treats
89. Small
90. Ernie's pal
91. Place to put coins
92. Button on most computer cases
93. Cry for help

24. Airport posting (abbr.)
29. Baltic capital
31. Part of a horse's tack
33. Mystical sphere
34. Fulbright Scholarship sponsors
36. Bel ___ cheese
37. Salsa star Cruz
38. Neuron components
39. Skis often make them
40. High shot
42. This puzzle has fifty of them
43. That place
44. Biathlete Ole ___ Bjoerndahlen

46. First lady played by Madonna
48. Conflicts
51. Army NCO
55. Takes up, as clothing
56. One following the same path again
57. You (Ger.)
58. Federal agency dealing with controlled substances
60. Kid's pie filling?
63. Send forth
66. General of Chinese cuisine
68. Not well
69. Canadian oil company
70. Levels, as in a stadium
71. Disney mermaid

73. Type of door?
75. Someone driving your car, perhaps
77. Pack animal
78. Performs an usher's duty
80. Party suffix
81. Honor through celebration
82. Common disease suffix
83. Something yellow in New York but black in London
85. Seneca Park attraction

DOWN

1. Factotums of Discworld
2. French fighting force
3. Groups of executives
4. Memory near a processor
5. College town in New York or Massachusetts
6. Midsize string instrument
7. Actress Falco
8. Like a pie-slice-shaped area
9. Above
10. Not feel well
11. Located 120 degrees apart, as planets
12. Subcontinental version of 79 Across
14. Two spades, e.g.
16. Tennis match components
18. Brazil's president, informally
23. Nearly defunct diet soda

1	2	3			4	5	6	7	8			9	10	11	12	
13			14		15					16		17				18
19					20							21				
22				23							24			25		
26				27				28				29				
		30	31			32	33	34			35	36				
37	38				39					40		41		42	43	44
45				46			47				48					
49				50		51				52				53		
54				55				56	57	58		59		60		
61						62					63			64		
				65		66		67				68				
69	70	71			72	73				74	75			76	77	78
79				80					81	82			83			
84				85				86					87			
88								89					90			
															93	

8. Image Understanding

For each test image below, select an appropriate image from the library so that the same operation can be performed on each.



Image library:



9. History of Computing

- Number of columns in the display of a VIC-20
- Number in the link to the unlambda program in the MIT Mystery Hunt puzzle “Use of Gothicism Considered Harmful”
- XEmacs version released in July 1998
- Chapter of K&R dealing with control flow
- Column containing continuation characters in FORTRAN-77
- Digits of precision of the London Science Museum’s difference engine
- Atomic number of the main component of the first transistor

a. 2	j. 16	s. 32
b. 3	k. 17	t. 73
c. 4	l. 20	u. 132
d. 5	m. 21	v. 180
e. 6	n. 22	w. 194
f. 8	o. 24	x. 198
g. 10	p. 25	y. 241
h. 12	q. 27	z. 20X6
i. 14	r. 31	

- Number of pins on the first Intel microprocessor
- Linus Torvalds' current age
- Predicted size of the total world computer market in a famous speech by T. J. Watson in 1943
- The weight in pounds of the Lappy 486
- Number of years since the first census to be automatically tabulated
- Number of different fonts in which "Yatta" appears in the Animutation with that parenthetical title

a. 5	j. 18	s. 42
b. 6	k. 20	t. 106
c. 7	l. 24	u. 116
d. 8	m. 30	v. 126
e. 9	n. 36	w. 136
f. 10	o. 37	x. 1880
g. 12	p. 39	y. 1940
h. 14	q. 40	z. 1950
i. 16	r. 41	

10. Networking

We performed some localized testing, and it showed some very interesting anomalies. Unfortunately the test results have been all tossed together:

```

arkansas    delaware   greyjoy    prefect    fergus
beatles     dione      idaho      wingnut    oedipus
beebledrox  doors      illinois   wrench     uranium
boober      drifters   maine      xenon      red
buddy       elvis      medusa     tyrell     thrashbarge
centaur     gallium    perseus    arizona    heracles
cerberus    georgia    philo      kinks
chlorine    gobo       platters   everlys

```

11. Cryptography

Perform the specified operation:

PBAIREG GUR AHZORE FVK AVAR GJB GUERR SVIR FVK RVTUG

GJB FRIRA RVTUG (ONFR GRA) GB ONFR GJRAGL-FVK.

12. Restaurant Management

We don't usually get big groups paying together here, but it can happen! Don't forget to round the tax to the nearest penny.

- | | | | |
|---|------------------------------|---|----------------------------|
| 2 | Hummus Wraps | | |
| 2 | Philly Style Pizzas | | |
| 1 | Buffalo Panini | 1 | Classic Chicken Wrap |
| 3 | bottles unsweetened iced tea | 2 | White Pizzas |
| 3 | bottles Mountain Dew | 6 | bottles Pepsi |
| | | 5 | bottles Sobe Nirvana |
| 3 | Cheese Quesadillas | | |
| 3 | Chicken Club Wraps | 1 | Veggie Ranch Wrap |
| 3 | bottles Sierra Mist | 3 | Classic BLT Wraps |
| 2 | bottles Green tea with honey | 4 | bottles Pepsi |
| | | 2 | bottles Raspberry iced tea |
| | | 2 | bottles Sobe Tsunami |
| 2 | Chicken Fajita Quesadillas | | |
| 2 | Texas Beef Wraps | | |
| 3 | Swiss Salad Wraps | 3 | Tripoli Cheese Pizzas |
| 4 | bottles Iced tea with lemon | 1 | Perfecto Pepperoni Pizza |
| | | 2 | bottles Pepsi |
| | | 4 | bottles Diet Pepsi |
| 3 | Chili Bowls | 3 | bottles orange juice |
| 2 | Perfecto Pepperoni Pizzas | 2 | bottles Sobe Lava |
| 3 | bottles Unsweetened iced tea | | |
| 2 | bottles Sobe Power | | |

Capstone Project

