CODING CHALLENGE

THE GAME OF LIFE

INTRODUCTION

Tim Gray – Sr Technical Trainer

- 30 years in the AV and automation Industry
- Programming for 40 years
- Teaching Programmers for 8 years
- Masters Instructor for 5 years

CRESTRON

CONWAYS GAME OF LIFE

CRESTRON

WHAT YOU NEED

https://github.com/CTI-Tim/GameOfLifeChallenge2025

VC4 server Instance

Write it in Simpl, S+, C#

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HOW MUCH TIME?

You have 1 hour to attempt the challenge.

Prizes!

First and Second place

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IMPORTANT INFO

VC4 Server Network:

Wifi : Crestron CTI

Pass: Crestron2025

Network IP Range is: 10.168.18.XXX

No Internet on the VC4 Network

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OVERVIEW

Invented by John Horton Conway
In 1970

This is a zero player game meaning that it's evolution is determined by it's initial state.

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RULES OF THE GAME

1. Living cell with less than 2 neighbors dies
2. Living cell with exactly 2 or 3 neighbors stays alive
3. Living cell with more than 3 neighbors dies
4. Dead/Empty cell with exactly 3 neighbors becomes a live cell

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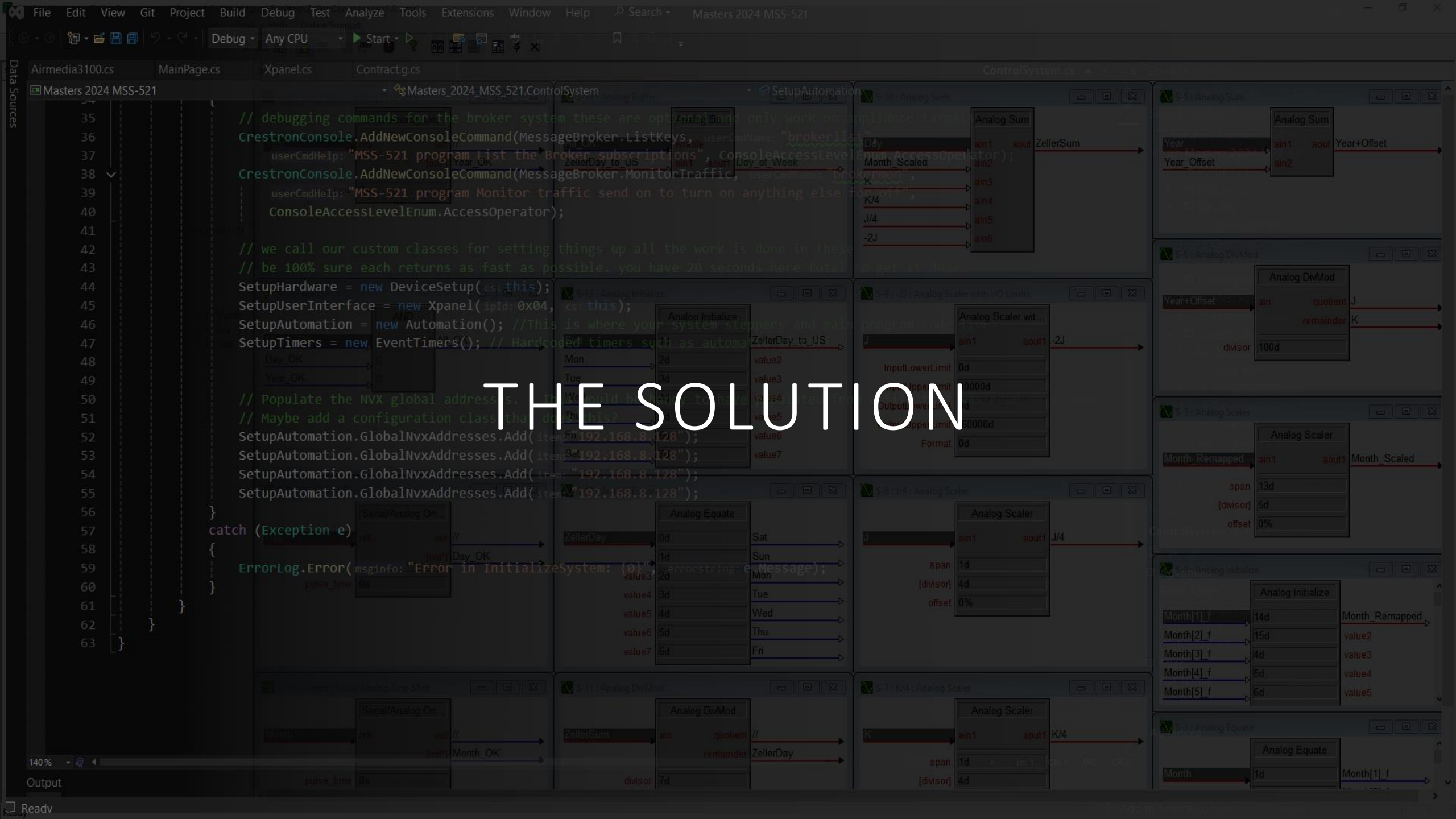
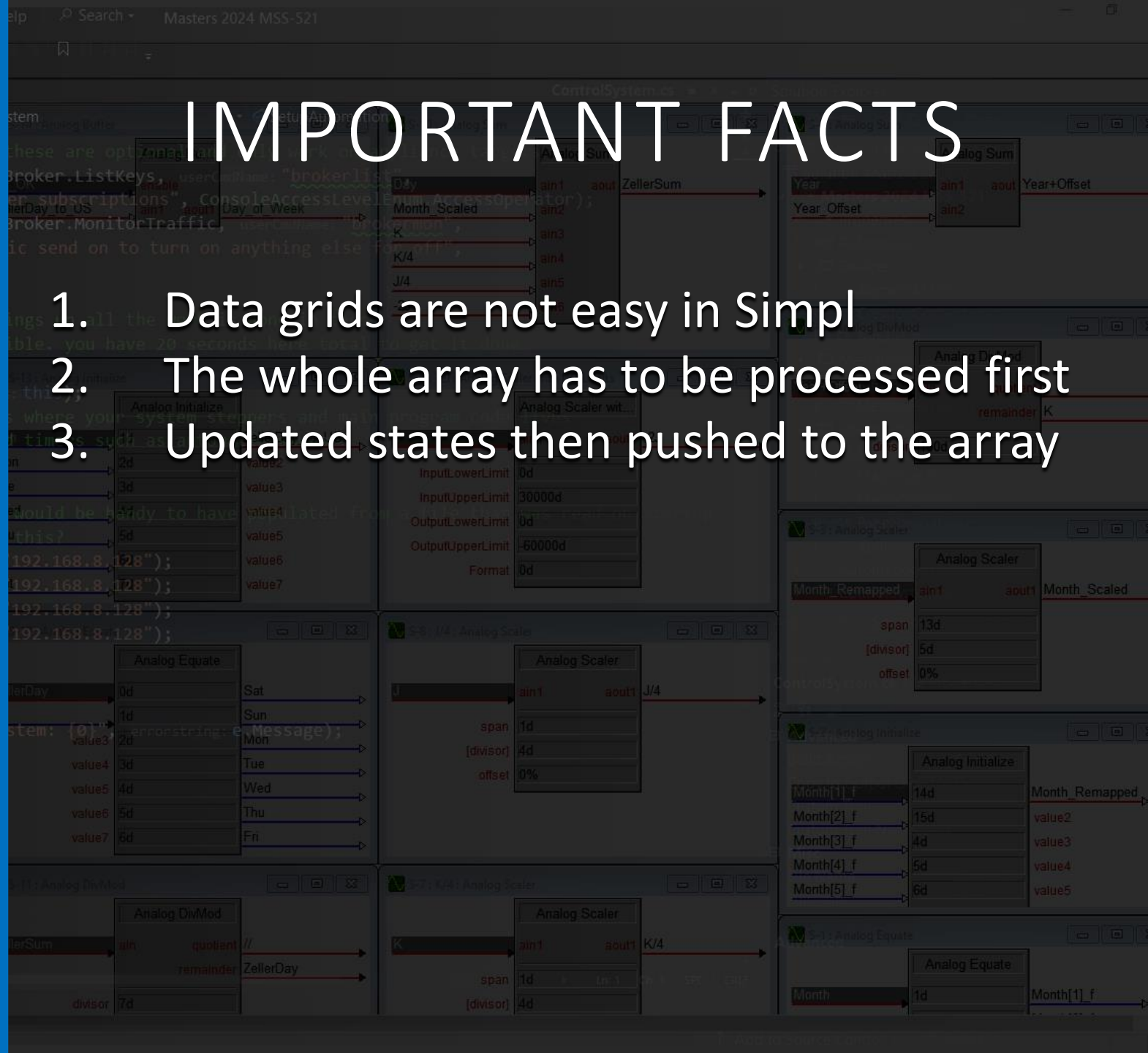
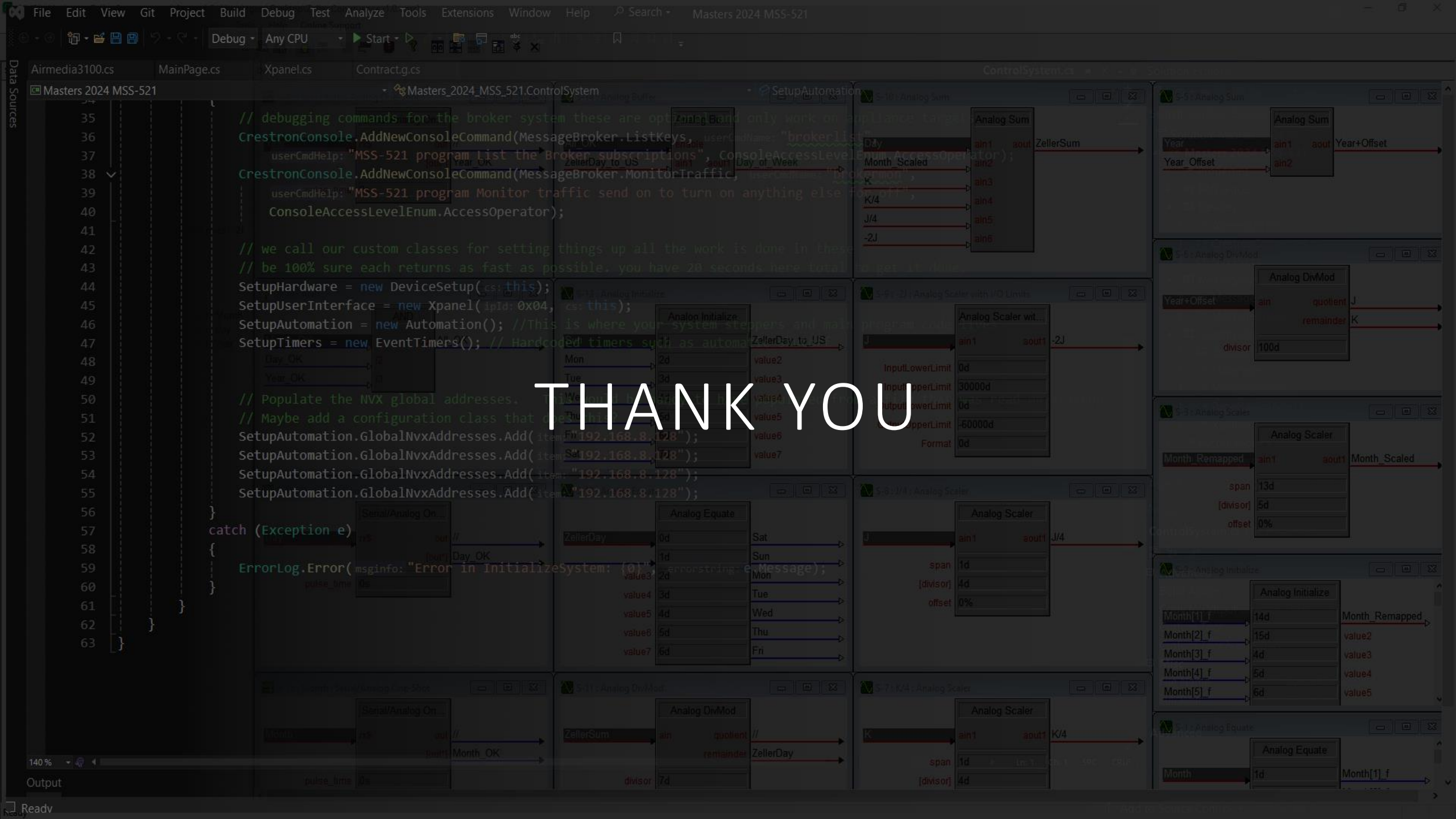
QUESTIONS?


THE SOLUTION

IMPORTANT FACTS

1. Data grids are not easy in Simpl
2. The whole array has to be processed first
3. Updated states then pushed to the array




THANK YOU