

CS2223: Algorithms Homework 1

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Q1) The original name of the game is Nim and it was solved by Herbert Koppel, Eugene Grant and Howard Bailer in 1952. The game appears in various pop culture, it generally played with matchsticks in various mind-tricking reality shows and it was the subject of Martin Gardner's Mathematical games column in scientific American. A version of Nim is played—and has symbolic importance—in the French New Wave film *Last Year at Marienbad* (1961).

Q2) See code for just problem 2 in “Algorithms-HW1 (Problem 2).zip”.

Q3) See function “int *winCPU(int board[3])” in main.cpp.

Q4) See main.cpp and hw1.exe. See READ_ME.txt for instructions on command line arguments for hw1.exe.