Soundweb London

Soundweb London

Interface Kit

Revision 2.6 November 2012

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Soundweb London™

Introduction

Soundweb London™

This document is intended for Soundweb London users who wish to provide their own user interface or control system for a Soundweb London system. The user interface can be based on a PC running a custom application, a show controller or even a custom piece of hardware.

The Direct Inject message
This interface protocol builds on the flexibility of the **RAW_MSG** extension protocol which was introduced with Soundweb Original and gives almost complete control of a Soundweb London network via RS232 and Ethernet.

Hardware

PC to Soundweb London via RS232

- 3-wire Null modem cable.

PC to Soundweb London via Ethernet

- Standard Soundweb London Ethernet network.

Null modem cable

DB9F - PC	DB9F – Soundweb London
TX pin 3	RX pin 2
RX pin 2	TX pin 3
GND pin 5	GND pin 5

Direct Inject Messaging protocol

Serial

- Always use 8-bit data with no parity.
- Bit rate 115200 bps default (adjustable in London Architect software)
- No flow control

Ethernet

- TCP port 1023

The following bytes have special meanings:

- 0x02 **STX**
- 0x03 **ETX**
- 0x06 **ACK**
- 0x15 **NAK**
- 0x1B **Escape**
- Any other single byte can be used within a message body

To use one of the special bytes within a message body, do the following:

- 0x02 - substitute with 0x1B 0x82
- 0x03 - substitute with 0x1B 0x83
- 0x06 - substitute with 0x1B 0x86
- 0x15 - substitute with 0x1B 0x95
- 0x1B - substitute with 0x1B 0x9B

Please note that these substitutions should be performed on the message ***after*** the checksum has been calculated and appended, as the checksum itself may be a special reserved byte and need substituting.

The following bytes are command bytes to appear at the beginning of a message after **STX**.

0x88	**DI_SETSV**	Direct inject message, set state variable.
0x89	**DI_SUBSCRIBESV**	Direct inject message, subscribe to state variable.
0x8A	**DI_UNSUBSCRIBESV**	Direct inject message, unsubscribe from state variable.
0x8B	**DI_VENUE_PRESET_RECALL**	Direct inject message, recall a Venue Preset
0x8C	**DI_PARAM_PRESET_RECALL**	Direct inject message, recall a Parameter Preset.
0x8D	**DI_SETSVPERCENT**	Direct inject message, set state variable by percentage.
0x8E	**DI_SUBSCRIBESVPERCENT**	Direct inject message, subscribe to state variable as a percentage.
0x8F	**DI_UNSUBSCRIBESVPERCENT**	Direct inject message, unsubscribe from state variable as a percentage.
0x90	**DI_BUMPSVPERCENT**	Direct inject message, bump the SV by the given signed percentage. + = up, - = down.

Message Format

<***message***> = <***STX***> <***body***> <***checksum byte***> <***ETX***>

<***checksum byte***> is the exclusive OR of all the bytes in <***body***>, before substitution.

Note: If the checksum is one of the special characters it must be substituted in the same way as bytes in the body of the message.

Message Body Format

This is one of the following:

<***Body***> =

<DI_SETSV> <node> <virtual_device> <object> <state_variable> <data>

<DI_SUBSCRIBESV> <node> <virtual_device> <object> <state_variable> <rate>

<DI_UNSUBSCRIBESV> <node> <virtual_device> <object> <state_variable> <0>

<DI_VENUE_PRESET_RECALL> <data>

<DI_PARAM_PRESET_RECALL> <data>

<DI_SETSVPERCENT> <node> <virtual_device> <object> <state_variable> <percentage>

<DI_SUBSCRIBESVPERCENT> <node> <virtual_device> <object> <state_variable> <rate>

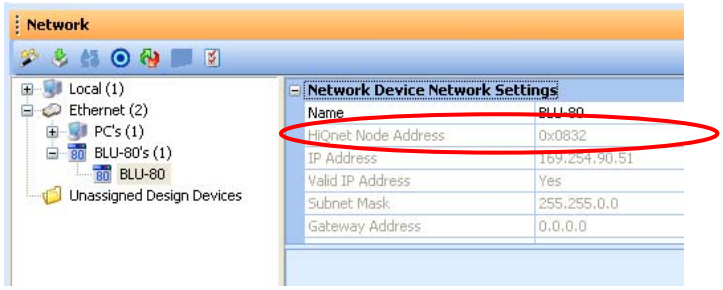
<DI_UNSUBSCRIBESVPERCENT> <node> <virtual_device> <object> <state_variable> <0>

<DI_BUMPSVPERCENT> <node> <virtual_device> <object> <state_variable> <+/-percentage>

Where data fields are defined as follows:

<node> 16-bit word. This is the node address of the London Unit. If the unit you wish to control is the one that you are directly connected to with a serial cable, then this is zero.

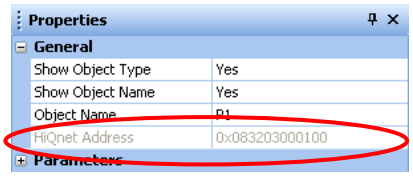
If you wish to control another unit via this cable but which is across the Ethernet network, then this needs to be the *HiQnet Node Address* as seen in the network window in London Architect for the unit in question.



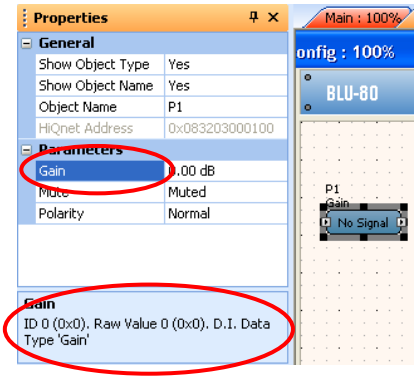
<virtual_device> One Byte. For all controls on audio processing objects, this is 0x03.

<object> 24-bit word. This is particular to an object placed in the configuration window. It can be discovered from the full HiQnet address which is obtained by clicking on the object in the configuration window and viewing the properties. The address is made up from: **0xnnnnvvbbbbbb.** Where **nnnn** is the node address, **vv** is the virtual device number and **bbbbbb** is the object address.

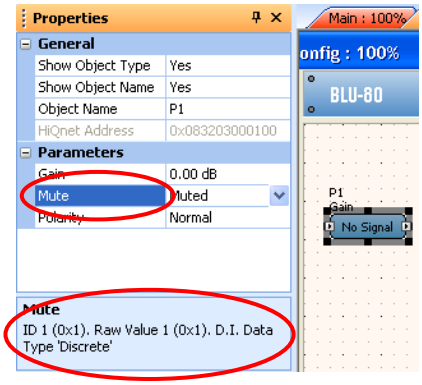
In this example, 0x083203000100, the object address is 000100



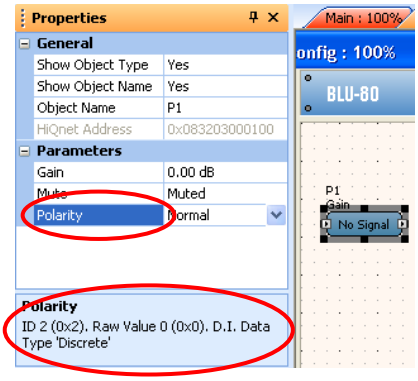
<state_variable> 16-bit word. Each object has a number of state variables which refer to each of the controllable parameters within an object. For example, a gain object has three state variables:



Gain: ID 0



Mute: ID 1



Polarity: ID 2

<data> 32-bit word. The data is encoded according to the type of state variable being controlled. See Appendix A for all encoding types.

<percentage> 32-bit word. The value of the control as a percentage (i.e. 0 to 100) multiplied by 65536. Actual range of values for SetSVPercent is 0 to 6553600. For BumpSVPercent, the range of values is -6553600 to 6553600.

The percentage is multiplied by 65536 to allow for fractions of a percent.

Protocol details

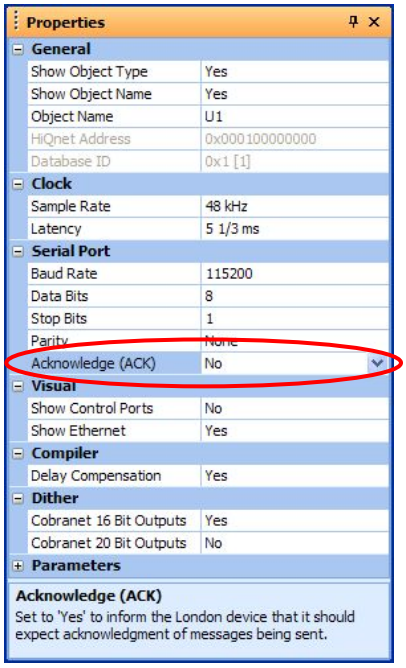
When a message is received successfully, an **ACK** is returned. This should be done within one second of receiving the **ETX**.

When a message is received unsuccessfully, determined by the checksum being incorrect or the frame incorrectly formed with start and end characters, a **NAK** is returned. This should be done within one second of receiving the **ETX** (or the last character received).

If an **ACK** or **NAK** is not received within 1 second of sending a message, then the message should be re-sent.

Note: The ACK/NAK mechanism is not used for Ethernet messages as TCP provides it automatically.

The Acknowledge mechanism is configurable for Soundweb London devices in one direction only. In the property sheet for a device, visible by clicking on the device in the main layout window, go to the Serial port section.



Soundweb London will always respond with an **ACK** or **NAK** when it receives a string. The setting here is to control whether or not Soundweb London should expect to receive an **ACK** or **NAK** after transmitting a string. Incorrect set up of this feature can result in a non-functional system, please see the FAQ at the end of this document.

Implementing the Direct Inject message protocol on other equipment

It is quite possible for other equipment to talk to a Soundweb London device using the Direct Inject message protocol. It is simply a matter of implementing the protocol on the chosen platform.

Sending a message

The following pseudo code sends a message by putting in escape characters, checksum, **STX** and **ETX**.

```
SEND (STX)
CHAR CHECKSUM = 0
FOR EACH CHARACTER IN MESSAGE BODY
{
        CHECKSUM = CHECKSUM XOR CHARACTER
        IF (IS_SPECIAL (CHARACTER))
        {
                SEND (ESCAPE)
                SEND (CHARACTER + 128)
        }
        ELSE
        {
                SEND (CHARACTER)
        }
}
IF (IS_SPECIAL (CHECKSUM))
{
        SEND (ESCAPE)
        SEND (CHECKSUM + 128)
}
ELSE
{
        SEND (CHECKSUM)
}
SEND (ETX)
/* NOW WAIT FOR AN ACK OR NAK */
```

Receiving a message

The following pseudo code receives a message, takes out escape characters and makes sure the message is valid by looking at the checksum.

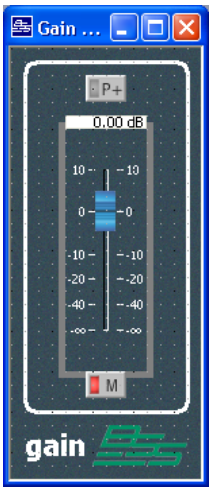
```
BOOL GOT_ESCAPE                         /* TELLS US THAT THE PREVIOUS CHARACTER WAS ESCAPE*/
CHAR CHECKSUM = 0
ON RECEIVED CHARACTER
{
        IF (CHARACTER = STX)
        {
                CHECKSUM = 0            /* START OF MESSAGE */
                CLEAR_MESSAGE_BUFFER()  /* CLEAR THE MESSAGE BUFFER */
                GOT_ESCAPE = FALSE
        }
        ELSE IF (CHARACTER = ETX)       /* END OF MESSAGE, CHECK THE CHECKSUM */
        {
                IF (GET_LAST_BYTE_IN_MESSAGE_BUFFER() = CHECKSUM)
                {
                        SEND (ACK)      /* THE MESSAGE IS OK */
                }
                ELSE
                {
                        SEND (NAK)
                }
                GOT_ESCAPE = FALSE
        }
        ELSE IF (CHARACTER = ESCAPE)
        {
                GOT_ESCAPE = TRUE
        }
        ELSE
        {
                IF (GOT_ESCAPE = TRUE)
                {
                        ADD_BYTE_TO_MESSAGE_BUFFER (CHARACTER - 128)
                        CHECKSUM = CHECKSUM XOR (CHARACTER - 128)

                }
                ELSE
                {
                        ADD_BYTE_TO_MESSAGE_BUFFER (CHARACTER)
                        CHECKSUM = CHECKSUM XOR CHARACTER
                }
                GOT_ESCAPE = FALSE
        }
}
```

Step-by-step guide

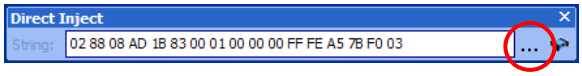
There are two methods of generating message strings to be sent from your 3rd party controller to Soundweb London devices.

If a small number of fixed serial messages are required for your 3rd party controller, then the Direct Inject toolbar provided in London Architect is more than adequate for this purpose. Simply select the control that you wish to control via DI message and copy the contents from the edit field on the toolbar.
For example, to set the gain of this gain object to 0dB:



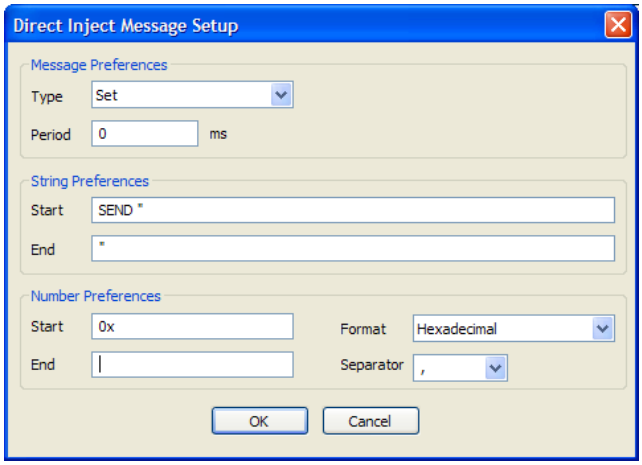
For messages to appear in the toolbar, you either need to be in design mode, or soft-operate mode (hold down ALT, then move the control).

Copy the text string from the Serial tool bar shown below.



Press the ellipsis to open the Message setup dialog. The toolbar can be configured to provide many different serial string formats, in decimal and hex, with surrounding keywords if required.

For example, if your controller requires a function *SEND* , followed by a list of bytes in quotes, then the toolbar should be configured as follows:



The above example generates:

```
SEND "0x02, 0x88, 0x01, 0x0F, 0x1B, 0x83, 0x00, 0x01, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00, 0x00, 0x84, 0x03"
```

The alternative and more detailed method of generating message strings is by using the DI message tool which is described on the "Using The London Direct Inject Message Tool" page.

Types of messages

There are seven types of messages which can be sent to a Soundweb London device.

SET

This is used to send control settings into the unit, or any unit on the network.

SUBSCRIBE

This message is used to configure the unit to send out control changes to your controlling PC or show controller either when they change, or in the case of meters, periodically at the rate you specify in the Period box. The granularity of this period is 50ms, i.e. settings may be 50 = 20 times a second, 100 = 10 times a second and so on.

After issuing this message, you will receive SET messages in the same format as used to send to the unit. In this instance, the parameters refer to the originating object, so the node is that which the message came from, i.e. not necessarily the one you are directly connected to with the serial cable.

UNSUBSCRIBE

This message performs the reverse of subscribe and removes a subscription so that change or periodic messages will cease.

Percentage control

SET%

This is used to send control settings into the unit, or any unit on the network. When the unit receives a percentage, it maps the value onto the parameter that you are controlling. You may think of this as a visual scaling, e.g. if the control is a fader or a rotary, then 50% will be half way of the travel of the control.

SUBSCRIBE%

This message is used to configure the unit to send out control changes to your controlling PC or show controller either when they change, or in the case of meters, periodically at the rate you specify in the Period box. The granularity of this period is 50ms, i.e. settings may be 50 = 20 times a second, 100 = 10 times a second and so on.

After issuing this message, you will receive SET% messages in the same format as used to send to the unit. In this instance, the parameters refer to the originating object, so the node is that which the message came from, i.e. not necessarily the one you are directly connected to with the serial cable.

UNSUBSCRIBE%

This message performs the reverse of subscribe and removes a subscription so that change or periodic messages will cease.

BUMP%

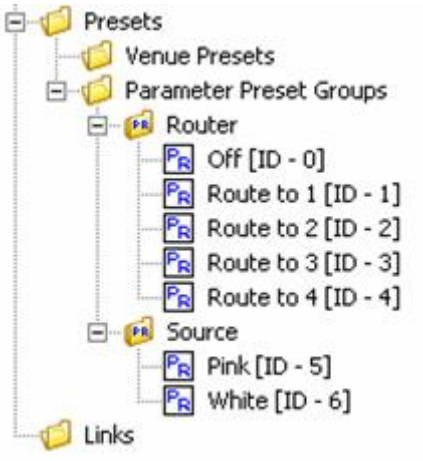
This message is used to increase or decrease the value of the state variable by the given signed percentage. + = up, - = down.

Activating Presets

Venue and parameter preset recall messages are broadcast messages and therefore do not require a node address.

Units are configured whether to respond to a preset, the data field in the message is a unique identifier which is simply its index in the unit's list of presets.

To find the ID of a preset, go to the design tree:



The preset IDs are shown in square brackets and are fixed once created. This means that if you were to delete the preset state 'Pink', all remaining presets will maintain the same IDs including 'White' which will still have ID 6.

Venue presets are numbered in exactly the same way.

Debugging

A good way of debugging a system is to be online to the London unit with London Architect and to run the Direct Inject message tool connected to the serial port of the unit.

With both London Architect and the London Direct Inject application open, messages can be tested in both directions; sending from the unit by adjusting a control in London Architect and by sending from the message tool.

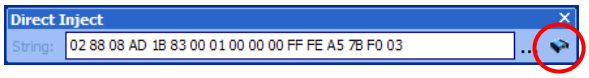
Messages sent from London Architect will appear in the incoming box and serve as examples of message construction for sending from your piece of equipment, since they will be the same.

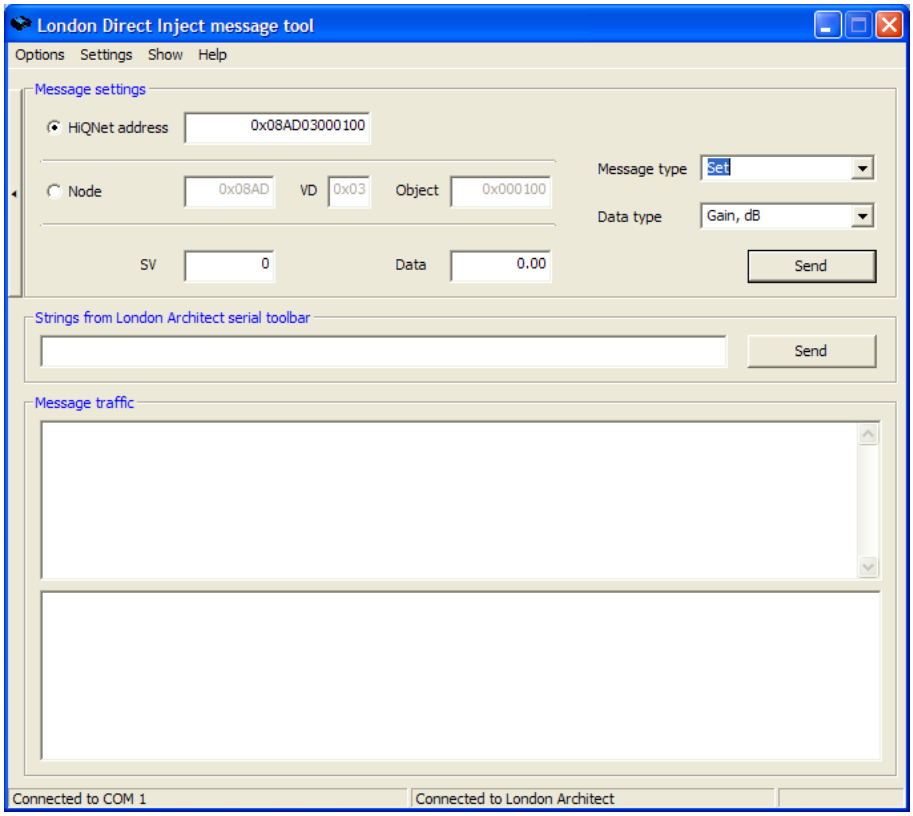
Remember, start simple with perhaps just a couple of mute buttons to establish you have everything cabled correctly and each unit configured correctly.

