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CPTS 223

HW5

A: problem statement

This program is designed to test the student’s ability to use array. Especially, this assignment requires the student to create a digital board. The main goal of this assignment is to illustrate board that is invisible.

B: Set up

Machine: Samsang laptop

Ram: 8GB, 64bit,

CPU: i5-3230M 2.6GHz

OS: Window 10

compiled by visual studio

number of trial for each size: 10

C: Algorithm design

Each space of the board points toward the player’s existence. If a player sit on the space, then the space become occupied space and at the same time, the player’s existence is established while the space points toward the player’s existence. When the player is moved or removed, then the space points toward emptiness so the board shows that there is no player on the space. Pointer and vector array were used.