Panel 1

Changes to Speed for HW:

- op-code, REQUEST = 10
  - Answer = 20
  - Add = 11
  - Subtract = 12

must be in 1st byte

of Dyalogm packet

Client/Server need to send/receive on different ports

Server sends on 1235
Server listens on 1234

Panel 2

About encoding:

-128, -128, -128
-128, -128, -100

0 0 2

0 0 10 001100

16 int 2
16 int: 256 + 28 = 284

52 16 8 4 2
1 1 1 0 0
Panel 3

Methods:

- `String intToBits(int i)`
  - **Pre:** `0 <= i < 2^{32}-1`
  - **Use recursion**

- `int bitsToInt(String s)`
  - **Pre:** `s.length() <= 24`
  - Easy, simple loop

- `byte[] intToBytes(int i)`

- `int bytesToInt(byte[] bytes)`

Note: `intToBits(3)` = 11 needs padding

- `String intToNBits(int i, int N)`
  - return N bits

\[010101\]  

One Monday!!!