Using the London Direct Inject message tool

The intention of this tool is for testing and debugging. It can be used to generate strings in a similar way to London Architect, but will allow you to send messages over a serial connection and over Ethernet and also provides testing for subscription.

Launch the DI message tool by clicking on the DI box button on the message toolbar.





Menus

Options

Show

Incoming bytes
This option controls whether the received bytes are shown in hex. This is useful for debugging serial trigger objects.

Incoming ACKs
This option controls whether ACKs are shown in the received message traffic window. The word ACK is shown in the window when an 0x06 byte is received back from the device. If you have incoming bytes also switched on, you will see ACK 0x06.

Incoming messages, Outgoing messages
These two options control whether the sent and received messages are shown in the message traffic windows. They default to on which is the most useful. Consider switching them off if you have lots of traffic, e.g. many subscriptions, to improve performance of the graphical meters in the meter window (described below).
A double-click in either of the message traffic windows will clear them.

Acknowledge messages
This option controls whether the Acknowledge character is sent in response to received messages. It defaults to ON.

Log

Control ports
This is a useful debug feature if you need to closely inspect the control ports on a device, perhaps tracking down interference. When used in conjunction with the control port subscriptions in the toolbox window, it will write real-time control port values to a file called “cplog.txt” in the directory that the application was launched from (usually "C:\Program Files\Harman Pro\London Architect\”). It is a comma separated value file, as shown:

```
port:  0, 001,
port:  0, 255,
```

Auto-track London Architect object
This option connects London Architect to the DI message tool so that the details of the currently selected State variable are copied across to assist in simple testing. See full description in the following pages.

Auto-track London Architect message toolbar
Similar to tracking the selected object, this option copies the message string from the London Architect message toolbar in the DI message tool so that it can be sent to a device on the selected communications port.

Settings

Comms
This option launches the communications setup dialog.

Show

Toolbox
Show the toolbox window.

Meters
Show the meters window.

Network window
Show the network window (when using Ethernet). There is also a button to show the network window, on the left hand side of the main window.

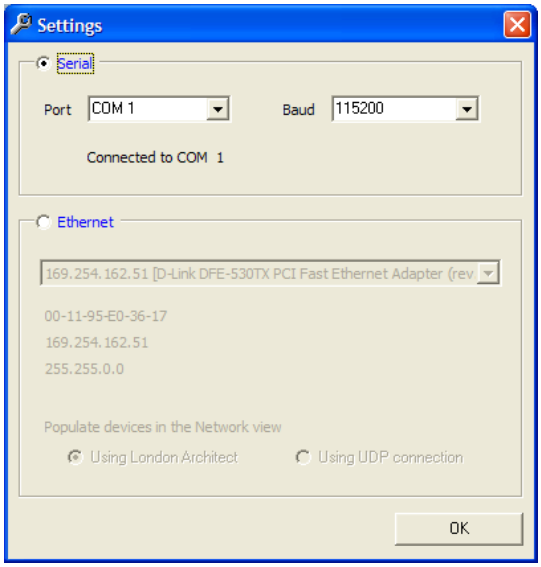
Help

About
Show the about box, with version information.

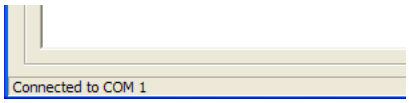
Getting started

Choose your communication method from the Settings-Comms dialog.

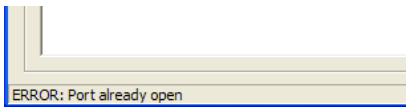
- Serial requires you to choose a valid COM port and baud rate. 20 comm. ports are provided to allow for serial servers such as the Moxa multi-port server.
  The baud rate can be set for each device in the property sheet in London Architect when you click on the device in the Main design window. Make sure the baud rate you select in the DI Message tool matches that of the device you wish to communicate with.
  Note that London Architect can occupy serial ports if selected to do so in the Application preferences-Serial tab. Uncheck these and restart Architect if you don’t want Architect to talk to FDS devices on the PC Comm port you need for DI messages.
  You will need a 3-wire null-modem serial lead to the back of the unit. More wires are fine, but they are not used.



After selecting the correct settings, the status bar of the main application window will indicate whether opening the port was successful or it will show an error.

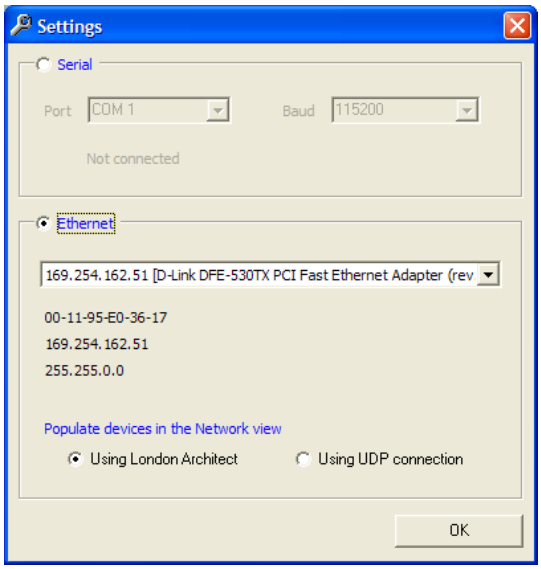


Successfully connected to the serial port on COM1.



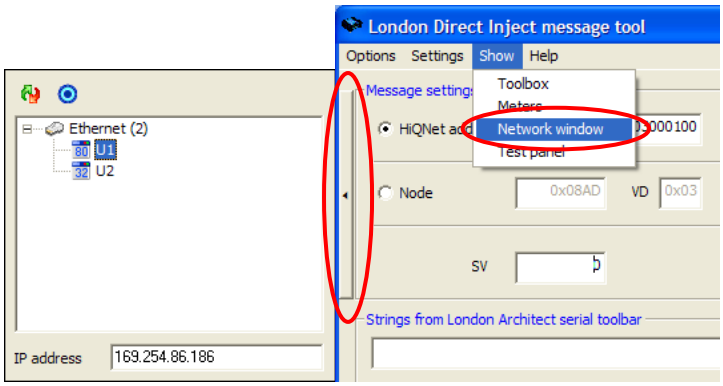
Another application is using the serial port, choose another or close the other application.

- Ethernet is a little more involved. Select the Ethernet option, then choose a network adapter for the DI message tool to use. To aid sending messages to units, we have provided two methods of viewing the devices on the network and therefore retrieving their IP addresses.



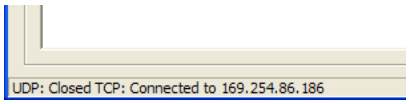
When you are running London Architect at the same time as the DI message tool, the Ethernet port for device discovery (3804) is in use by Architect, so we provide a list of devices directly from Architect. If you are using the DI message tool on its own, then it can discover the devices on the network on its own, via a UDP connection.

The network view pops out the side of the main dialog by choosing “Network window” on the Show menu or by pressing the thin button on the left of the Message settings section of the main dialog.



When this view is populated with units, you will see their name and device type as an icon. As you click on a unit in this tree view, the application will attempt to make a TCP connection to the unit on port 1023 (the DI message port).
The status of this connection is shown in the status bar of the main dialog.

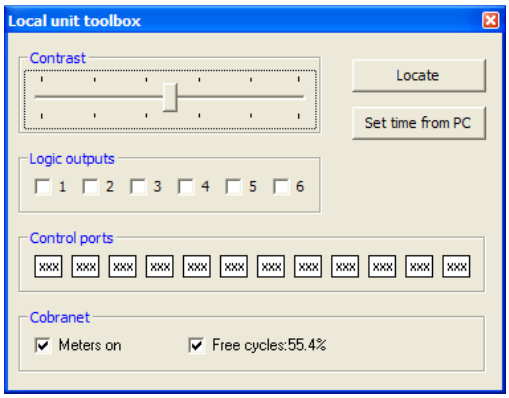
If successful, you can press the locate button in this pop-out view to verify the connection. This will flash the locate button on front and rear of the unit.



Successfully connected to a unit on Ethernet with a remote IP address of 169.254.86.186.

Toolbox

The Direct Inject message tool provides a useful toolbox for sanity checking.
Open this small dialog by clicking on the Show menu, then Toolbox. To very simply check you are connected to the unit correctly and at the right baud rate, press the Locate button on this toolbox dialog. The unit will flash its locate button on the front and rear of the unit.



The following controls are for simple test and debugging. They are not intended to be used for a live system – the supported methods of control are in London Architect where there are duplicate controls on the device control panel. Use these at your own risk.

Contrast

Slide this control to adjust the display contrast on the device.

Logic outputs

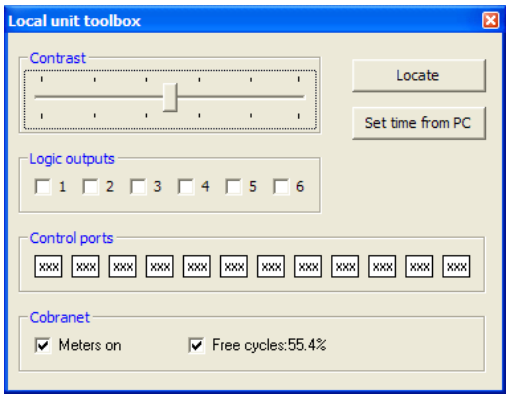
The logic outputs on the Soundweb London Device can be directly set from these controls.

Control ports
These controls allow subscription directly to the control port value. Click on each of the edit boxes to subscribe. When subscription messages are sent back from the device, the value is shown in the box for that control port. Click again to toggle the subscription off. Use this in conjunction with the option to log control port values if required.

CobraNet
Meters on is a control to globally switch the audio bundle meters on an off on the CobraNet card. When the Free cycles option is checked, a subscription message is sent to the Free cycle meter state variable. This will show a percentage of free processing cycles that the CobraNet card has. These two controls give a very quick method of determining the amount of processing cycles spent on meters.

Set time from PC
Press to set the time on the Soundweb London device. This is a simple test function, and does not take account of daylight saving adjustments on your local PC.

GPX/GPZ Toolbox
Open this small dialog by clicking on the Show menu, then GPX/GPZ Toolbox. To very simply check you are connected to the unit correctly and at the right baud rate, press the Locate button on this toolbox dialog. The unit will flash its locate button on the front and rear of the unit.



The following controls are for simple test and debugging. They are not intended to be used for a live system – the supported methods of control are in London Architect where there are duplicate controls on the device control panel. Use these at your own risk.

Contrast
Slide this control to adjust the display contrast on the device.

Logic outputs
The logic outputs on the Soundweb London Device can be directly set from these controls.

Control ports
These controls allow subscription directly to the control port value. Click on each of the edit boxes to subscribe. When subscription messages are sent back from the device, the value is shown in the box for that control port. Click again to toggle the subscription off. Use this in conjunction with the option to log control port values if required.

CobraNet
Meters on is a control to globally switch the audio bundle meters on an off on the CobraNet card. When the Free cycles option is checked, a subscription message is sent to the Free cycle meter state variable. This will show a percentage of free processing cycles that the CobraNet card has. These two controls give a very quick method of determining the amount of processing cycles spent on meters.

Set time from PC

Press to set the time on the Soundweb London device. This is a simple test function, and does not take account of daylight saving adjustments on your local PC.

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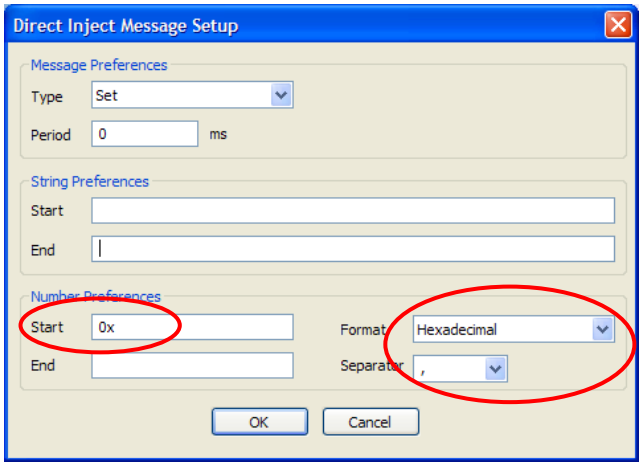
Direct Inject message strings from London Architect

Strings generated by the Direct Inject message tool bar in London Architect can be sent from the DI Message tool to test your setup. They can be generated in decimal or “0x”-prefixed hex and with either spaces or commas. We recommend hex. To make use of this facility, configure the toolbar as follows:

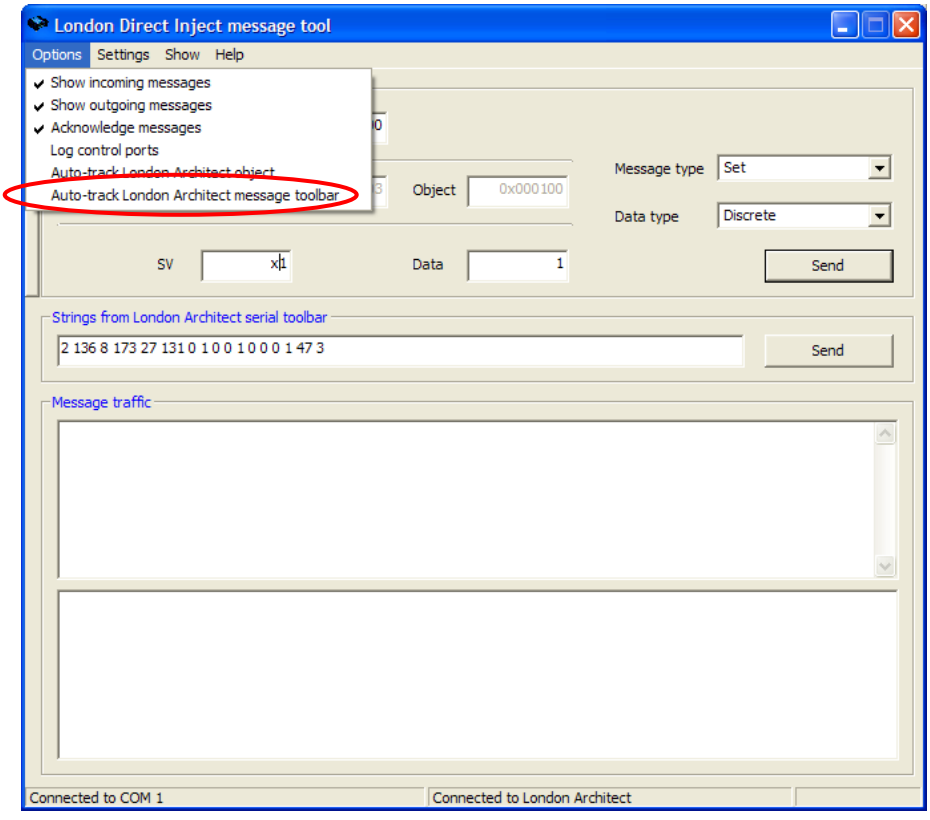


Example strings are therefore:

Decimal: 2 136 8 173 27 131 0 0 17 0 0 0 0 0 0 63 3
2,136,8,173,27,131,0,0,17,0,0,0,0,0,0,63,3
Hex: 0x02 0x88 0x08 0xAD 0x1B 0x83 0x00 0x00 0x11 0x00 0x00 0x00 0x00 0x00 0x00 0x3F 0x03
0x02,0x88,0x08,0xAD,0x1B,0x83,0x00,0x00,0x11,0x00,0x00,0x00,0x00,0x00,0x00,0x3F,0x03

Now switch on the option to track the Serial toolbar in the DI message tool. Go to Options and check the “Auto-track London Architect message toolbar” option.

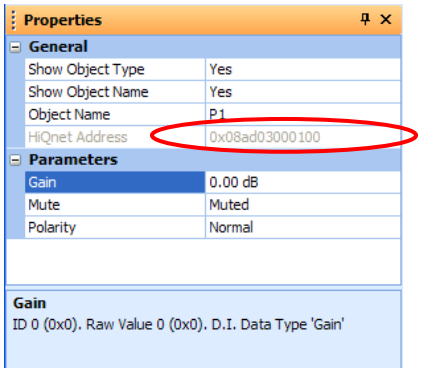
The string that London Architect is displaying will be automatically shown in the DI message tool in real time, so that you don’t need to copy and paste it.

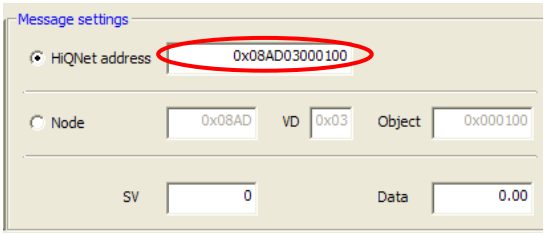


Creating messages to control a gain

The following is an example of using the message tool to set a simple gain:

Turn on the option for Auto-tracking the Selected London Architect object. Select HiQNet address in the Message Settings part of the DI message tool dialog. When clicking on one of the state variables of a gain processing object, you should see the HiQNet address change to that of the object.





For a gain processing object created as the first object in London Architect, this has an address of 0x100, giving a HiQNet address of 0xnnnn03000100, where nnnn is the node address.

When entering hex numbers in any the edit fields, prefix them with 0x. Note that the Node, VD and Object ID fields will accept both hexadecimal and decimal numbers; the numbers generated by London Architect for these values are hexadecimal. The SV ID's generated in London Architect are decimal numbers so these should be input into the DI Tool in decimal.

If you wish to type manually and use the Node, VD and object addressing then audio processing objects all live in virtual device 0x03. Select a message type of Set and a data type of "Gain, dB".

Data can be entered directly in dBs with the "Gain, dB" data type. The current value is copied across with the other object data.

Creating messages to subscribe to meters

The following example sets up the message tool to display the four input meters from Input card A.

Select Subscribe from the message type combo.

The object should be set to 0x1, which is the first card.

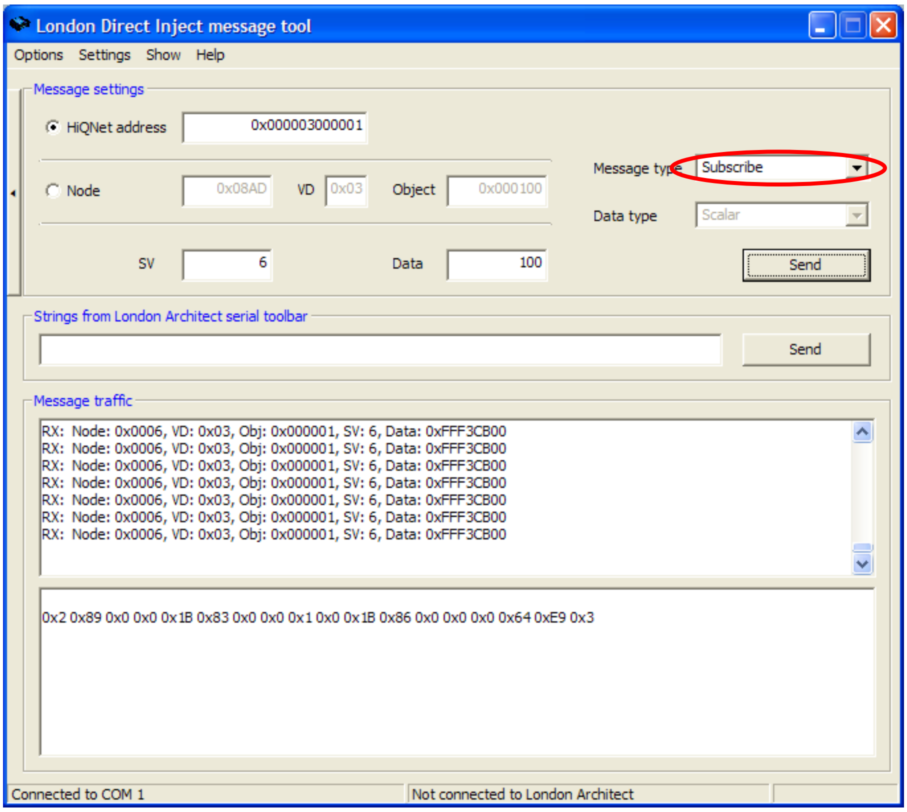
Set the state variable to 0, which is meter 1.

