

CSE 433 :: Term Test # 02

1. Complete the crossword puzzle through constraint satisfaction mechanism. Given the list of words: AT, ETA, BE, HAT, HE, HER, IT, HI, ON ,ONE, DESK, DANCE, USAGE, EASY, DOVE, FIRST, ELSE, LOSES, FUELS, HELP, HASTE, KIND, SOON, SOUND, THIS, THINK.
- 10

The numbers 1, 2, 3, 4, 5, 6 in the crossword puzzle correspond to the words that will start at those locations.

	1	2		
	3			
4			5	
	6			

2. Assume the following axioms facts:

i. X is a boy.

ii. X only likes junk food.

iii. Vegetables are healthy food.

iv. All the food in the shop is junk.

v. Burger is a junk food.
- 5

Use resolution to answer the question, “What food would X like?”

CSE 433 :: Term Test # 02

1. Using constraint satisfaction procedure, solve the following crypt-arithmetic problem. Assign each unique letter a unique digit from 0 to 9.
- 10

ONLY

+CSE

REAL

2. Assume the following axioms facts:

1. X is a boy.

2. X likes Comedy movies.

3. X doesn't watch action movies.

4. X watched a movie last week.

5. The name of the movie X watched is Y.
- 5

Use resolution to prove the fact, “Y is a comedy movie.”

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	1	2		
	3			
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2. Assume the following axioms facts:

1. X is a student.

2. X studies in CSE department.

3. X has passed HSC in the year 2013.

4. Passing year is session.

5. The students of 2013 session of CSE department are awesome.
- 5

Use resolution to prove the statement, “X is awesome.”

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2. Assume the following axioms facts:

1. X is a student.

2. X likes interesting classes.

3. X doesn't attend boring classes.

4. AI classes were boring.

5. Attended means present.
- 5

Use resolution to answer the question, “Was X present in AI classes?”

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The numbers 1, 2, 3, 4, 5, 6, 7 in the crossword puzzle correspond to the words that will start at those locations.

1	2	3		
4				
5			6	
		7		

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ONLY

+CSE

ROCK

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