1. H:\Desktop\CSC421\A2\games\_post>java GameNim

Enter your \*valid\* moves: > 4

Number of coins left: > 12

Human:

, , , X,

, , , ,

, , , ,

, , , ,

Number of coins left: > 10

Computer:

, O, O, X,

, , , ,

, , , ,

, , , ,

Enter your \*valid\* moves: > 8

Number of coins left: > 9

Human:

, O, O, X,

, , , X,

, , , ,

, , , ,

Number of coins left: > 7

Computer:

, O, O, X,

O, O, , X,

, , , ,

, , , ,

Enter your \*valid\* moves: > 13

Number of coins left: > 6

Human:

, O, O, X,

O, O, , X,

, , , ,

X, , , ,

Number of coins left: > 4

Computer:

, O, O, X,

O, O, O, X,

O, , , ,

X, , , ,

Enter your \*valid\* moves: > 12

Number of coins left: > 3

Human:

, O, O, X,

O, O, O, X,

O, , , X,

X, , , ,

Number of coins left: > 1

Computer:

, O, O, X,

O, O, O, X,

O, O, O, X,

X, , , ,

Computer wins!

2.

variables: { CSC110, CSC115, …..CSC421,….}

Domain:

{term, termSlot, timeSlot}

…

}

Constraints:

Assume X and Y are variables (courses), and X is assigned to and Y is assigned to

1. Course might have prerequisite courses that need to be taken before.

We assume that X is prerequisite course for course Y, then:

1. Some courses are offered in certain terms only

Let assume A is a list of courses is offered, we can check,

1. We want to take not more than 4 courses per term
2. Time conflict should be avoided,

Q3.

{Blue=2, Chesterfield=2, Coffee=4, Dog=5, Englishman=3, Fox=1, Green=4, Horse=2, Ivory=5, Japanese=4, Kools=1, Lucky-Strike=5, Milk=3, Norwegian=1, Old-Gold=3, Orange Juice=5, Parliament=4, Red=3, Snail=3, Spaniard=5, Tea=2, Ukrainian=2, Water=1, Yellow=1, Zebra=4}