The data field is the subscribe rate in milliseconds, so a value of 50 will produce meter updates at a rate of 20 updates per second.

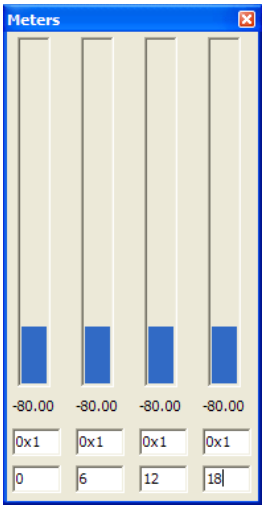
Press send to send this subscribe message.

Repeat this process with for state variable IDs of 6, 12 and 18.

The meter window provides four meters which respond to virtual device 0x3, and the object and state variables that you provide in the edit boxes. The value is always drawn in dBs. The setting of the Data Type field is irrelevant when setting up a subscription. To unsubscribe from Meter 2 of I/O card A change the Message type below to Unsubscribe. The Data field is not used in this case; all other settings remain the same.



Set the meters window up as follows:



The top edit box on each channel is the object to listen to. The bottom edit box is the state variable ID to listen to. This window is configured to show all four meters from Input Card A.

See appendix B for further Meter State variable IDs.

To subscribe to state variables other than indicators and meters, the Data field must be set to zero (0). When you issue the subscribe command to a state variable, the current value of that state variable is immediately sent back. Further updates are sent as and when the state variable changes. It is not possible to subscribe with a periodic rate to non-meter state variables.

You may use the subscribe command on state variables effectively as a GET command. Each time you send a subscribe message, the current value is sent back.

Appendices

A. Calculating scaling laws for parameters

When implementing a 3rd party control surface with script or in a programming language, a number of the parameters have a conversion from their native value to the value that needs to be sent as data in a direct inject message.

Percentage, using DI_SETSVPERCENT or DI_BUMPSVPERCENT

A multiplication factor is used to encode for fixed-point fractional values. This message type and data type can be used on any control.
To convert to this data type, perform the following conversion:

```
ValueToSend = PercentageValue * 65536
```

e.g.

```
10%    = 655360     ( 0x00 0x0A 0x00 0x00 )
12.5%  = 819200     ( 0x00 0x0C 0x80 0x00 )
50%    = 3276800    ( 0x00 0x32 0x00 0x00 )
100%   = 6553600    ( 0x00 0x64 0x00 0x00 )
-10%   = -655360    ( 0xFF 0xF6 0x00 0x00 )
-12.5% = -819200    ( 0xFF 0xF3 0x80 0x00 )
```

Discrete

This data type not encoded. The value is sent as it is, without any scaling. It typically represents enumerated controls, or controls where the value is an integer.
Examples of where this type of data is used are the following controls:

- Input card gain
- Crossover filter type
- Parametric filter slope
- Parametric filter type
- Gain object phase
- Expander ratio
- High pass filter type

Scalar linear scaling

Where the data is non-integer, a multiplication factor is used to encode for fixed-point fractional values. Examples of where this type of data is used are the following controls:

- Meter reference
- Leveller threshold
- Parametric filter boost/cut
- Compressor threshold
- Automixer slope
- Parametric filter width
- Mixer pan

To convert to this data type, perform the following conversion:

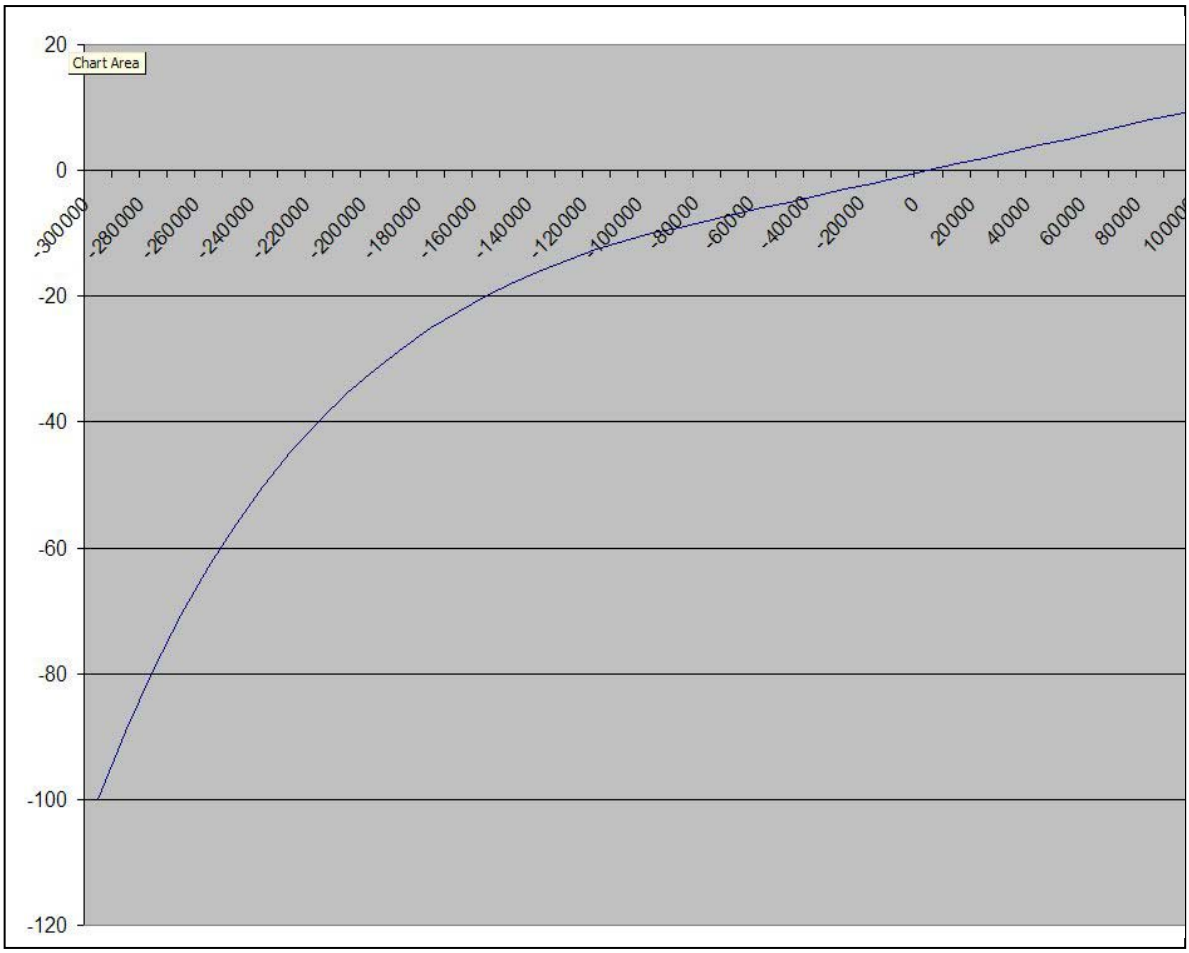
```
ValueToSend = Value * 10000
```

To convert back again:

```
Value = ReceivedValue / 10000
```

Gain scaling (linear and logarithmic)

This data type is used for gains objects that have fader law. This is a sub-ranged law with a linear portion between +10dB and -10dB and a logarithmic portion from -10dB down to -100dB. A graph illustrates this nicely. The X axis is the value sent by serial, and the y axis is the dB value.



The 4-byte dword that needs to be sent is scaled so that it is a linear mapping of a graphical fader position.

If the value is equal to or above -10dB:

```
ValueToSend = dBValue * 10000
```

If the value is below -10dB, then the formula is:

```
ValueToSend = ( -Log10( Abs( dBValue / 10 )) * ( 200000 )) – 100000
```

where Abs takes the absolute value - i.e. it drops the minus sign.

Converting back from a received value to give dBs is as follows:

If the value is equal to or above -100000

```
dBValue = ReceivedValue / 10000
```

If the value is below -100000, then the formula is:

```
dBValue = -10 * (10 ^ (Abs(ReceivedValue + 100000) / 200000)
```

Delay scaling (ms)

Delays are specified in milliseconds with 3 decimal places of accuracy. The delay processing object uses this data type, as do the delays within a crossover object, when enabled.

To convert to this data type, perform the following conversion:

```
ValueToSend = (msValue * 96000) / 1000
```

To convert back again

```
msValue = (ReceivedValue * 1000) / 96000
```

Frequency (Hz) and Speed (ms) scaling

Frequency is specified in hertz. Examples of the types of controls that use this data type are as follows:

High and low pass filter frequencies
Low pass filter frequencies
Crossover frequency

Speed is specified in milliseconds. Examples of the types of controls that use this data type are as follows:

Compressor attack
Compressor release

To convert to this data type, perform the following conversion:

```
ValueToSend = Log10( Value ) * 1000000
```

To convert back again

```
Value = 10 ^ (ReceivedValue / 1000000)
```

Percentage scaling, using DI_SETSV

Some controls have their native units in percent. The data encoding for a SET_SV message is different to a SET_SV% message. The value is multiplied by 100 to give 2 decimal places of accuracy. Examples of the types of controls that use this data type are as follows:

Graphic EQ selectivity

To convert to this data type, perform the following conversion:

```
ValueToSend = Percentage * 100
```

To convert back again

```
Percentage = ReceivedValue / 100
```

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B. Meter state variable IDs

The following state variables are not shown in London Architect, so are included here for reference. They are used with subscription messages to return the current value.

Input

Meter1	=	0
Meter2	=	6
Meter3	=	12
Meter4	=	18

Output cards

Meter1	=	0
Meter2	=	4
Meter3	=	8
Meter4	=	12

CobraNet receive bundle

Meter1	=	1
Meter2	=	2
Meter3	=	3
Meter4	=	4
Meter5	=	5
Meter6	=	6
Meter7	=	7
Meter8	=	8
AudioReceived	=	9
Dropouts	=	10
MetersActive	=	12

CobraNet transmit bundle

TransmitPosition	=	10
Meter1	=	11
Meter2	=	12
Meter3	=	13
Meter4	=	14
Meter5	=	15
Meter6	=	16
Meter7	=	17
Meter8	=	18
DropoutCounter	=	19
MetersActive	=	21

C. FAQ

Q1. My Soundweb London devices are sending me updates once a second, regardless of the subscription rate and even when I have unsubscribed.

A1. You have correctly subscribed. The first message has been sent to you, and this is the current value of the control. When the unit re-sends the same value on a 1 second interval, this is the normal behaviour of the protocol when a message has not been acknowledged.
The unsubscribe message has also probably worked too, as far as the subscription centre is concerned. It is the comms part of the system that is still trying to deliver a message on a retry basis.

You have two options to rectify this. Either switch off the Acknowledge feature of the protocol, by going to the properties of the device and changing Acknowledge to No or, on your 3rd party control equipment, reply with the Acknowledge character to every correctly formatted message you receive.
Please note this Acknowledge option is for message flow out of the Soundweb London device. Ackowledges will still be sent from the device back to your 3rd party control equipment in response to receiving correctly formatted messages. This cannot be switched off – simply ignore them if they are not required.

D. Fixed Object IDs

These object IDs are constant for BLU-80, BLU-800, BLU-32, BLU-320, BLU-16, BLU-160, BLU-100, BLU-101, BLU-102 devices created in London Architect.
NB: These Object ID values are in hex.

Analogue/Digital/AEC/Hybrid I/O Card A – ID 1
Analogue/Digital/AEC/Hybrid I/O Card B – ID 2
Analogue/Digital/AEC/Hybrid I/O Card C – ID 3
Analogue/Digital/AEC/Hybrid I/O Card D – ID 4
Analogue output card E (BLU-100, BLU-101 and BLU-102 only) _ ID 5

Input CobraNet Bundle A – ID 0x11
Input CobraNet Bundle B – ID 0x12
Input CobraNet Bundle C – ID 0x13
Input CobraNet Bundle D – ID 0x14

Output CobraNet Bundle A – ID 0x15
Output CobraNet Bundle B – ID 0x16
Output CobraNet Bundle C – ID 0x17
Output CobraNet Bundle D – ID 0x18

E. Telephone Hybrid String Dialing from 3rd Party Controllers

The telephone hybrid supports two types of dialing. The first is where the phone is taken off-hook and the telephone number is dialed one digit at a time. The second method is similar to a cell/mobile phone where the entire number is entered first (String Dialing) and then the off-hook command is issued.

The number field is stored internally as 4 different SVs (see General Device SV's in Appendix Section for SV ID's). Called Number Part1, Number Part2, Number Part3, and Number Part4. Each part stores 8 digits from the number as a 4 bit nibbles. This gives a total length of 32 characters per telephone number. So, by setting the current number SVs you can set 8 digits at a time. If a particular digit is not used then you should set it to 0xF (15). The easiest way to visualize this is to simply pretend the telephone number is a hex number and then spit it into groups of 8 digits. :-

Phone number is :-

1234567890

Pretend it's hex :-

0x1234567890

Split into groups of 8:-

0x12 and 0x34567890

Pad with 0xF for unused digits:-
0xFFFFFF12 and 0x34567890

Send ALL 4 SV's fully filled to ensure number is correctly entered:
Number Part 1 Data field: 0x34567890
Number Part 2 Data field: 0xFFFFFF12
Number Part 3 Data field: 0xFFFFFFFF
Number Part 4 Data field: 0xFFFFFFFF

Once the number is entered you can send an off-hook to dial it.

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F. Fixed State Variable IDs

These State Variable IDs are constant for all design files created in London Architect.
NB: All of the State Variable IDs displayed below are in **decimal**

General Device SVs

Device - BLU-80
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode - 118
- Conductor Priority (255 High, 1 Low) – 1000
- Conductor – 1001
- Secondary Interface - 1009
- CM1 Meters - 1011

Device - BLU-32
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode - 118
- Conductor Priority (255 High, 1 Low) – 1000
- Conductor – 1001
- Secondary Interface - 1009
- CM1 Meters - 1011

Device - BLU-16
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode – 118

Device - BLU-800
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode - 118
- Conductor Priority (255 High, 1 Low) – 1000
- Conductor – 1001
- Secondary Interface - 1009
- CM1 Meters – 1011
- Priority – 2001
- Reset Input Error Count – 2103
- Reset Output Error Count - 2203

Device - BLU-320
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode - 118
- Conductor Priority (255 High, 1 Low) – 1000
- Conductor – 1001
- Secondary Interface - 1009
- CM1 Meters – 1011
- Priority – 2001
- Reset Input Error Count – 2103
- Reset Output Error Count - 2203

Device - BLU-160
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode – 118
- Priority – 2001
- Reset Input Error Count – 2103
- Reset Output Error Count - 2203

Device - BLU-120
- Front Panel Display Contrast – 0
- Locate - 4
- 3 wire mode – 118
- Priority – 2001
- Reset Input Error Count – 2103
- Reset Output Error Count - 2203

Device - BLU-100
- Locate - 4
- 3 wire mode – 118
- Priority – 2001
- Reset Input Error Count – 2103
- Reset Output Error Count - 2203

Device - BLU-10
- Sleep Brightness - 50
- Active Brightness - 51
- Sleep - 52
- Sleep Delay - 53
- Start Page Enable - 55
- Start Page Delay – 56

Device - BLU-8
- LED Max Brightness - 3
- Sleep Enabled - 1
- Sleep Delay - 2
- Lockout on Sleep - 6
- Lockout Active – 7

Device - BLU-8v2
- LED Max Brightness - 50
- Sleep Enabled - 51
- Sleep Delay – 52
- Lockout on Sleep -53
- Lockout Active - 54

BLU Analogue Output Card

Channel 1
- Meter - 0
- Attack - 2
- Release - 3
- Reference - 1

Channel 2
- Meter - 4
- Attack - 6
- Release - 7
- Reference - 5

Channel 3
- Meter - 8
- Attack - 10
- Release - 11
- Reference - 9

Channel 4
- Meter - 12
- Attack - 14
- Release - 15
- Reference - 13

BLU Analogue Input Card

Channel 1
- Meter - 0
- Gain - 4
- Attack - 2
- Release - 3
- Reference - 1
- Phantom Switch - 5

Channel 2
- Meter - 6
- Gain - 10
- Attack - 8
- Release - 9
- Reference - 7
- Phantom Switch - 11

Channel 3
- Meter - 12
- Gain - 16
- Attack - 14
- Release - 15
- Reference - 13
- Phantom Switch - 17

Channel 4
- Meter - 18
- Gain - 22
- Attack - 20

Release - 21
Reference - 19
Phantom Switch – 23

BLU Digital Output Card
All Channels
Clock Source – 0
Clock Source Rate – 1
Outputs 1&2
Type – 100
Sample Rate – 101
Bypass SRC – 102
Status – 103
Outputs 3&4
Type – 200
Sample Rate – 201
Bypass SRC – 202
Status – 203
Channel 1
Meter - 1000
Attack - 1002
Release -1003
Reference – 1001
Channel 2
Meter - 1004
Attack - 1006
Release -100 7
Reference - 1005
Channel 3
Meter - 1008
Attack - 1010
Release - 1011
Reference – 1009
Channel 4
Meter - 1012
Attack - 1014
Release - 1015
Reference – 1013

BLU Digital Input Card
Inputs 1&2
Type – 0
Sample Rate – 2
Bypass SRC – 1
Error – 3
Non-audio – 5
Inputs 3&4
Type – 100
Sample Rate – 102
Bypass SRC – 101
Error – 103
Non-audio – 105
Channel 1
Meter - 1000
Attack - 1002
Release -1003
Reference – 1001
Channel 2
Meter - 1004
Attack - 1006
Release -100 7
Reference – 1005
Channel 3
Meter - 1008
Attack - 1010
Release - 1011
Reference - 1009
Channel 4
Meter - 1012
Attack - 1014
Release - 1015
Reference – 1013

BLU AEC Input Card
Channel 1
Meter - 0
Reference – 1
Attack – 2
Release – 3
Gain - 4
Phantom Switch – 5
AEC Enable – 10
NLP Enable – 11
NLP Level – 12
NC Enable – 15
NC Level – 16
ERL Meter – 13
ERLE Meter – 14
Signal Threshold – 17
Mic Active – 18
AGC Enable – 20
AGC Max Gain – 21
AGC Min Gain – 22
AGC Max Target – 23
AGC Min Target – 24
AGC Attack – 26
AGC Release – 27
AGC Current Gain - 25
Channel 2
Meter - 100
Reference – 1011
Attack – 102
Release – 103
Gain - 104
Phantom Switch – 105
AEC Enable – 110
NLP Enable – 111
NLP Level – 112
NC Enable – 115
NC Level – 116
ERL Meter – 113
ERLE Meter – 114
Signal Threshold – 117
Mic Active – 118
AGC Enable – 120
AGC Max Gain – 121
AGC Min Gain – 122
AGC Max Target – 123
AGC Min Target – 124
AGC Attack – 126
AGC Release – 127
AGC Current Gain -125
Channel 3
Meter - 200
Reference – 201
Attack – 202
Release – 203
Gain - 204
Phantom Switch – 205
AEC Enable – 210
NLP Enable – 211
NLP Level – 212
NC Enable – 215
NC Level – 216
ERL Meter – 213
ERLE Meter – 214
Signal Threshold –217
Mic Active – 218
AGC Enable – 220
AGC Max Gain – 221
AGC Min Gain – 222
AGC Max Target – 223
AGC Min Target – 224
AGC Attack – 226
AGC Release – 227
AGC Current Gain -225

Channel 4
Meter - 300
Reference – 301
Attack – 302
Release – 303
Gain - 304

Phantom Switch – 305
AEC Enable – 310
NLP Enable – 311
NLP Level – 312
NC Enable – 315
NC Level – 316
ERL Meter – 313
ERLE Meter – 314
Signal Threshold –317
Mic Active – 318
AGC Enable – 320
AGC Max Gain – 321
AGC Min Gain – 322
AGC Max Target – 323
AGC Min Target – 324
AGC Attack – 326
AGC Release – 327
AGC Current Gain -325

BLU Telephone Hybrid Input Card
Channel 1 Mic/Line Input
Meter - 0
Gain - 4
Attack - 2
Release - 3
Reference - 1
Phantom Switch - 5
Channel 2 Mic/Line Input
Meter - 6
Gain - 10
Attack - 8
Release - 9
Reference - 7
Phantom Switch - 11
Channel 3 Telephone TX
Meter - 142
Gain – 141
Mute - 140
Channel 4 Telephone RX
Meter - 145
Gain – 144
Mute – 143
Levels
DTMF Level – 146
Ring Level – 147
Dial Tone Level – 148
Side Tone Gain – 149
LEC – 153
Limiter Active – 154
Line Voltage (V) – 155
Current Overload – 156
DTMF Detect
DTMF 0 - 160
DTMF 1 - 161
DTMF 2 - 162
DTMF 3 - 163
DTMF 4 - 164
DTMF 5 - 165
DTMF 6 - 166
DTMF 7 - 167
DTMF 8 - 168
DTMF 9 - 169
DTMF Hash - 170
DTMF Asterix - 171
Speed Dial #1
Number Part 1 – 200
Number Part 2 – 201
Number Part 3 – 202
Number Part 4 – 203
Store – 204
Recall – 205
Name – 206
Speed Dial #2
Number Part 1 – 207
Number Part 2 – 208
Number Part 3 – 209
Number Part 4 – 210
Store – 211
Recall – 212
Name – 213
Speed Dial #3
Number Part 1 – 214
Number Part 2 – 215
Number Part 3 – 216
Number Part 4 – 217
Store – 218
Recall –219
Name – 220
Speed Dial #4
Number Part 1 – 221
Number Part 2 – 222
Number Part 3 – 223
Number Part 4 – 224
Store – 225
Recall – 226
Name – 227
Speed Dial #5
Number Part 1 – 228
Number Part 2 – 229
Number Part 3 – 230
Number Part 4 – 221
Store – 232
Recall – 233
Name – 234
.
.
.
Speed Dial #50
Number Part 1 – 543
Number Part 2 – 544
Number Part 3 – 545
Number Part 4 – 546
Store – 547
Recall – 548
Name - 549

Cobranet Input Bundle
Number – 0
Meter 1 – 1
Meter 2 – 2
Meter 3 – 3
Meter 4 – 4
Meter 5 – 5
Meter 6 – 6
Meter 7 – 7
Meter 8 – 8
Receiving Audio – 9
Dropouts – 10
Dropout Reset – 11
Meters Active – 12

Cobranet Output Bundle
Number - 0
Priority (255 High, 1 Low) - 1
Slot 1 Resolution - 2
Slot 2 Resolution - 3
Slot 3 Resolution - 4
Slot 4 Resolution - 5
Slot 5 Resolution - 6
Slot 6 Resolution - 7
Slot 7 Resolution - 8
Slot 8 Resolution – 9
Transmit Position – 10
Meter 1 – 11
Meter 2 – 12
Meter 3 – 13
Meter 4 – 14
Meter 5 – 15
Meter 6 – 16
Meter 7 – 17
Meter 8 – 18
Dropouts – 19
Dropouts Reset – 20
Meters Active – 21

Max Receivers – 22

BLU link Input
Meter Attack - 0
Meter Release - 1
Reference – 2
Meter 1 – 100
Meter 2 – 101
Meter 3 – 102
.
.
.
.
Meter 32 – 131

BLU link Output
Meter Attack - 0
Meter Release - 1
Reference – 2
Meter 1 – 100
Meter 2 – 101
Meter 3 – 102
.
.
.
.
Meter 32 – 131

Processing Objects

Ambient Noise Compensator
Ambient threshold - 0
Meter - 1
Min gain - 2
Max gain - 3
Min/Max listen select - 4
Gap speed - 6
Gain - 7
Gap time - 8
Gap LED - 9
Gap threshold - 10
Bypass - 11

Non-gap Ambient Noise Compensator
Ambient threshold - 0
Meter - 1
Min gain - 2
Max gain - 3
Min/Max listen select - 4
Attack -5
Release - 6
Announce meter - 7
Expansion ratio - 10
Bypass - 11

Automixer
Input 1
Gain - 0
Mute - 1
Pan - 2
Polarity – 3
Aux 1 send level - 20
Aux 2 send level - 21
Aux 3 send level - 22
Aux 4 send level - 23
Route to group 1 - 40
Route to group 2 - 41
Route to group 3 - 42
Route to group 4 - 43
Solo - 4
Override - 5
Off Gain - 6
Auto – 7
On - 8
Input 2
Gain - 100
Mute - 101
Pan - 102
Polarity - 103
Aux 1 send level - 120
Aux 2 send level - 121
Aux 3 send level - 122
Aux 4 send level - 123
Route to group 1 - 140
Route to group 2 - 141
Route to group 3 - 142
Route to group 4 - 143
Solo - 104
Override - 105
Off Gain - 106
Auto – 107
On - 108
Input 3
Gain - 200
Mute - 201
Pan - 202
Polarity - 203
Aux 1 send level - 220
Aux 2 send level - 221
Aux 3 send level - 222
Aux 4 send level - 223
Route to group 1 - 240
Route to group 2 - 241
Route to group 3 - 242
Route to group 4 - 243
Solo - 204
Override - 205
Off Gain - 206
Auto – 207
On - 208
Input 4
Gain - 300
Mute - 301
Pan - 302
Polarity - 303
Aux 1 send level - 320
Aux 2 send level - 321
Aux 3 send level - 322
Aux 4 send level - 323
Route to group 1 - 340
Route to group 2 - 341
Route to group 3 - 342
Route to group 4 - 343
Solo - 304
Override - 305
Off Gain - 306
Auto – 307
On - 308
Input 5
Gain - 400
Mute - 401
Pan - 402
Polarity - 403
Aux 1 send level - 420
Aux 2 send level - 421
Aux 3 send level - 422
Aux 4 send level - 423
Route to group 1 - 440
Route to group 2 - 441
Route to group 3 - 442
Route to group 4 - 443
Solo - 404
Override - 405
Off Gain - 406
Auto – 407
On - 408
Input 6
Gain - 500
Mute - 501
Pan - 502
Polarity - 503
Aux 1 send level - 520
Aux 2 send level - 521
Aux 3 send level - 522

Aux 4 send level - 523
Route to group 1 - 540
Route to group 2 - 541
Route to group 3 - 542
Route to group 4 - 543
Solo - 504
Override - 505
Off Gain - 506
Auto – 507
On - 508

Input 7
Gain - 600
Mute - 601
Pan - 602
Polarity - 603
Aux 1 send level - 620
Aux 2 send level - 621
Aux 3 send level - 622
Aux 4 send level - 623
Route to group 1 - 640
Route to group 2 - 641
Route to group 3 - 642
Route to group 4 - 643
Solo - 604
Override - 605
Off Gain - 606
Auto – 607
On - 608

Input 8
Gain - 700
Mute - 701
Pan - 702
Polarity - 703
Aux 1 send level - 720
Aux 2 send level - 721
Aux 3 send level - 722
Aux 4 send level - 723
Route to group 1 - 740
Route to group 2 - 741
Route to group 3 - 742
Route to group 4 - 743
Solo - 704
Override - 705
Off Gain - 706
Auto – 707
On - 708

Input 9
Gain - 800
Mute - 801
Pan - 802
Polarity - 803
Aux 1 send level - 820
Aux 2 send level - 821
Aux 3 send level - 822
Aux 4 send level - 823
Route to group 1 - 840
Route to group 2 - 841
Route to group 3 - 842
Route to group 4 - 843
Solo - 804
Override - 805
Off Gain - 806
Auto – 807
On - 808

Input 10
Gain - 900
Mute - 901
Pan - 902
Polarity - 903
Aux 1 send level - 920
Aux 2 send level - 921
Aux 3 send level - 922
Aux 4 send level - 923
Route to group 1 - 940
Route to group 2 - 941
Route to group 3 - 942
Route to group 4 - 943
Solo - 904
Override - 905
Off Gain - 906
Auto – 907
On - 908

Input 11
Gain - 1000
Mute - 1001
Pan - 1002
Polarity - 1003
Aux 1 send level - 1020
Aux 2 send level - 1021
Aux 3 send level - 1022
Aux 4 send level - 1023
Route to group 1 - 1040
Route to group 2 - 1041
Route to group 3 - 1042
Route to group 4 - 1043
Solo - 1004
Override - 1005
Off Gain - 1006
Auto – 1007
On - 1008

Input 12
Gain - 1100
Mute - 1101
Pan - 1102
Polarity - 1103
Aux 1 send level - 1120
Aux 2 send level - 1121
Aux 3 send level - 1122
Aux 4 send level - 1123
Route to group 1 - 1140
Route to group 2 - 1141
Route to group 3 - 1142
Route to group 4 - 1143
Solo - 1104
Override - 1105
Off Gain - 1106
Auto – 1107
On - 1108

Input 13
Gain - 1200
Mute - 1201
Pan - 1202
Polarity - 1203
Aux 1 send level - 1220
Aux 2 send level - 1221
Aux 3 send level - 1222
Aux 4 send level - 1223
Route to group 1 - 1240
Route to group 2 - 1241
Route to group 3 - 1242
Route to group 4 - 1243
Solo - 1204
Override - 1205
Off Gain - 1206
Auto – 1207
On - 1208

Input 14
Gain - 1300
Mute - 1301
Pan - 1302
Polarity - 1303
Aux 1 send level - 1320
Aux 2 send level - 1321
Aux 3 send level - 1322
Aux 4 send level - 1323
Route to group 1 - 1340
Route to group 2 - 1341
Route to group 3 - 1342
Route to group 4 - 1343
Solo - 1304
Override - 1305
Off Gain - 1306
Auto – 1307
On - 1308

Input 15
- Gain - 1400
- Mute - 1401
- Pan - 1402
- Polarity - 1403
- Aux 1 send level - 1420
- Aux 2 send level - 1421
- Aux 3 send level - 1422
- Aux 4 send level - 1423
- Route to group 1 - 1440
- Route to group 2 - 1441
- Route to group 3 - 1442
- Route to group 4 - 1443
- Solo - 1404
- Override - 1405
- Off Gain - 1406
- Auto – 1407
- On - 1408

Input 16
- Gain - 1500
- Mute - 1501
- Pan - 1502
- Polarity - 1503
- Aux 1 send level - 1520
- Aux 2 send level - 1521
- Aux 3 send level - 1522
- Aux 4 send level - 1523
- Route to group 1 - 1540
- Route to group 2 - 1541
- Route to group 3 - 1542
- Route to group 4 - 1543
- Solo - 1504
- Override - 1505
- Off Gain - 1506
- Auto – 1507
- On - 1508

Input 17
- Gain - 1600
- Mute - 1601
- Pan - 1602
- Polarity - 1603
- Aux 1 send level - 1620
- Aux 2 send level - 1621
- Aux 3 send level - 1622
- Aux 4 send level - 1623
- Route to group 1 - 1640
- Route to group 2 - 1641
- Route to group 3 - 1642
- Route to group 4 - 1643
- Solo - 1604
- Override - 1605
- Off Gain - 1606
- Auto – 1607
- On - 1608

Input 18
- Gain - 1700
- Mute - 1701
- Pan - 1702
- Polarity - 1703
- Aux 1 send level - 1720
- Aux 2 send level - 1721
- Aux 3 send level - 1722
- Aux 4 send level - 1723
- Route to group 1 - 1740
- Route to group 2 - 1741
- Route to group 3 - 1742
- Route to group 4 - 1743
- Solo - 1704
- Override - 1705
- Off Gain - 1706
- Auto – 1707
- On - 1708

Input 19
- Gain - 1800
- Mute - 1801
- Pan - 1802
- Polarity - 1803
- Aux 1 send level - 1820
- Aux 2 send level - 1821
- Aux 3 send level - 1822
- Aux 4 send level - 1823
- Route to group 1 - 1840
- Route to group 2 - 1841
- Route to group 3 - 1842
- Route to group 4 - 1843
- Solo - 1804
- Override - 1805
- Off Gain - 1806
- Auto – 1807
- On - 1808

Input 20
- Gain - 1900
- Mute - 1901
- Pan - 1902
- Polarity - 1903
- Aux 1 send level - 1920
- Aux 2 send level - 1921
- Aux 3 send level - 1922
- Aux 4 send level - 1923
- Route to group 1 - 1940
- Route to group 2 - 1941
- Route to group 3 - 1942
- Route to group 4 - 1943
- Solo - 1904
- Override - 1905
- Off Gain - 1906
- Auto – 1907
- On - 1908

Input 21
- Gain - 2000
- Mute - 2001
- Pan - 2002
- Polarity - 2003
- Aux 1 send level - 2020
- Aux 2 send level - 2021
- Aux 3 send level - 2022
- Aux 4 send level - 2023
- Route to group 1 - 2040
- Route to group 2 - 2041
- Route to group 3 - 2042
- Route to group 4 - 2043
- Solo - 2004
- Override - 2005
- Off Gain - 2006
- Auto – 2007
- On - 2008

Input 22
- Gain - 2100
- Mute - 2101
- Pan - 2102
- Polarity - 2103
- Aux 1 send level - 2120
- Aux 2 send level - 2121
- Aux 3 send level - 2122
- Aux 4 send level - 2123
- Route to group 1 - 2140
- Route to group 2 - 2141
- Route to group 3 - 2142
- Route to group 4 - 2143
- Solo - 2104
- Override - 2105
- Off Gain - 2106
- Auto – 2107
- On - 2108

Input 23
- Gain - 2200
- Mute - 2201
- Pan - 2202
- Polarity - 2203
- Aux 1 send level - 2220
- Aux 2 send level - 2221
- Aux 3 send level - 2222
- Aux 4 send level - 2223
- Route to group 1 - 2240

Route to group 2 - 2241
Route to group 3 - 2242
Route to group 4 - 2243
Solo - 2204
Override - 2205
Off Gain - 2206
Auto – 2207
On - 2208

Input 24
Gain - 2300
Mute - 2301
Pan - 2302
Polarity - 2303
Aux 1 send level - 2320
Aux 2 send level - 2321
Aux 3 send level - 2322
Aux 4 send level - 2323
Route to group 1 - 2340
Route to group 2 - 2341
Route to group 3 - 2342
Route to group 4 - 2343
Solo - 2304
Override - 2305
Off Gain - 2306
Auto – 2307
On - 2308

Input 25
Gain - 2400
Mute - 2401
Pan - 2402
Polarity - 2403
Aux 1 send level - 2420
Aux 2 send level - 2421
Aux 3 send level - 2422
Aux 4 send level - 2423
Route to group 1 - 2440
Route to group 2 - 2441
Route to group 3 - 2442
Route to group 4 - 2443
Solo - 2404
Override - 2405
Off Gain - 2406
Auto – 2407
On - 2408

Input 26
Gain - 2500
Mute - 2501
Pan - 2502
Polarity - 2503
Aux 1 send level - 2520
Aux 2 send level - 2521
Aux 3 send level - 2522
Aux 4 send level - 2523
Route to group 1 - 2540
Route to group 2 - 2541
Route to group 3 - 2542
Route to group 4 - 2543
Solo - 2504
Override - 2505
Off Gain - 2506
Auto – 2507
On - 2508

Input 27
Gain - 2600
Mute - 2601
Pan - 2602
Polarity - 2603
Aux 1 send level - 2620
Aux 2 send level - 2621
Aux 3 send level - 2622
Aux 4 send level - 2623
Route to group 1 - 2640
Route to group 2 - 2641
Route to group 3 - 2642
Route to group 4 - 2643
Solo - 2604
Override - 2605
Off Gain - 2606
Auto – 2607
On - 2608

Input 28
Gain - 2700
Mute - 2701
Pan - 2702
Polarity - 2703
Aux 1 send level - 2720
Aux 2 send level - 2721
Aux 3 send level - 2722
Aux 4 send level - 2723
Route to group 1 - 2740
Route to group 2 - 2741
Route to group 3 - 2742
Route to group 4 - 2743
Solo - 2704
Override - 2705
Off Gain - 2706
Auto – 2707
On - 2708

Input 29
Gain - 2800
Mute - 2801
Pan - 2802
Polarity - 2803
Aux 1 send level - 2820
Aux 2 send level - 2821
Aux 3 send level - 2822
Aux 4 send level - 2823
Route to group 1 - 2840
Route to group 2 - 2841
Route to group 3 - 2842
Route to group 4 - 2843
Solo - 2804
Override - 2805
Off Gain - 2806
Auto – 2807
On - 2808

Input 30
Gain - 2900
Mute - 2901
Pan - 2902
Polarity - 2903
Aux 1 send level - 2920
Aux 2 send level - 2921
Aux 3 send level - 2922
Aux 4 send level - 2923
Route to group 1 - 2940
Route to group 2 - 2941
Route to group 3 - 2942
Route to group 4 - 2943
Solo - 2904
Override - 2905
Off Gain - 2906
Auto – 2907
On - 2908

Input 31
Gain - 3000
Mute - 3001
Pan - 3002
Polarity - 3003
Aux 1 send level - 3020
Aux 2 send level - 3021
Aux 3 send level - 3022
Aux 4 send level - 3023
Route to group 1 - 3040
Route to group 2 - 3041
Route to group 3 - 3042
Route to group 4 - 3043
Solo - 3004
Override - 3005
Off Gain - 3006
Auto – 3007
On - 3008

Input 32
Gain - 3100

Mute - 3101
Pan - 3102
Polarity - 3103
Aux 1 send level - 3120
Aux 2 send level - 3121
Aux 3 send level - 3122
Aux 4 send level - 3123
Route to group 1 - 3140
Route to group 2 - 3141
Route to group 3 - 3142
Route to group 4 - 3143
Solo - 3104
Override - 3105
Off Gain - 3106
Auto – 3107
On - 3108

Input 33
Gain - 3200
Mute - 3201
Pan - 3202
Polarity - 3203
Aux 1 send level - 3220
Aux 2 send level - 3221
Aux 3 send level - 3222
Aux 4 send level - 3223
Route to group 1 - 3240
Route to group 2 - 3241
Route to group 3 - 3242
Route to group 4 - 3243
Solo - 3204
Override - 3205
Off Gain - 3206
Auto – 3207
On - 3208

Input 34
Gain - 3300
Mute - 3301
Pan - 3302
Polarity - 3303
Aux 1 send level - 3320
Aux 2 send level - 3321
Aux 3 send level - 3322
Aux 4 send level - 3323
Route to group 1 - 3340
Route to group 2 - 3341
Route to group 3 - 3342
Route to group 4 - 3343
Solo - 3304
Override - 3305
Off Gain - 3306
Auto – 3307
On - 3308

Input 35
Gain - 3400
Mute - 3401
Pan - 3402
Polarity - 3403
Aux 1 send level - 3420
Aux 2 send level - 3421
Aux 3 send level - 3422
Aux 4 send level - 3423
Route to group 1 - 3440
Route to group 2 - 3441
Route to group 3 - 3442
Route to group 4 - 3443
Solo - 3404
Override - 3405
Off Gain - 3406
Auto – 3407
On - 3408

Input 36
Gain - 3500
Mute - 3501
Pan - 3502
Polarity - 3503
Aux 1 send level - 3520
Aux 2 send level - 3521
Aux 3 send level - 3522
Aux 4 send level - 3523
Route to group 1 - 3540
Route to group 2 - 3541
Route to group 3 - 3542
Route to group 4 - 3543
Solo - 3504
Override - 3505
Off Gain - 3506
Auto - 3507
On - 3508

Input 37
Gain - 3600
Mute - 3601
Pan - 3602
Polarity - 3603
Aux 1 send level - 3620
Aux 2 send level - 3621
Aux 3 send level - 3622
Aux 4 send level - 3623
Route to group 1 - 3640
Route to group 2 - 3641
Route to group 3 - 3642
Route to group 4 - 3643
Solo - 3604
Override - 3605
Off Gain - 3606
Auto – 3607
On - 3608

Input 38
Gain - 3700
Mute - 3701
Pan - 3702
Polarity - 3703
Aux 1 send level - 3720
Aux 2 send level - 3721
Aux 3 send level - 3722
Aux 4 send level - 3723
Route to group 1 - 3740
Route to group 2 - 3741
Route to group 3 - 3742
Route to group 4 - 3743
Solo - 3704
Override - 3705
Off Gain - 3706
Auto – 3707
On - 3708

Input 39
Gain - 3800
Mute - 3801
Pan - 3802
Polarity - 3803
Aux 1 send level - 3820
Aux 2 send level - 3821
Aux 3 send level - 3822
Aux 4 send level - 3823
Route to group 1 - 3840
Route to group 2 - 3841
Route to group 3 - 3842
Route to group 4 - 3843
Solo - 3804
Override - 3805
Off Gain - 3806
Auto – 3807
On - 3808

Input 40
Gain - 3900
Mute - 3901
Pan - 3902
Polarity - 3903
Aux 1 send level - 3920
Aux 2 send level - 3921
Aux 3 send level - 3922
Aux 4 send level - 3923
Route to group 1 - 3940
Route to group 2 - 3941
Route to group 3 - 3942

Route to group 4 - 3943
Solo - 3904
Override - 3905
Off Gain - 3906
Auto – 3907
On - 3908

Input 41
Gain - 4000
Mute - 4001
Pan - 4002
Polarity - 4003
Aux 1 send level - 4020
Aux 2 send level - 4021
Aux 3 send level - 4022
Aux 4 send level - 4023
Route to group 1 - 4040
Route to group 2 - 4041
Route to group 3 - 4042
Route to group 4 - 4043
Solo - 4004
Override - 4005
Off Gain - 4006
Auto – 4007
On - 4008

Input 42
Gain - 4100
Mute - 4101
Pan - 4102
Polarity - 4103
Aux 1 send level - 4120
Aux 2 send level - 4121
Aux 3 send level - 4122
Aux 4 send level - 4123
Route to group 1 - 4140
Route to group 2 - 4141
Route to group 3 - 4142
Route to group 4 - 4143
Solo - 4104
Override - 4105
Off Gain - 4106
Auto – 4107
On - 4108

Input 43
Gain - 4200
Mute - 4201
Pan - 4202
Polarity - 4203
Aux 1 send level - 4220
Aux 2 send level - 4221
Aux 3 send level - 4222
Aux 4 send level - 4223
Route to group 1 - 4240
Route to group 2 - 4241
Route to group 3 - 4242
Route to group 4 - 4243
Solo - 4204
Override - 4205
Off Gain - 4206
Auto – 4207
On - 4208

Input 44
Gain - 4300
Mute - 4301
Pan - 4302
Polarity - 4303
Aux 1 send level - 4320
Aux 2 send level - 4321
Aux 3 send level - 4322
Aux 4 send level - 4323
Route to group 1 - 4340
Route to group 2 - 4341
Route to group 3 - 4342
Route to group 4 - 4343
Solo - 4304
Override - 4305
Off Gain - 4306
Auto – 4307
On - 4308

Input 45
Gain - 4400
Mute - 4401
Pan - 4402
Polarity - 4403
Aux 1 send level - 4420
Aux 2 send level - 4421
Aux 3 send level - 4422
Aux 4 send level - 4423
Route to group 1 - 4440
Route to group 2 - 4441
Route to group 3 - 4442
Route to group 4 - 4443
Solo - 4404
Override - 4405
Off Gain - 4406
Auto – 4407
On - 4408

Input 46
Gain - 4500
Mute - 4501
Pan - 4502
Polarity - 4503
Aux 1 send level - 4520
Aux 2 send level - 4521
Aux 3 send level - 4522
Aux 4 send level - 4523
Route to group 1 - 4540
Route to group 2 - 4541
Route to group 3 - 4542
Route to group 4 - 4543
Solo - 4504
Override - 4505
Off Gain - 4506
Auto – 4507
On - 4508

Input 47
Gain - 4600
Mute - 4601
Pan - 4602
Polarity - 4603
Aux 1 send level - 4620
Aux 2 send level - 4621
Aux 3 send level - 4622
Aux 4 send level - 4623
Route to group 1 - 4640
Route to group 2 - 4641
Route to group 3 - 4642
Route to group 4 - 4643
Solo - 4604
Override - 4605
Off Gain - 4606
Auto – 4607
On - 4608

Input 48
Gain - 4700
Mute - 4701
Pan - 4702
Polarity - 4703
Aux 1 send level - 4720
Aux 2 send level - 4721
Aux 3 send level - 4722
Aux 4 send level - 4723
Route to group 1 - 4740
Route to group 2 - 4741
Route to group 3 - 4742
Route to group 4 - 4743
Solo - 4704
Override - 4705
Off Gain - 4706
Auto – 4707
On - 4808

Aux A
Gain - 10001
Mute - 10002

Aux B

Gain - 10011
Mute - 10012
Aux C
Gain - 10021
Mute - 10022
Aux D
Gain - 10031
Mute - 10032
Group A
Gain - 11000
Mute - 11001
Group B
Gain - 11010
Mute - 11011
Group C
Gain - 11020
Mute - 11021
Group D
Gain - 11030
Mute - 11031
Output
Gain - 20000
Mute - 20001
Gain - 20002
Mute - 20003
Speed - 20004
Slope – 20005

Compressor
Bypass - 0
Threshold - 1
Ratio - 2
Attack - 3
Release – 4
Gain Reduction dB - 5
Gain - 7
Auto release – 8

Crossover
Band 1
Filter Type (Hi Pass) - 0
Filter Type (Lo Pass) - 1
Frequency (Hi Pass) - 2
Frequency (Lo Pass) - 3
Gain - 4
Delay - 15
Polarity - 16
Mute - 17
Limiter Threshold – 18
Limiter Level dB - 19
Band 2
Filter Type (Hi Pass) - 32
Filter Type (Lo Pass) - 33
Frequency (Hi Pass) - 34
Frequency (Lo Pass) - 35
Gain - 36
Phase - 46
Delay - 47
Polarity - 48
Mute - 49
Limiter Threshold – 50
Limiter Level dB - 51
Band 3
Filter Type (Hi Pass) - 64
Filter Type (Lo Pass) - 65
Frequency (Hi Pass) - 66
Frequency (Lo Pass) - 67
Gain - 68
Phase - 78
Delay - 79
Polarity - 80
Mute - 81
Limiter Threshold – 82
Limiter Level dB - 83
Band 4
Filter Type (Hi Pass) - 96
Filter Type (Lo Pass) - 97
Frequency (Hi Pass) - 98
Frequency (Lo Pass) - 99
Gain - 100
Phase - 110
Delay - 111
Polarity - 112
Mute - 113
Limiter Threshold – 114
Limiter Level dB - 115
Band 5
Filter Type (Hi Pass) - 128
Filter Type (Lo Pass) - 129
Frequency (Hi Pass) - 130
Frequency (Lo Pass) - 131
Gain - 132
Phase - 142
Delay - 143
Polarity - 144
Mute - 145
Limiter Threshold – 146
Limiter Level dB - 147
Band 6
Filter Type (Hi Pass) - 160
Filter Type (Lo Pass) - 161
Frequency (Hi Pass) - 162
Frequency (Lo Pass) - 163
Gain - 164
Phase - 174
Delay - 175
Polarity - 176
Mute - 177
Limiter Threshold – 178
Limiter Level dB - 179

Delay
Delay – 0

Ducker
Bypass - 0
Threshold - 1
Range - 2
Duck Time - 3
Hold - 4
Recover – 5
Gain Reduction dB - 9

Expander
Bypass - 0
Threshold - 1
Ratio - 7
Attack - 3
Release – 5
Gain Reduction dB - 9

Gain
Gain - 0
Mute - 1
Polarity – 2

Gate
Bypass - 0
Threshold - 1
Range - 2
Attack - 3
Hold - 4
Release - 5
Manual Open – 6
Open – 8
Below Threshold dB - 10

Graphic EQ
25.0 - 32
31.0 - 33
40.0 - 34
50.0 - 35
63.0 - 36
80.0 - 37

100 - 38
125 - 39
160 - 40
200 - 41
250 - 42
315 - 43
400 - 44
500 - 45
630 - 46
800 - 47
1.00k - 48
1.25k - 49
1.60k - 50
2.00k - 51
2.50k - 52
3.15k - 53
4.00k - 54
5.00k - 55
6.30k - 56
8.00k - 57
10.0k - 58
12.5k - 59
16.0k - 60
20.0k - 61
Bypass - 66
Selectivity – 65

High Pass Filter
Bypass - 0
Frequency - 1
Filter type – 4

Leveller
Bypass - 0
Ratio - 1
Threshold – 2
Gain Reduction dB - 4
Target Output - 5
Max Gain - 6
Speed – 7
Active LED - 8

Limiter
Threshold - 1
Attack - 3
Release – 4
Active - 5

Low Pass Filter
Bypass - 0
Frequency - 1
Filter type – 4

Matrix Mixer
Input 1
Gain Output 1 - 16384
Gain Output 2 - 16512
Gain Output 3 - 16640
Gain Output 4 - 16768
Gain Output 5 - 16896
Gain Output 6 - 17024
Gain Output 7 - 17152
Gain Output 8 - 17280
Gain Output 9 - 17408
Gain Output 10 - 17536
Gain Output 11 - 17664
Gain Output 12 - 17792
Gain Output 13 - 17920
Gain Output 14 - 18048
Gain Output 15 - 18176
Gain Output 16 - 18304
Gain Output 17 - 18432
Gain Output 18 - 18560
Gain Output 19 - 18688
Gain Output 20 - 18816
Gain Output 21 - 18944
Gain Output 22 - 19072
Gain Output 23 - 19200
Gain Output 24 - 19328
Gain Output 25 - 19456
Gain Output 26 - 19584
Gain Output 27 - 19712
Gain Output 28 - 19840
Gain Output 29 - 19968
Gain Output 30 - 20096
Gain Output 31 - 20224
Gain Output 32 - 20352
Gain Output 33 - 20480
Gain Output 34 - 20608
Gain Output 35 - 20736
Gain Output 36 - 20864
Gain Output 37 - 20992
Gain Output 38 - 21120
Gain Output 39 - 21248
Gain Output 40 - 21376
Gain Output 41 - 21504
Gain Output 42 - 21632
Gain Output 43 - 21760
Gain Output 44 - 21888
Gain Output 45 - 22016
Gain Output 46 - 22144
Gain Output 47 - 22272
Gain Output 48 - 22400
Input 2
Gain Output 1 - 16385
Gain Output 2 - 16513
Gain Output 3 - 16641
Gain Output 4 - 16769
Gain Output 5 - 16897
Gain Output 6 - 17025
Gain Output 7 - 17153
Gain Output 8 - 17281
Gain Output 9 - 17409
Gain Output 10 - 17537
Gain Output 11 - 17665
Gain Output 12 - 17793
Gain Output 13 - 17921
Gain Output 14 - 18049
Gain Output 15 - 18177
Gain Output 16 - 18305
Gain Output 17 - 18433
Gain Output 18 - 18561
Gain Output 19 - 18689
Gain Output 20 - 18817
Gain Output 21 - 18945
Gain Output 22 - 19073
Gain Output 23 - 19201
Gain Output 24 - 19329
Gain Output 25 - 19457
Gain Output 26 - 19585
Gain Output 27 - 19713
Gain Output 28 - 19841
Gain Output 29 - 19969
Gain Output 30 - 20097
Gain Output 31 - 20225
Gain Output 32 - 20353
Gain Output 33 - 20481
Gain Output 34 - 20609
Gain Output 35 - 20737
Gain Output 36 - 20865
Gain Output 37 - 20993
Gain Output 38 - 21121
Gain Output 39 - 21249
Gain Output 40 - 21377
Gain Output 41 - 21505
Gain Output 42 - 21633
Gain Output 43 - 21761
Gain Output 44 - 21889
Gain Output 45 - 22017
Gain Output 46 - 22145
Gain Output 47 - 22273
Gain Output 48 - 22401
Input 3
Gain Output 1 - 16386

Gain Output 2 - 16514
Gain Output 3 - 16642
Gain Output 4 - 16770
Gain Output 5 - 16898
Gain Output 6 - 17026
Gain Output 7 - 17154
Gain Output 8 - 17282
Gain Output 9 - 17410
Gain Output 10 - 17538
Gain Output 11 - 17666
Gain Output 12 - 17794
Gain Output 13 - 17922
Gain Output 14 - 18050
Gain Output 15 - 18178
Gain Output 16 - 18306
Gain Output 17 - 18434
Gain Output 18 - 18562
Gain Output 19 - 18690
Gain Output 20 - 18818
Gain Output 21 - 18946
Gain Output 22 - 19074
Gain Output 23 - 19202
Gain Output 24 - 19330
Gain Output 25 - 19458
Gain Output 26 - 19586
Gain Output 27 - 19714
Gain Output 28 - 19842
Gain Output 29 - 19970
Gain Output 30 - 20098
Gain Output 31 - 20226
Gain Output 32 - 20354
Gain Output 33 - 20482
Gain Output 34 - 20610
Gain Output 35 - 20738
Gain Output 36 - 20866
Gain Output 37 - 20994
Gain Output 38 - 21122
Gain Output 39 - 21250
Gain Output 40 - 21378
Gain Output 41 - 21506
Gain Output 42 - 21634
Gain Output 43 - 21762
Gain Output 44 - 21890
Gain Output 45 - 22018
Gain Output 46 - 22146
Gain Output 47 - 22274
Gain Output 48 - 22402

Input 4

Gain Output 1 - 16387
Gain Output 2 - 16515
Gain Output 3 - 16643
Gain Output 4 - 16771
Gain Output 5 - 16899
Gain Output 6 - 17027
Gain Output 7 - 17155
Gain Output 8 - 17283
Gain Output 9 - 17411
Gain Output 10 - 17539
Gain Output 11 - 17667
Gain Output 12 - 17795
Gain Output 13 - 17923
Gain Output 14 - 18051
Gain Output 15 - 18179
Gain Output 16 - 18307
Gain Output 17 - 18435
Gain Output 18 - 18563
Gain Output 19 - 18691
Gain Output 20 - 18819
Gain Output 21 - 18947
Gain Output 22 - 19075
Gain Output 23 - 19203
Gain Output 24 - 19331
Gain Output 25 - 19459
Gain Output 26 - 19587
Gain Output 27 - 19715
Gain Output 28 - 19843
Gain Output 29 - 19971
Gain Output 30 - 20099
Gain Output 31 - 20227
Gain Output 32 - 20355
Gain Output 33 - 20483
Gain Output 34 - 20611
Gain Output 35 - 20739
Gain Output 36 - 20867
Gain Output 37 - 20995
Gain Output 38 - 21123
Gain Output 39 - 21251
Gain Output 40 - 21379
Gain Output 41 - 21507
Gain Output 42 - 21635
Gain Output 43 - 21763
Gain Output 44 - 21891
Gain Output 45 - 22019
Gain Output 46 - 22147
Gain Output 47 - 22275
Gain Output 48 - 22403

Input 5

Gain Output 1 - 16388
Gain Output 2 - 16516
Gain Output 3 - 16644
Gain Output 4 - 16772
Gain Output 5 - 16900
Gain Output 6 - 17028
Gain Output 7 - 17156
Gain Output 8 - 17284
Gain Output 9 - 17412
Gain Output 10 - 17540
Gain Output 11 - 17668
Gain Output 12 - 17796
Gain Output 13 - 17924
Gain Output 14 - 18052
Gain Output 15 - 18180
Gain Output 16 - 18308
Gain Output 17 - 18436
Gain Output 18 - 18564
Gain Output 19 - 18692
Gain Output 20 - 18820
Gain Output 21 - 18948
Gain Output 22 - 19076
Gain Output 23 - 19204
Gain Output 24 - 19332
Gain Output 25 - 19460
Gain Output 26 - 19588
Gain Output 27 - 19716
Gain Output 28 - 19844
Gain Output 29 - 19972
Gain Output 30 - 20100
Gain Output 31 - 20228
Gain Output 32 - 20356
Gain Output 33 - 20484
Gain Output 34 - 20612
Gain Output 35 - 20740
Gain Output 36 - 20868
Gain Output 37 - 20996
Gain Output 38 - 21124
Gain Output 39 - 21252
Gain Output 40 - 21380
Gain Output 41 - 21508
Gain Output 42 - 21636
Gain Output 43 - 21764
Gain Output 44 - 21892
Gain Output 45 - 22020
Gain Output 46 - 22148
Gain Output 47 - 22276
Gain Output 48 - 22404

Input 6

Gain Output 1 - 16389
Gain Output 2 - 16517
Gain Output 3 - 16645
Gain Output 4 - 16773
Gain Output 5 - 16901
Gain Output 6 - 17029
Gain Output 7 - 17157
Gain Output 8 - 17285

Gain Output 9 - 17413
Gain Output 10 - 17541
Gain Output 11 - 17669
Gain Output 12 - 17797
Gain Output 13 - 17925
Gain Output 14 - 18053
Gain Output 15 - 18181
Gain Output 16 - 18309
Gain Output 17 - 18437
Gain Output 18 - 18565
Gain Output 19 - 18693
Gain Output 20 - 18821
Gain Output 21 - 18949
Gain Output 22 - 19077
Gain Output 23 - 19205
Gain Output 24 - 19333
Gain Output 25 - 19461
Gain Output 26 - 19589
Gain Output 27 - 19717
Gain Output 28 - 19845
Gain Output 29 - 19973
Gain Output 30 - 20101
Gain Output 31 - 20229
Gain Output 32 - 20357
Gain Output 33 - 20485
Gain Output 34 - 20613
Gain Output 35 - 20741
Gain Output 36 - 20869
Gain Output 37 - 20997
Gain Output 38 - 21125
Gain Output 39 - 21253
Gain Output 40 - 21381
Gain Output 41 - 21509
Gain Output 42 - 21637
Gain Output 43 - 21765
Gain Output 44 - 21893
Gain Output 45 - 22021
Gain Output 46 - 22149
Gain Output 47 - 22277
Gain Output 48 - 22405

Input 7

Gain Output 1 - 16390
Gain Output 2 - 16518
Gain Output 3 - 16646
Gain Output 4 - 16774
Gain Output 5 - 16902
Gain Output 6 - 17030
Gain Output 7 - 17158
Gain Output 8 - 17286
Gain Output 9 - 17414
Gain Output 10 - 17542
Gain Output 11 - 17670
Gain Output 12 - 17798
Gain Output 13 - 17926
Gain Output 14 - 18054
Gain Output 15 - 18182
Gain Output 16 - 18310
Gain Output 17 - 18438
Gain Output 18 - 18566
Gain Output 19 - 18694
Gain Output 20 - 18822
Gain Output 21 - 18950
Gain Output 22 - 19078
Gain Output 23 - 19206
Gain Output 24 - 19334
Gain Output 25 - 19462
Gain Output 26 - 19590
Gain Output 27 - 19718
Gain Output 28 - 19846
Gain Output 29 - 19974
Gain Output 30 - 20102
Gain Output 31 - 20230
Gain Output 32 - 20358
Gain Output 33 - 20486
Gain Output 34 - 20614
Gain Output 35 - 20742
Gain Output 36 - 20870
Gain Output 37 - 20998
Gain Output 38 - 21126
Gain Output 39 - 21254
Gain Output 40 - 21382
Gain Output 41 - 21510
Gain Output 42 - 21638
Gain Output 43 - 21766
Gain Output 44 - 21894
Gain Output 45 - 22022
Gain Output 46 - 22150
Gain Output 47 - 22278
Gain Output 48 - 22406

Input 8

Gain Output 1 - 16391
Gain Output 2 - 16519
Gain Output 3 - 16647
Gain Output 4 - 16775
Gain Output 5 - 16903
Gain Output 6 - 17031
Gain Output 7 - 17159
Gain Output 8 - 17287
Gain Output 9 - 17415
Gain Output 10 - 17543
Gain Output 11 - 17671
Gain Output 12 - 17799
Gain Output 13 - 17927
Gain Output 14 - 18055
Gain Output 15 - 18183
Gain Output 16 - 18311
Gain Output 17 - 18439
Gain Output 18 - 18567
Gain Output 19 - 18695
Gain Output 20 - 18823
Gain Output 21 - 18951
Gain Output 22 - 19079
Gain Output 23 - 19207
Gain Output 24 - 19335
Gain Output 25 - 19463
Gain Output 26 - 19591
Gain Output 27 - 19719
Gain Output 28 - 19847
Gain Output 29 - 19975
Gain Output 30 - 20103
Gain Output 31 - 20231
Gain Output 32 - 20359
Gain Output 33 - 20487
Gain Output 34 - 20615
Gain Output 35 - 20743
Gain Output 36 - 20871
Gain Output 37 - 20999
Gain Output 38 - 21127
Gain Output 39 - 21255
Gain Output 40 - 21383
Gain Output 41 - 21511
Gain Output 42 - 21639
Gain Output 43 - 21767
Gain Output 44 - 21895
Gain Output 45 - 22023
Gain Output 46 - 22151
Gain Output 47 - 22279
Gain Output 48 - 22407

Input 9

Gain Output 1 - 16392
Gain Output 2 - 16520
Gain Output 3 - 16648
Gain Output 4 - 16776
Gain Output 5 - 16904
Gain Output 6 - 17032
Gain Output 7 - 17160
Gain Output 8 - 17288
Gain Output 9 - 17416
Gain Output 10 - 17544
Gain Output 11 - 17672
Gain Output 12 - 17800
Gain Output 13 - 17928
Gain Output 14 - 18056
Gain Output 15 - 18184

Gain Output 16 - 18312
Gain Output 17 - 18440
Gain Output 18 - 18568
Gain Output 19 - 18696
Gain Output 20 - 18824
Gain Output 21 - 18952
Gain Output 22 - 19080
Gain Output 23 - 19208
Gain Output 24 - 19336
Gain Output 25 - 19464
Gain Output 26 - 19592
Gain Output 27 - 19720
Gain Output 28 - 19848
Gain Output 29 - 19976
Gain Output 30 - 20104
Gain Output 31 - 20232
Gain Output 32 - 20360
Gain Output 33 - 20488
Gain Output 34 - 20616
Gain Output 35 - 20744
Gain Output 36 - 20872
Gain Output 37 - 21000
Gain Output 38 - 21128
Gain Output 39 - 21256
Gain Output 40 - 21384
Gain Output 41 - 21512
Gain Output 42 - 21640
Gain Output 43 - 21768
Gain Output 44 - 21896
Gain Output 45 - 22024
Gain Output 46 - 22152
Gain Output 47 - 22280
Gain Output 48 - 22408

Input 10

Gain Output 1 - 16393
Gain Output 2 - 16521
Gain Output 3 - 16649
Gain Output 4 - 16777
Gain Output 5 - 16905
Gain Output 6 - 17033
Gain Output 7 - 17161
Gain Output 8 - 17289
Gain Output 9 - 17417
Gain Output 10 - 17545
Gain Output 11 - 17673
Gain Output 12 - 17801
Gain Output 13 - 17929
Gain Output 14 - 18057
Gain Output 15 - 18185
Gain Output 16 - 18313
Gain Output 17 - 18441
Gain Output 18 - 18569
Gain Output 19 - 18697
Gain Output 20 - 18825
Gain Output 21 - 18953
Gain Output 22 - 19081
Gain Output 23 - 19209
Gain Output 24 - 19337
Gain Output 25 - 19465
Gain Output 26 - 19593
Gain Output 27 - 19721
Gain Output 28 - 19849
Gain Output 29 - 19977
Gain Output 30 - 20105
Gain Output 31 - 20233
Gain Output 32 - 20361
Gain Output 33 - 20489
Gain Output 34 - 20617
Gain Output 35 - 20745
Gain Output 36 - 20873
Gain Output 37 - 21001
Gain Output 38 - 21129
Gain Output 39 - 21257
Gain Output 40 - 21385
Gain Output 41 - 21513
Gain Output 42 - 21641
Gain Output 43 - 21769
Gain Output 44 - 21897
Gain Output 45 - 22025
Gain Output 46 - 22153
Gain Output 47 - 22281
Gain Output 48 - 22409

Input 11

Gain Output 1 - 16394
Gain Output 2 - 16522
Gain Output 3 - 16650
Gain Output 4 - 16778
Gain Output 5 - 16906
Gain Output 6 - 17034
Gain Output 7 - 17162
Gain Output 8 - 17290
Gain Output 9 - 17418
Gain Output 10 - 17546
Gain Output 11 - 17674
Gain Output 12 - 17802
Gain Output 13 - 17930
Gain Output 14 - 18058
Gain Output 15 - 18186
Gain Output 16 - 18314
Gain Output 17 - 18442
Gain Output 18 - 18570
Gain Output 19 - 18698
Gain Output 20 - 18826
Gain Output 21 - 18954
Gain Output 22 - 19082
Gain Output 23 - 19210
Gain Output 24 - 19338
Gain Output 25 - 19466
Gain Output 26 - 19594
Gain Output 27 - 19722
Gain Output 28 - 19850
Gain Output 29 - 19978
Gain Output 30 - 20106
Gain Output 31 - 20234
Gain Output 32 - 20362
Gain Output 33 - 20490
Gain Output 34 - 20618
Gain Output 35 - 20746
Gain Output 36 - 20874
Gain Output 37 - 21002
Gain Output 38 - 21130
Gain Output 39 - 21258
Gain Output 40 - 21386
Gain Output 41 - 21514
Gain Output 42 - 21642
Gain Output 43 - 21770
Gain Output 44 - 21898
Gain Output 45 - 22026
Gain Output 46 - 22154
Gain Output 47 - 22282
Gain Output 48 - 22410

Input 12

Gain Output 1 - 16395
Gain Output 2 - 16523
Gain Output 3 - 16651
Gain Output 4 - 16779
Gain Output 5 - 16907
Gain Output 6 - 17035
Gain Output 7 - 17163
Gain Output 8 - 17291
Gain Output 9 - 17419
Gain Output 10 - 17547
Gain Output 11 - 17675
Gain Output 12 - 17803
Gain Output 13 - 17931
Gain Output 14 - 18059
Gain Output 15 - 18187
Gain Output 16 - 18315
Gain Output 17 - 18443
Gain Output 18 - 18571
Gain Output 19 - 18699
Gain Output 20 - 18827
Gain Output 21 - 18955
Gain Output 22 - 19083

Gain Output 23 - 19211
Gain Output 24 - 19339
Gain Output 25 - 19467
Gain Output 26 - 19595
Gain Output 27 - 19723
Gain Output 28 - 19851
Gain Output 29 - 19979
Gain Output 30 - 20107
Gain Output 31 - 20235
Gain Output 32 - 20363
Gain Output 33 - 20491
Gain Output 34 - 20619
Gain Output 35 - 20747
Gain Output 36 - 20875
Gain Output 37 - 21003
Gain Output 38 - 21131
Gain Output 39 - 21259
Gain Output 40 - 21387
Gain Output 41 - 21515
Gain Output 42 - 21643
Gain Output 43 - 21771
Gain Output 44 - 21899
Gain Output 45 - 22027
Gain Output 46 - 22155
Gain Output 47 - 22283
Gain Output 48 - 22411

Input 13

Gain Output 1 - 16396
Gain Output 2 - 16524
Gain Output 3 - 16652
Gain Output 4 - 16780
Gain Output 5 - 16908
Gain Output 6 - 17036
Gain Output 7 - 17164
Gain Output 8 - 17292
Gain Output 9 - 17420
Gain Output 10 - 17548
Gain Output 11 - 17676
Gain Output 12 - 17804
Gain Output 13 - 17932
Gain Output 14 - 18060
Gain Output 15 - 18188
Gain Output 16 - 18316
Gain Output 17 - 18444
Gain Output 18 - 18572
Gain Output 19 - 18700
Gain Output 20 - 18828
Gain Output 21 - 18956
Gain Output 22 - 19084
Gain Output 23 - 19212
Gain Output 24 - 19340
Gain Output 25 - 19468
Gain Output 26 - 19596
Gain Output 27 - 19724
Gain Output 28 - 19852
Gain Output 29 - 19980
Gain Output 30 - 20108
Gain Output 31 - 20236
Gain Output 32 - 20364
Gain Output 33 - 20492
Gain Output 34 - 20620
Gain Output 35 - 20748
Gain Output 36 - 20876
Gain Output 37 - 21004
Gain Output 38 - 21132
Gain Output 39 - 21260
Gain Output 40 - 21388
Gain Output 41 - 21516
Gain Output 42 - 21644
Gain Output 43 - 21772
Gain Output 44 - 21900
Gain Output 45 - 22028
Gain Output 46 - 22156
Gain Output 47 - 22284
Gain Output 48 - 22412

Input 14

Gain Output 1 - 16397
Gain Output 2 - 16525
Gain Output 3 - 16653
Gain Output 4 - 16781
Gain Output 5 - 16909
Gain Output 6 - 17037
Gain Output 7 - 17165
Gain Output 8 - 17293
Gain Output 9 - 17421
Gain Output 10 - 17549
Gain Output 11 - 17677
Gain Output 12 - 17805
Gain Output 13 - 17933
Gain Output 14 - 18061
Gain Output 15 - 18189
Gain Output 16 - 18317
Gain Output 17 - 18445
Gain Output 18 - 18573
Gain Output 19 - 18701
Gain Output 20 - 18829
Gain Output 21 - 18957
Gain Output 22 - 19085
Gain Output 23 - 19213
Gain Output 24 - 19341
Gain Output 25 - 19469
Gain Output 26 - 19597
Gain Output 27 - 19725
Gain Output 28 - 19853
Gain Output 29 - 19981
Gain Output 30 - 20109
Gain Output 31 - 20237
Gain Output 32 - 20365
Gain Output 33 - 20493
Gain Output 34 - 20621
Gain Output 35 - 20749
Gain Output 36 - 20877
Gain Output 37 - 21005
Gain Output 38 - 21133
Gain Output 39 - 21261
Gain Output 40 - 21389
Gain Output 41 - 21517
Gain Output 42 - 21645
Gain Output 43 - 21773
Gain Output 44 - 21901
Gain Output 45 - 22029
Gain Output 46 - 22157
Gain Output 47 - 22285
Gain Output 48 - 22413

Input 15

Gain Output 1 - 16398
Gain Output 2 - 16526
Gain Output 3 - 16654
Gain Output 4 - 16782
Gain Output 5 - 16910
Gain Output 6 - 17038
Gain Output 7 - 17166
Gain Output 8 - 17294
Gain Output 9 - 17422
Gain Output 10 - 17550
Gain Output 11 - 17678
Gain Output 12 - 17806
Gain Output 13 - 17934
Gain Output 14 - 18062
Gain Output 15 - 18190
Gain Output 16 - 18318
Gain Output 17 - 18446
Gain Output 18 - 18574
Gain Output 19 - 18702
Gain Output 20 - 18830
Gain Output 21 - 18958
Gain Output 22 - 19086
Gain Output 23 - 19214
Gain Output 24 - 19342
Gain Output 25 - 19470
Gain Output 26 - 19598
Gain Output 27 - 19726
Gain Output 28 - 19854
Gain Output 29 - 19982

Gain Output 30 - 20110
Gain Output 31 - 20238
Gain Output 32 - 20366
Gain Output 33 - 20494
Gain Output 34 - 20622
Gain Output 35 - 20750
Gain Output 36 - 20878
Gain Output 37 - 21006
Gain Output 38 - 21134
Gain Output 39 - 21262
Gain Output 40 - 21390
Gain Output 41 - 21518
Gain Output 42 - 21646
Gain Output 43 - 21774
Gain Output 44 - 21902
Gain Output 45 - 22030
Gain Output 46 - 22158
Gain Output 47 - 22286
Gain Output 48 - 22414

Input 16

Gain Output 1 - 16399
Gain Output 2 - 16527
Gain Output 3 - 16655
Gain Output 4 - 16783
Gain Output 5 - 16911
Gain Output 6 - 17039
Gain Output 7 - 17167
Gain Output 8 - 17295
Gain Output 9 - 17423
Gain Output 10 - 17551
Gain Output 11 - 17679
Gain Output 12 - 17807
Gain Output 13 - 17935
Gain Output 14 - 18063
Gain Output 15 - 18191
Gain Output 16 - 18319
Gain Output 17 - 18447
Gain Output 18 - 18575
Gain Output 19 - 18703
Gain Output 20 - 18831
Gain Output 21 - 18959
Gain Output 22 - 19087
Gain Output 23 - 19215
Gain Output 24 - 19343
Gain Output 25 - 19471
Gain Output 26 - 19599
Gain Output 27 - 19727
Gain Output 28 - 19855
Gain Output 29 - 19983
Gain Output 30 - 20111
Gain Output 31 - 20239
Gain Output 32 - 20367
Gain Output 33 - 20495
Gain Output 34 - 20623
Gain Output 35 - 20751
Gain Output 36 - 20879
Gain Output 37 - 21007
Gain Output 38 - 21135
Gain Output 39 - 21263
Gain Output 40 - 21391
Gain Output 41 - 21519
Gain Output 42 - 21647
Gain Output 43 - 21775
Gain Output 44 - 21903
Gain Output 45 - 22031
Gain Output 46 - 22159
Gain Output 47 - 22287
Gain Output 48 - 22415

Input 17

Gain Output 1 - 16400
Gain Output 2 - 16528
Gain Output 3 - 16656
Gain Output 4 - 16784
Gain Output 5 - 16912
Gain Output 6 - 17040
Gain Output 7 - 17168
Gain Output 8 - 17296
Gain Output 9 - 17424
Gain Output 10 - 17552
Gain Output 11 - 17680
Gain Output 12 - 17808
Gain Output 13 - 17936
Gain Output 14 - 18064
Gain Output 15 - 18192
Gain Output 16 - 18320
Gain Output 17 - 18448
Gain Output 18 - 18576
Gain Output 19 - 18704
Gain Output 20 - 18832
Gain Output 21 - 18960
Gain Output 22 - 19088
Gain Output 23 - 19216
Gain Output 24 - 19344
Gain Output 25 - 19472
Gain Output 26 - 19600
Gain Output 27 - 19728
Gain Output 28 - 19856
Gain Output 29 - 19984
Gain Output 30 - 20112
Gain Output 31 - 20240
Gain Output 32 - 20368
Gain Output 33 - 20496
Gain Output 34 - 20624
Gain Output 35 - 20752
Gain Output 36 - 20880
Gain Output 37 - 21008
Gain Output 38 - 21136
Gain Output 39 - 21264
Gain Output 40 - 21392
Gain Output 41 - 21520
Gain Output 42 - 21648
Gain Output 43 - 21776
Gain Output 44 - 21904
Gain Output 45 - 22032
Gain Output 46 - 22160
Gain Output 47 - 22288
Gain Output 48 - 22416

Input 18

Gain Output 1 - 16401
Gain Output 2 - 16529
Gain Output 3 - 16657
Gain Output 4 - 16785
Gain Output 5 - 16913
Gain Output 6 - 17041
Gain Output 7 - 17169
Gain Output 8 - 17297
Gain Output 9 - 17425
Gain Output 10 - 17553
Gain Output 11 - 17681
Gain Output 12 - 17809
Gain Output 13 - 17937
Gain Output 14 - 18065
Gain Output 15 - 18193
Gain Output 16 - 18321
Gain Output 17 - 18449
Gain Output 18 - 18577
Gain Output 19 - 18705
Gain Output 20 - 18833
Gain Output 21 - 18961
Gain Output 22 - 19089
Gain Output 23 - 19217
Gain Output 24 - 19345
Gain Output 25 - 19473
Gain Output 26 - 19601
Gain Output 27 - 19729
Gain Output 28 - 19857
Gain Output 29 - 19985
Gain Output 30 - 20113
Gain Output 31 - 20241
Gain Output 32 - 20369
Gain Output 33 - 20497
Gain Output 34 - 20625
Gain Output 35 - 20753
Gain Output 36 - 20881

Gain Output 37 - 21009
Gain Output 38 - 21137
Gain Output 39 - 21265
Gain Output 40 - 21393
Gain Output 41 - 21521
Gain Output 42 - 21649
Gain Output 43 - 21777
Gain Output 44 - 21905
Gain Output 45 - 22033
Gain Output 46 - 22161
Gain Output 47 - 22289
Gain Output 48 - 22417

Input 19

Gain Output 1 - 16402
Gain Output 2 - 16530
Gain Output 3 - 16658
Gain Output 4 - 16786
Gain Output 5 - 16914
Gain Output 6 - 17042
Gain Output 7 - 17170
Gain Output 8 - 17298
Gain Output 9 - 17426
Gain Output 10 - 17554
Gain Output 11 - 17682
Gain Output 12 - 17810
Gain Output 13 - 17938
Gain Output 14 - 18066
Gain Output 15 - 18194
Gain Output 16 - 18322
Gain Output 17 - 18450
Gain Output 18 - 18578
Gain Output 19 - 18706
Gain Output 20 - 18834
Gain Output 21 - 18962
Gain Output 22 - 19090
Gain Output 23 - 19218
Gain Output 24 - 19346
Gain Output 25 - 19474
Gain Output 26 - 19602
Gain Output 27 - 19730
Gain Output 28 - 19858
Gain Output 29 - 19986
Gain Output 30 - 20114
Gain Output 31 - 20242
Gain Output 32 - 20370
Gain Output 33 - 20498
Gain Output 34 - 20626
Gain Output 35 - 20754
Gain Output 36 - 20882
Gain Output 37 - 21010
Gain Output 38 - 21138
Gain Output 39 - 21266
Gain Output 40 - 21394
Gain Output 41 - 21522
Gain Output 42 - 21650
Gain Output 43 - 21778
Gain Output 44 - 21906
Gain Output 45 - 22034
Gain Output 46 - 22162
Gain Output 47 - 22290
Gain Output 48 - 22418

Input 20

Gain Output 1 - 16403
Gain Output 2 - 16531
Gain Output 3 - 16659
Gain Output 4 - 16787
Gain Output 5 - 16915
Gain Output 6 - 17043
Gain Output 7 - 17171
Gain Output 8 - 17299
Gain Output 9 - 17427
Gain Output 10 - 17555
Gain Output 11 - 17683
Gain Output 12 - 17811
Gain Output 13 - 17939
Gain Output 14 - 18067
Gain Output 15 - 18195
Gain Output 16 - 18323
Gain Output 17 - 18451
Gain Output 18 - 18579
Gain Output 19 - 18707
Gain Output 20 - 18835
Gain Output 21 - 18963
Gain Output 22 - 19091
Gain Output 23 - 19219
Gain Output 24 - 19347
Gain Output 25 - 19475
Gain Output 26 - 19603
Gain Output 27 - 19731
Gain Output 28 - 19859
Gain Output 29 - 19987
Gain Output 30 - 20115
Gain Output 31 - 20243
Gain Output 32 - 20371
Gain Output 33 - 20499
Gain Output 34 - 20627
Gain Output 35 - 20755
Gain Output 36 - 20883
Gain Output 37 - 21011
Gain Output 38 - 21139
Gain Output 39 - 21267
Gain Output 40 - 21395
Gain Output 41 - 21523
Gain Output 42 - 21651
Gain Output 43 - 21779
Gain Output 44 - 21907
Gain Output 45 - 22035
Gain Output 46 - 22163
Gain Output 47 - 22291
Gain Output 48 - 22419

Input 21

Gain Output 1 - 16404
Gain Output 2 - 16532
Gain Output 3 - 16660
Gain Output 4 - 16788
Gain Output 5 - 16916
Gain Output 6 - 17044
Gain Output 7 - 17172
Gain Output 8 - 17300
Gain Output 9 - 17428
Gain Output 10 - 17556
Gain Output 11 - 17684
Gain Output 12 - 17812
Gain Output 13 - 17940
Gain Output 14 - 18068
Gain Output 15 - 18196
Gain Output 16 - 18324
Gain Output 17 - 18452
Gain Output 18 - 18580
Gain Output 19 - 18708
Gain Output 20 - 18836
Gain Output 21 - 18964
Gain Output 22 - 19092
Gain Output 23 - 19220
Gain Output 24 - 19348
Gain Output 25 - 19476
Gain Output 26 - 19604
Gain Output 27 - 19732
Gain Output 28 - 19860
Gain Output 29 - 19988
Gain Output 30 - 20116
Gain Output 31 - 20244
Gain Output 32 - 20372
Gain Output 33 - 20500
Gain Output 34 - 20628
Gain Output 35 - 20756
Gain Output 36 - 20884
Gain Output 37 - 21012
Gain Output 38 - 21140
Gain Output 39 - 21268
Gain Output 40 - 21396
Gain Output 41 - 21524
Gain Output 42 - 21652
Gain Output 43 - 21780

Gain Output 44 - 21908
Gain Output 45 - 22036
Gain Output 46 - 22164
Gain Output 47 - 22292
Gain Output 48 - 22420

Input 22

Gain Output 1 - 16405
Gain Output 2 - 16533
Gain Output 3 - 16661
Gain Output 4 - 16789
Gain Output 5 - 16917
Gain Output 6 - 17045
Gain Output 7 - 17173
Gain Output 8 - 17301
Gain Output 9 - 17429
Gain Output 10 - 17557
Gain Output 11 - 17685
Gain Output 12 - 17813
Gain Output 13 - 17941
Gain Output 14 - 18069
Gain Output 15 - 18197
Gain Output 16 - 18325
Gain Output 17 - 18453
Gain Output 18 - 18581
Gain Output 19 - 18709
Gain Output 20 - 18837
Gain Output 21 - 18965
Gain Output 22 - 19093
Gain Output 23 - 19221
Gain Output 24 - 19349
Gain Output 25 - 19477
Gain Output 26 - 19605
Gain Output 27 - 19733
Gain Output 28 - 19861
Gain Output 29 - 19989
Gain Output 30 - 20117
Gain Output 31 - 20245
Gain Output 32 - 20373
Gain Output 33 - 20501
Gain Output 34 - 20629
Gain Output 35 - 20757
Gain Output 36 - 20885
Gain Output 37 - 21013
Gain Output 38 - 21141
Gain Output 39 - 21269
Gain Output 40 - 21397
Gain Output 41 - 21525
Gain Output 42 - 21653
Gain Output 43 - 21781
Gain Output 44 - 21909
Gain Output 45 - 22037
Gain Output 46 - 22165
Gain Output 47 - 22293
Gain Output 48 - 22421

Input 23

Gain Output 1 - 16406
Gain Output 2 - 16534
Gain Output 3 - 16662
Gain Output 4 - 16790
Gain Output 5 - 16918
Gain Output 6 - 17046
Gain Output 7 - 17174
Gain Output 8 - 17302
Gain Output 9 - 17430
Gain Output 10 - 17558
Gain Output 11 - 17686
Gain Output 12 - 17814
Gain Output 13 - 17942
Gain Output 14 - 18070
Gain Output 15 - 18198
Gain Output 16 - 18326
Gain Output 17 - 18454
Gain Output 18 - 18582
Gain Output 19 - 18710
Gain Output 20 - 18838
Gain Output 21 - 18966
Gain Output 22 - 19094
Gain Output 23 - 19222
Gain Output 24 - 19350
Gain Output 25 - 19478
Gain Output 26 - 19606
Gain Output 27 - 19734
Gain Output 28 - 19862
Gain Output 29 - 19990
Gain Output 30 - 20118
Gain Output 31 - 20246
Gain Output 32 - 20374
Gain Output 33 - 20502
Gain Output 34 - 20630
Gain Output 35 - 20758
Gain Output 36 - 20886
Gain Output 37 - 21014
Gain Output 38 - 21142
Gain Output 39 - 21270
Gain Output 40 - 21398
Gain Output 41 - 21526
Gain Output 42 - 21654
Gain Output 43 - 21782
Gain Output 44 - 21910
Gain Output 45 - 22038
Gain Output 46 - 22166
Gain Output 47 - 22294
Gain Output 48 - 22422

Input 24

Gain Output 1 - 16407
Gain Output 2 - 16535
Gain Output 3 - 16663
Gain Output 4 - 16791
Gain Output 5 - 16919
Gain Output 6 - 17047
Gain Output 7 - 17175
Gain Output 8 - 17303
Gain Output 9 - 17431
Gain Output 10 - 17559
Gain Output 11 - 17687
Gain Output 12 - 17815
Gain Output 13 - 17943
Gain Output 14 - 18071
Gain Output 15 - 18199
Gain Output 16 - 18327
Gain Output 17 - 18455
Gain Output 18 - 18583
Gain Output 19 - 18711
Gain Output 20 - 18839
Gain Output 21 - 18967
Gain Output 22 - 19095
Gain Output 23 - 19223
Gain Output 24 - 19351
Gain Output 25 - 19479
Gain Output 26 - 19607
Gain Output 27 - 19735
Gain Output 28 - 19863
Gain Output 29 - 19991
Gain Output 30 - 20119
Gain Output 31 - 20247
Gain Output 32 - 20375
Gain Output 33 - 20503
Gain Output 34 - 20631
Gain Output 35 - 20759
Gain Output 36 - 20887
Gain Output 37 - 21015
Gain Output 38 - 21143
Gain Output 39 - 21271
Gain Output 40 - 21399
Gain Output 41 - 21527
Gain Output 42 - 21655
Gain Output 43 - 21783
Gain Output 44 - 21911
Gain Output 45 - 22039
Gain Output 46 - 22167
Gain Output 47 - 22295
Gain Output 48 - 22423

Input 25

Gain Output 1 - 16408

Gain Output 2 - 16536
Gain Output 3 - 16664
Gain Output 4 - 16792
Gain Output 5 - 16920
Gain Output 6 - 17048
Gain Output 7 - 17176
Gain Output 8 - 17304
Gain Output 9 - 17432
Gain Output 10 - 17560
Gain Output 11 - 17688
Gain Output 12 - 17816
Gain Output 13 - 17944
Gain Output 14 - 18072
Gain Output 15 - 18200
Gain Output 16 - 18328
Gain Output 17 - 18456
Gain Output 18 - 18584
Gain Output 19 - 18712
Gain Output 20 - 18840
Gain Output 21 - 18968
Gain Output 22 - 19096
Gain Output 23 - 19224
Gain Output 24 - 19352
Gain Output 25 - 19480
Gain Output 26 - 19608
Gain Output 27 - 19736
Gain Output 28 - 19864
Gain Output 29 - 19992
Gain Output 30 - 20120
Gain Output 31 - 20248
Gain Output 32 - 20376
Gain Output 33 - 20504
Gain Output 34 - 20632
Gain Output 35 - 20760
Gain Output 36 - 20888
Gain Output 37 - 21016
Gain Output 38 - 21144
Gain Output 39 - 21272
Gain Output 40 - 21400
Gain Output 41 - 21528
Gain Output 42 - 21656
Gain Output 43 - 21784
Gain Output 44 - 21912
Gain Output 45 - 22040
Gain Output 46 - 22168
Gain Output 47 - 22296
Gain Output 48 - 22424

Input 26

Gain Output 1 - 16409
Gain Output 2 - 16537
Gain Output 3 - 16665
Gain Output 4 - 16793
Gain Output 5 - 16921
Gain Output 6 - 17049
Gain Output 7 - 17177
Gain Output 8 - 17305
Gain Output 9 - 17433
Gain Output 10 - 17561
Gain Output 11 - 17689
Gain Output 12 - 17817
Gain Output 13 - 17945
Gain Output 14 - 18073
Gain Output 15 - 18201
Gain Output 16 - 18329
Gain Output 17 - 18457
Gain Output 18 - 18585
Gain Output 19 - 18713
Gain Output 20 - 18841
Gain Output 21 - 18969
Gain Output 22 - 19097
Gain Output 23 - 19225
Gain Output 24 - 19353
Gain Output 25 - 19481
Gain Output 26 - 19609
Gain Output 27 - 19737
Gain Output 28 - 19865
Gain Output 29 - 19993
Gain Output 30 - 20121
Gain Output 31 - 20249
Gain Output 32 - 20377
Gain Output 33 - 20505
Gain Output 34 - 20633
Gain Output 35 - 20761
Gain Output 36 - 20889
Gain Output 37 - 21017
Gain Output 38 - 21145
Gain Output 39 - 21273
Gain Output 40 - 21401
Gain Output 41 - 21529
Gain Output 42 - 21657
Gain Output 43 - 21785
Gain Output 44 - 21913
Gain Output 45 - 22041
Gain Output 46 - 22169
Gain Output 47 - 22297
Gain Output 48 - 22425

Input 27

Gain Output 1 - 16410
Gain Output 2 - 16538
Gain Output 3 - 16666
Gain Output 4 - 16794
Gain Output 5 - 16922
Gain Output 6 - 17050
Gain Output 7 - 17178
Gain Output 8 - 17306
Gain Output 9 - 17434
Gain Output 10 - 17562
Gain Output 11 - 17690
Gain Output 12 - 17818
Gain Output 13 - 17946
Gain Output 14 - 18074
Gain Output 15 - 18202
Gain Output 16 - 18330
Gain Output 17 - 18458
Gain Output 18 - 18586
Gain Output 19 - 18714
Gain Output 20 - 18842
Gain Output 21 - 18970
Gain Output 22 - 19098
Gain Output 23 - 19226
Gain Output 24 - 19354
Gain Output 25 - 19482
Gain Output 26 - 19610
Gain Output 27 - 19738
Gain Output 28 - 19866
Gain Output 29 - 19994
Gain Output 30 - 20122
Gain Output 31 - 20250
Gain Output 32 - 20378
Gain Output 33 - 20506
Gain Output 34 - 20634
Gain Output 35 - 20762
Gain Output 36 - 20890
Gain Output 37 - 21018
Gain Output 38 - 21146
Gain Output 39 - 21274
Gain Output 40 - 21402
Gain Output 41 - 21530
Gain Output 42 - 21658
Gain Output 43 - 21786
Gain Output 44 - 21914
Gain Output 45 - 22042
Gain Output 46 - 22170
Gain Output 47 - 22298
Gain Output 48 - 22426

Input 28

Gain Output 1 - 16411
Gain Output 2 - 16539
Gain Output 3 - 16667
Gain Output 4 - 16795
Gain Output 5 - 16923
Gain Output 6 - 17051
Gain Output 7 - 17179

Gain Output 8 - 17307
Gain Output 9 - 17435
Gain Output 10 - 17563
Gain Output 11 - 17691
Gain Output 12 - 17819
Gain Output 13 - 17947
Gain Output 14 - 18075
Gain Output 15 - 18203
Gain Output 16 - 18331
Gain Output 17 - 18459
Gain Output 18 - 18587
Gain Output 19 - 18715
Gain Output 20 - 18843
Gain Output 21 - 18971
Gain Output 22 - 19099
Gain Output 23 - 19227
Gain Output 24 - 19355
Gain Output 25 - 19483
Gain Output 26 - 19611
Gain Output 27 - 19739
Gain Output 28 - 19867
Gain Output 29 - 19995
Gain Output 30 - 20123
Gain Output 31 - 20251
Gain Output 32 - 20379
Gain Output 33 - 20507
Gain Output 34 - 20635
Gain Output 35 - 20763
Gain Output 36 - 20891
Gain Output 37 - 21019
Gain Output 38 - 21147
Gain Output 39 - 21275
Gain Output 40 - 21403
Gain Output 41 - 21531
Gain Output 42 - 21659
Gain Output 43 - 21787
Gain Output 44 - 21915
Gain Output 45 - 22043
Gain Output 46 - 22171
Gain Output 47 - 22299
Gain Output 48 - 22427

Input 29

Gain Output 1 - 16412
Gain Output 2 - 16540
Gain Output 3 - 16668
Gain Output 4 - 16796
Gain Output 5 - 16924
Gain Output 6 - 17052
Gain Output 7 - 17180
Gain Output 8 - 17308
Gain Output 9 - 17436
Gain Output 10 - 17564
Gain Output 11 - 17692
Gain Output 12 - 17820
Gain Output 13 - 17948
Gain Output 14 - 18076
Gain Output 15 - 18204
Gain Output 16 - 18332
Gain Output 17 - 18460
Gain Output 18 - 18588
Gain Output 19 - 18716
Gain Output 20 - 18844
Gain Output 21 - 18972
Gain Output 22 - 19100
Gain Output 23 - 19228
Gain Output 24 - 19356
Gain Output 25 - 19484
Gain Output 26 - 19612
Gain Output 27 - 19740
Gain Output 28 - 19868
Gain Output 29 - 19996
Gain Output 30 - 20124
Gain Output 31 - 20252
Gain Output 32 - 20380
Gain Output 33 - 20508
Gain Output 34 - 20636
Gain Output 35 - 20764
Gain Output 36 - 20892
Gain Output 37 - 21020
Gain Output 38 - 21148
Gain Output 39 - 21276
Gain Output 40 - 21404
Gain Output 41 - 21532
Gain Output 42 - 21660
Gain Output 43 - 21788
Gain Output 44 - 21916
Gain Output 45 - 22044
Gain Output 46 - 22172
Gain Output 47 - 22300
Gain Output 48 - 22428

Input 30

Gain Output 1 - 16413
Gain Output 2 - 16541
Gain Output 3 - 16669
Gain Output 4 - 16797
Gain Output 5 - 16925
Gain Output 6 - 17053
Gain Output 7 - 17181
Gain Output 8 - 17309
Gain Output 9 - 17437
Gain Output 10 - 17565
Gain Output 11 - 17693
Gain Output 12 - 17821
Gain Output 13 - 17949
Gain Output 14 - 18077
Gain Output 15 - 18205
Gain Output 16 - 18333
Gain Output 17 - 18461
Gain Output 18 - 18589
Gain Output 19 - 18717
Gain Output 20 - 18845
Gain Output 21 - 18973
Gain Output 22 - 19101
Gain Output 23 - 19229
Gain Output 24 - 19357
Gain Output 25 - 19485
Gain Output 26 - 19613
Gain Output 27 - 19741
Gain Output 28 - 19869
Gain Output 29 - 19997
Gain Output 30 - 20125
Gain Output 31 - 20253
Gain Output 32 - 20381
Gain Output 33 - 20509
Gain Output 34 - 20637
Gain Output 35 - 20765
Gain Output 36 - 20893
Gain Output 37 - 21021
Gain Output 38 - 21149
Gain Output 39 - 21277
Gain Output 40 - 21405
Gain Output 41 - 21533
Gain Output 42 - 21661
Gain Output 43 - 21789
Gain Output 44 - 21917
Gain Output 45 - 22045
Gain Output 46 - 22173
Gain Output 47 - 22301
Gain Output 48 - 22429

Input 31

Gain Output 1 - 16414
Gain Output 2 - 16542
Gain Output 3 - 16670
Gain Output 4 - 16798
Gain Output 5 - 16926
Gain Output 6 - 17054
Gain Output 7 - 17182
Gain Output 8 - 17310
Gain Output 9 - 17438
Gain Output 10 - 17566
Gain Output 11 - 17694
Gain Output 12 - 17822
Gain Output 13 - 17950

Gain Output 14 - 18078
Gain Output 15 - 18206
Gain Output 16 - 18334
Gain Output 17 - 18462
Gain Output 18 - 18590
Gain Output 19 - 18718
Gain Output 20 - 18846
Gain Output 21 - 18974
Gain Output 22 - 19102
Gain Output 23 - 19230
Gain Output 24 - 19358
Gain Output 25 - 19486
Gain Output 26 - 19614
Gain Output 27 - 19742
Gain Output 28 - 19870
Gain Output 29 - 19998
Gain Output 30 - 20126
Gain Output 31 - 20254
Gain Output 32 - 20382
Gain Output 33 - 20510
Gain Output 34 - 20638
Gain Output 35 - 20766
Gain Output 36 - 20894
Gain Output 37 - 21022
Gain Output 38 - 21150
Gain Output 39 - 21278
Gain Output 40 - 21406
Gain Output 41 - 21534
Gain Output 42 - 21662
Gain Output 43 - 21790
Gain Output 44 - 21918
Gain Output 45 - 22046
Gain Output 46 - 22174
Gain Output 47 - 22302
Gain Output 48 - 22430

Input 32

Gain Output 1 - 16415
Gain Output 2 - 16543
Gain Output 3 - 16671
Gain Output 4 - 16799
Gain Output 5 - 16927
Gain Output 6 - 17055
Gain Output 7 - 17183
Gain Output 8 - 17311
Gain Output 9 - 17439
Gain Output 10 - 17567
Gain Output 11 - 17695
Gain Output 12 - 17823
Gain Output 13 - 17951
Gain Output 14 - 18079
Gain Output 15 - 18207
Gain Output 16 - 18335
Gain Output 17 - 18463
Gain Output 18 - 18591
Gain Output 19 - 18719
Gain Output 20 - 18847
Gain Output 21 - 18975
Gain Output 22 - 19103
Gain Output 23 - 19231
Gain Output 24 - 19359
Gain Output 25 - 19487
Gain Output 26 - 19615
Gain Output 27 - 19743
Gain Output 28 - 19871
Gain Output 29 - 19999
Gain Output 30 - 20127
Gain Output 31 - 20255
Gain Output 32 - 20383
Gain Output 33 - 20511
Gain Output 34 - 20639
Gain Output 35 - 20767
Gain Output 36 - 20895
Gain Output 37 - 21023
Gain Output 38 - 21151
Gain Output 39 - 21279
Gain Output 40 - 21407
Gain Output 41 - 21535
Gain Output 42 - 21663
Gain Output 43 - 21791
Gain Output 44 - 21919
Gain Output 45 - 22047
Gain Output 46 - 22175
Gain Output 47 - 22303
Gain Output 48 - 22431

Input 33

Gain Output 1 - 16416
Gain Output 2 - 16544
Gain Output 3 - 16672
Gain Output 4 - 16800
Gain Output 5 - 16928
Gain Output 6 - 17056
Gain Output 7 - 17184
Gain Output 8 - 17312
Gain Output 9 - 17440
Gain Output 10 - 17568
Gain Output 11 - 17696
Gain Output 12 - 17824
Gain Output 13 - 17952
Gain Output 14 - 18080
Gain Output 15 - 18208
Gain Output 16 - 18336
Gain Output 17 - 18464
Gain Output 18 - 18592
Gain Output 19 - 18720
Gain Output 20 - 18848
Gain Output 21 - 18976
Gain Output 22 - 19104
Gain Output 23 - 19232
Gain Output 24 - 19360
Gain Output 25 - 19488
Gain Output 26 - 19616
Gain Output 27 - 19744
Gain Output 28 - 19872
Gain Output 29 - 20000
Gain Output 30 - 20128
Gain Output 31 - 20256
Gain Output 32 - 20384
Gain Output 33 - 20512
Gain Output 34 - 20640
Gain Output 35 - 20768
Gain Output 36 - 20896
Gain Output 37 - 21024
Gain Output 38 - 21152
Gain Output 39 - 21280
Gain Output 40 - 21408
Gain Output 41 - 21536
Gain Output 42 - 21664
Gain Output 43 - 21792
Gain Output 44 - 21920
Gain Output 45 - 22048
Gain Output 46 - 22176
Gain Output 47 - 22304
Gain Output 48 - 22432

Input 34

Gain Output 1 - 16417
Gain Output 2 - 16545
Gain Output 3 - 16673
Gain Output 4 - 16801
Gain Output 5 - 16929
Gain Output 6 - 17057
Gain Output 7 - 17185
Gain Output 8 - 17313
Gain Output 9 - 17441
Gain Output 10 - 17569
Gain Output 11 - 17697
Gain Output 12 - 17825
Gain Output 13 - 17953
Gain Output 14 - 18081
Gain Output 15 - 18209
Gain Output 16 - 18337
Gain Output 17 - 18465
Gain Output 18 - 18593
Gain Output 19 - 18721

Gain Output 20 - 18849
Gain Output 21 - 18977
Gain Output 22 - 19105
Gain Output 23 - 19233
Gain Output 24 - 19361
Gain Output 25 - 19489
Gain Output 26 - 19617
Gain Output 27 - 19745
Gain Output 28 - 19873
Gain Output 29 - 20001
Gain Output 30 - 20129
Gain Output 31 - 20257
Gain Output 32 - 20385
Gain Output 33 - 20513
Gain Output 34 - 20641
Gain Output 35 - 20769
Gain Output 36 - 20897
Gain Output 37 - 21025
Gain Output 38 - 21153
Gain Output 39 - 21281
Gain Output 40 - 21409
Gain Output 41 - 21537
Gain Output 42 - 21665
Gain Output 43 - 21793
Gain Output 44 - 21921
Gain Output 45 - 22049
Gain Output 46 - 22177
Gain Output 47 - 22305
Gain Output 48 - 22433

Input 35
Gain Output 1 - 16418
Gain Output 2 - 16546
Gain Output 3 - 16674
Gain Output 4 - 16802
Gain Output 5 - 16930
Gain Output 6 - 17058
Gain Output 7 - 17186
Gain Output 8 - 17314
Gain Output 9 - 17442
Gain Output 10 - 17570
Gain Output 11 - 17698
Gain Output 12 - 17826
Gain Output 13 - 17954
Gain Output 14 - 18082
Gain Output 15 - 18210
Gain Output 16 - 18338
Gain Output 17 - 18466
Gain Output 18 - 18594
Gain Output 19 - 18722
Gain Output 20 - 18850
Gain Output 21 - 18978
Gain Output 22 - 19106
Gain Output 23 - 19234
Gain Output 24 - 19362
Gain Output 25 - 19490
Gain Output 26 - 19618
Gain Output 27 - 19746
Gain Output 28 - 19874
Gain Output 29 - 20002
Gain Output 30 - 20130
Gain Output 31 - 20258
Gain Output 32 - 20386
Gain Output 33 - 20514
Gain Output 34 - 20642
Gain Output 35 - 20770
Gain Output 36 - 20898
Gain Output 37 - 21026
Gain Output 38 - 21154
Gain Output 39 - 21282
Gain Output 40 - 21410
Gain Output 41 - 21538
Gain Output 42 - 21666
Gain Output 43 - 21794
Gain Output 44 - 21922
Gain Output 45 - 22050
Gain Output 46 - 22178
Gain Output 47 - 22306
Gain Output 48 - 22434

Input 36
Gain Output 1 - 16419
Gain Output 2 - 16547
Gain Output 3 - 16675
Gain Output 4 - 16803
Gain Output 5 - 16931
Gain Output 6 - 17059
Gain Output 7 - 17187
Gain Output 8 - 17315
Gain Output 9 - 17443
Gain Output 10 - 17571
Gain Output 11 - 17699
Gain Output 12 - 17827
Gain Output 13 - 17955
Gain Output 14 - 18083
Gain Output 15 - 18211
Gain Output 16 - 18339
Gain Output 17 - 18467
Gain Output 18 - 18595
Gain Output 19 - 18723
Gain Output 20 - 18851
Gain Output 21 - 18979
Gain Output 22 - 19107
Gain Output 23 - 19235
Gain Output 24 - 19363
Gain Output 25 - 19491
Gain Output 26 - 19619
Gain Output 27 - 19747
Gain Output 28 - 19875
Gain Output 29 - 20003
Gain Output 30 - 20131
Gain Output 31 - 20259
Gain Output 32 - 20387
Gain Output 33 - 20515
Gain Output 34 - 20643
Gain Output 35 - 20771
Gain Output 36 - 20899
Gain Output 37 - 21027
Gain Output 38 - 21155
Gain Output 39 - 21283
Gain Output 40 - 21411
Gain Output 41 - 21539
Gain Output 42 - 21667
Gain Output 43 - 21795
Gain Output 44 - 21923
Gain Output 45 - 22051
Gain Output 46 - 22179
Gain Output 47 - 22307
Gain Output 48 - 22435

Input 37
Gain Output 1 - 16420
Gain Output 2 - 16548
Gain Output 3 - 16676
Gain Output 4 - 16804
Gain Output 5 - 16932
Gain Output 6 - 17060
Gain Output 7 - 17188
Gain Output 8 - 17316
Gain Output 9 - 17444
Gain Output 10 - 17572
Gain Output 11 - 17700
Gain Output 12 - 17828
Gain Output 13 - 17956
Gain Output 14 - 18084
Gain Output 15 - 18212
Gain Output 16 - 18340
Gain Output 17 - 18468
Gain Output 18 - 18596
Gain Output 19 - 18724
Gain Output 20 - 18852
Gain Output 21 - 18980
Gain Output 22 - 19108
Gain Output 23 - 19236
Gain Output 24 - 19364
Gain Output 25 - 19492

Gain Output 26 - 19620
Gain Output 27 - 19748
Gain Output 28 - 19876
Gain Output 29 - 20004
Gain Output 30 - 20132
Gain Output 31 - 20260
Gain Output 32 - 20388
Gain Output 33 - 20516
Gain Output 34 - 20644
Gain Output 35 - 20772
Gain Output 36 - 20900
Gain Output 37 - 21028
Gain Output 38 - 21156
Gain Output 39 - 21284
Gain Output 40 - 21412
Gain Output 41 - 21540
Gain Output 42 - 21668
Gain Output 43 - 21796
Gain Output 44 - 21924
Gain Output 45 - 22052
Gain Output 46 - 22180
Gain Output 47 - 22308
Gain Output 48 - 22436

Input 38
Gain Output 1 - 16421
Gain Output 2 - 16549
Gain Output 3 - 16677
Gain Output 4 - 16805
Gain Output 5 - 16933
Gain Output 6 - 17061
Gain Output 7 - 17189
Gain Output 8 - 17317
Gain Output 9 - 17445
Gain Output 10 - 17573
Gain Output 11 - 17701
Gain Output 12 - 17829
Gain Output 13 - 17957
Gain Output 14 - 18085
Gain Output 15 - 18213
Gain Output 16 - 18341
Gain Output 17 - 18469
Gain Output 18 - 18597
Gain Output 19 - 18725
Gain Output 20 - 18853
Gain Output 21 - 18981
Gain Output 22 - 19109
Gain Output 23 - 19237
Gain Output 24 - 19365
Gain Output 25 - 19493
Gain Output 26 - 19621
Gain Output 27 - 19749
Gain Output 28 - 19877
Gain Output 29 - 20005
Gain Output 30 - 20133
Gain Output 31 - 20261
Gain Output 32 - 20389
Gain Output 33 - 20517
Gain Output 34 - 20645
Gain Output 35 - 20773
Gain Output 36 - 20901
Gain Output 37 - 21029
Gain Output 38 - 21157
Gain Output 39 - 21285
Gain Output 40 - 21413
Gain Output 41 - 21541
Gain Output 42 - 21669
Gain Output 43 - 21797
Gain Output 44 - 21925
Gain Output 45 - 22053
Gain Output 46 - 22181
Gain Output 47 - 22309
Gain Output 48 - 22437

Input 39
Gain Output 1 - 16422
Gain Output 2 - 16550
Gain Output 3 - 16678
Gain Output 4 - 16806
Gain Output 5 - 16934
Gain Output 6 - 17062
Gain Output 7 - 17190
Gain Output 8 - 17318
Gain Output 9 - 17446
Gain Output 10 - 17574
Gain Output 11 - 17702
Gain Output 12 - 17830
Gain Output 13 - 17958
Gain Output 14 - 18086
Gain Output 15 - 18214
Gain Output 16 - 18342
Gain Output 17 - 18470
Gain Output 18 - 18598
Gain Output 19 - 18726
Gain Output 20 - 18854
Gain Output 21 - 18982
Gain Output 22 - 19110
Gain Output 23 - 19238
Gain Output 24 - 19366
Gain Output 25 - 19494
Gain Output 26 - 19622
Gain Output 27 - 19750
Gain Output 28 - 19878
Gain Output 29 - 20006
Gain Output 30 - 20134
Gain Output 31 - 20262
Gain Output 32 - 20390
Gain Output 33 - 20518
Gain Output 34 - 20646
Gain Output 35 - 20774
Gain Output 36 - 20902
Gain Output 37 - 21030
Gain Output 38 - 21158
Gain Output 39 - 21286
Gain Output 40 - 21414
Gain Output 41 - 21542
Gain Output 42 - 21670
Gain Output 43 - 21798
Gain Output 44 - 21926
Gain Output 45 - 22054
Gain Output 46 - 22182
Gain Output 47 - 22310
Gain Output 48 - 22438

Input 40
Gain Output 1 - 16423
Gain Output 2 - 16551
Gain Output 3 - 16679
Gain Output 4 - 16807
Gain Output 5 - 16935
Gain Output 6 - 17063
Gain Output 7 - 17191
Gain Output 8 - 17319
Gain Output 9 - 17447
Gain Output 10 - 17575
Gain Output 11 - 17703
Gain Output 12 - 17831
Gain Output 13 - 17959
Gain Output 14 - 18087
Gain Output 15 - 18215
Gain Output 16 - 18343
Gain Output 17 - 18471
Gain Output 18 - 18599
Gain Output 19 - 18727
Gain Output 20 - 18855
Gain Output 21 - 18983
Gain Output 22 - 19111
Gain Output 23 - 19239
Gain Output 24 - 19367
Gain Output 25 - 19495
Gain Output 26 - 19623
Gain Output 27 - 19751
Gain Output 28 - 19879
Gain Output 29 - 20007
Gain Output 30 - 20135
Gain Output 31 - 20263

Gain Output 32 - 20391
Gain Output 33 - 20519
Gain Output 34 - 20647
Gain Output 35 - 20775
Gain Output 36 - 20903
Gain Output 37 - 21031
Gain Output 38 - 21159
Gain Output 39 - 21287
Gain Output 40 - 21415
Gain Output 41 - 21543
Gain Output 42 - 21671
Gain Output 43 - 21799
Gain Output 44 - 21927
Gain Output 45 - 22055
Gain Output 46 - 22183
Gain Output 47 - 22311
Gain Output 48 - 22439

Input 41
Gain Output 1 - 16424
Gain Output 2 - 16552
Gain Output 3 - 16680
Gain Output 4 - 16808
Gain Output 5 - 16936
Gain Output 6 - 17064
Gain Output 7 - 17192
Gain Output 8 - 17320
Gain Output 9 - 17448
Gain Output 10 - 17576
Gain Output 11 - 17704
Gain Output 12 - 17832
Gain Output 13 - 17960
Gain Output 14 - 18088
Gain Output 15 - 18216
Gain Output 16 - 18344
Gain Output 17 - 18472
Gain Output 18 - 18600
Gain Output 19 - 18728
Gain Output 20 - 18856
Gain Output 21 - 18984
Gain Output 22 - 19112
Gain Output 23 - 19240
Gain Output 24 - 19368
Gain Output 25 - 19496
Gain Output 26 - 19624
Gain Output 27 - 19752
Gain Output 28 - 19880
Gain Output 29 - 20008
Gain Output 30 - 20136
Gain Output 31 - 20264
Gain Output 32 - 20392
Gain Output 33 - 20520
Gain Output 34 - 20648
Gain Output 35 - 20776
Gain Output 36 - 20904
Gain Output 37 - 21032
Gain Output 38 - 21160
Gain Output 39 - 21288
Gain Output 40 - 21416
Gain Output 41 - 21544
Gain Output 42 - 21672
Gain Output 43 - 21800
Gain Output 44 - 21928
Gain Output 45 - 22056
Gain Output 46 - 22184
Gain Output 47 - 22312
Gain Output 48 - 22440

Input 42
Gain Output 1 - 16425
Gain Output 2 - 16553
Gain Output 3 - 16681
Gain Output 4 - 16809
Gain Output 5 - 16937
Gain Output 6 - 17065
Gain Output 7 - 17193
Gain Output 8 - 17321
Gain Output 9 - 17449
Gain Output 10 - 17577
Gain Output 11 - 17705
Gain Output 12 - 17833
Gain Output 13 - 17961
Gain Output 14 - 18089
Gain Output 15 - 18217
Gain Output 16 - 18345
Gain Output 17 - 18473
Gain Output 18 - 18601
Gain Output 19 - 18729
Gain Output 20 - 18857
Gain Output 21 - 18985
Gain Output 22 - 19113
Gain Output 23 - 19241
Gain Output 24 - 19369
Gain Output 25 - 19497
Gain Output 26 - 19625
Gain Output 27 - 19753
Gain Output 28 - 19881
Gain Output 29 - 20009
Gain Output 30 - 20137
Gain Output 31 - 20265
Gain Output 32 - 20393
Gain Output 33 - 20521
Gain Output 34 - 20649
Gain Output 35 - 20777
Gain Output 36 - 20905
Gain Output 37 - 21033
Gain Output 38 - 21161
Gain Output 39 - 21289
Gain Output 40 - 21417
Gain Output 41 - 21545
Gain Output 42 - 21673
Gain Output 43 - 21801
Gain Output 44 - 21929
Gain Output 45 - 22057
Gain Output 46 - 22185
Gain Output 47 - 22313
Gain Output 48 - 22441

Input 43
Gain Output 1 - 16426
Gain Output 2 - 16554
Gain Output 3 - 16682
Gain Output 4 - 16810
Gain Output 5 - 16938
Gain Output 6 - 17066
Gain Output 7 - 17194
Gain Output 8 - 17322
Gain Output 9 - 17450
Gain Output 10 - 17578
Gain Output 11 - 17706
Gain Output 12 - 17834
Gain Output 13 - 17962
Gain Output 14 - 18090
Gain Output 15 - 18218
Gain Output 16 - 18346
Gain Output 17 - 18474
Gain Output 18 - 18602
Gain Output 19 - 18730
Gain Output 20 - 18858
Gain Output 21 - 18986
Gain Output 22 - 19114
Gain Output 23 - 19242
Gain Output 24 - 19370
Gain Output 25 - 19498
Gain Output 26 - 19626
Gain Output 27 - 19754
Gain Output 28 - 19882
Gain Output 29 - 20010
Gain Output 30 - 20138
Gain Output 31 - 20266
Gain Output 32 - 20394
Gain Output 33 - 20522
Gain Output 34 - 20650
Gain Output 35 - 20778
Gain Output 36 - 20906
Gain Output 37 - 21034

Gain Output 38 - 21162
Gain Output 39 - 21290
Gain Output 40 - 21418
Gain Output 41 - 21546
Gain Output 42 - 21674
Gain Output 43 - 21802
Gain Output 44 - 21930
Gain Output 45 - 22058
Gain Output 46 - 22186
Gain Output 47 - 22314
Gain Output 48 - 22442

Input 44
Gain Output 1 - 16427
Gain Output 2 - 16555
Gain Output 3 - 16683
Gain Output 4 - 16811
Gain Output 5 - 16939
Gain Output 6 - 17067
Gain Output 7 - 17195
Gain Output 8 - 17323
Gain Output 9 - 17451
Gain Output 10 - 17579
Gain Output 11 - 17707
Gain Output 12 - 17835
Gain Output 13 - 17963
Gain Output 14 - 18091
Gain Output 15 - 18219
Gain Output 16 - 18347
Gain Output 17 - 18475
Gain Output 18 - 18603
Gain Output 19 - 18731
Gain Output 20 - 18859
Gain Output 21 - 18987
Gain Output 22 - 19115
Gain Output 23 - 19243
Gain Output 24 - 19371
Gain Output 25 - 19499
Gain Output 26 - 19627
Gain Output 27 - 19755
Gain Output 28 - 19883
Gain Output 29 - 20011
Gain Output 30 - 20139
Gain Output 31 - 20267
Gain Output 32 - 20395
Gain Output 33 - 20523
Gain Output 34 - 20651
Gain Output 35 - 20779
Gain Output 36 - 20907
Gain Output 37 - 21035
Gain Output 38 - 21163
Gain Output 39 - 21291
Gain Output 40 - 21419
Gain Output 41 - 21547
Gain Output 42 - 21675
Gain Output 43 - 21803
Gain Output 44 - 21931
Gain Output 45 - 22059
Gain Output 46 - 22187
Gain Output 47 - 22315
Gain Output 48 - 22443

Input 45
Gain Output 1 - 16428
Gain Output 2 - 16556
Gain Output 3 - 16684
Gain Output 4 - 16812
Gain Output 5 - 16940
Gain Output 6 - 17068
Gain Output 7 - 17196
Gain Output 8 - 17324
Gain Output 9 - 17452
Gain Output 10 - 17580
Gain Output 11 - 17708
Gain Output 12 - 17836
Gain Output 13 - 17964
Gain Output 14 - 18092
Gain Output 15 - 18220
Gain Output 16 - 18348
Gain Output 17 - 18476
Gain Output 18 - 18604
Gain Output 19 - 18732
Gain Output 20 - 18860
Gain Output 21 - 18988
Gain Output 22 - 19116
Gain Output 23 - 19244
Gain Output 24 - 19372
Gain Output 25 - 19500
Gain Output 26 - 19628
Gain Output 27 - 19756
Gain Output 28 - 19884
Gain Output 29 - 20012
Gain Output 30 - 20140
Gain Output 31 - 20268
Gain Output 32 - 20396
Gain Output 33 - 20524
Gain Output 34 - 20652
Gain Output 35 - 20780
Gain Output 36 - 20908
Gain Output 37 - 21036
Gain Output 38 - 21164
Gain Output 39 - 21292
Gain Output 40 - 21420
Gain Output 41 - 21548
Gain Output 42 - 21676
Gain Output 43 - 21804
Gain Output 44 - 21932
Gain Output 45 - 22060
Gain Output 46 - 22188
Gain Output 47 - 22316
Gain Output 48 - 22444

Input 46
Gain Output 1 - 16429
Gain Output 2 - 16557
Gain Output 3 - 16685
Gain Output 4 - 16813
Gain Output 5 - 16941
Gain Output 6 - 17069
Gain Output 7 - 17197
Gain Output 8 - 17325
Gain Output 9 - 17453
Gain Output 10 - 17581
Gain Output 11 - 17709
Gain Output 12 - 17837
Gain Output 13 - 17965
Gain Output 14 - 18093
Gain Output 15 - 18221
Gain Output 16 - 18349
Gain Output 17 - 18477
Gain Output 18 - 18605
Gain Output 19 - 18733
Gain Output 20 - 18861
Gain Output 21 - 18989
Gain Output 22 - 19117
Gain Output 23 - 19245
Gain Output 24 - 19373
Gain Output 25 - 19501
Gain Output 26 - 19629
Gain Output 27 - 19757
Gain Output 28 - 19885
Gain Output 29 - 20013
Gain Output 30 - 20141
Gain Output 31 - 20269
Gain Output 32 - 20397
Gain Output 33 - 20525
Gain Output 34 - 20653
Gain Output 35 - 20781
Gain Output 36 - 20909
Gain Output 37 - 21037
Gain Output 38 - 21165
Gain Output 39 - 21293
Gain Output 40 - 21421
Gain Output 41 - 21549
Gain Output 42 - 21677
Gain Output 43 - 21805

Gain Output 44 - 21933
Gain Output 45 - 22061
Gain Output 46 - 22189
Gain Output 47 - 22317
Gain Output 48 - 22445

Input 47
Gain Output 1 - 16430
Gain Output 2 - 16558
Gain Output 3 - 16686
Gain Output 4 - 16814
Gain Output 5 - 16942
Gain Output 6 - 17070
Gain Output 7 - 17198
Gain Output 8 - 17326
Gain Output 9 - 17454
Gain Output 10 - 17582
Gain Output 11 - 17710
Gain Output 12 - 17838
Gain Output 13 - 17966
Gain Output 14 - 18094
Gain Output 15 - 18222
Gain Output 16 - 18350
Gain Output 17 - 18478
Gain Output 18 - 18606
Gain Output 19 - 18734
Gain Output 20 - 18862
Gain Output 21 - 18990
Gain Output 22 - 19118
Gain Output 23 - 19246
Gain Output 24 - 19374
Gain Output 25 - 19502
Gain Output 26 - 19630
Gain Output 27 - 19758
Gain Output 28 - 19886
Gain Output 29 - 20014
Gain Output 30 - 20142
Gain Output 31 - 20270
Gain Output 32 - 20398
Gain Output 33 - 20526
Gain Output 34 - 20654
Gain Output 35 - 20782
Gain Output 36 - 20910
Gain Output 37 - 21038
Gain Output 38 - 21166
Gain Output 39 - 21294
Gain Output 40 - 21422
Gain Output 41 - 21550
Gain Output 42 - 21678
Gain Output 43 - 21806
Gain Output 44 - 21934
Gain Output 45 - 22062
Gain Output 46 - 22190
Gain Output 47 - 22318
Gain Output 48 - 22446

Input 48
Gain Output 1 - 16431
Gain Output 2 - 16559
Gain Output 3 - 16687
Gain Output 4 - 16815
Gain Output 5 - 16943
Gain Output 6 - 17071
Gain Output 7 - 17199
Gain Output 8 - 17327
Gain Output 9 - 17455
Gain Output 10 - 17583
Gain Output 11 - 17711
Gain Output 12 - 17839
Gain Output 13 - 17967
Gain Output 14 - 18095
Gain Output 15 - 18223
Gain Output 16 - 18351
Gain Output 17 - 18479
Gain Output 18 - 18607
Gain Output 19 - 18735
Gain Output 20 - 18863
Gain Output 21 - 18991
Gain Output 22 - 19119
Gain Output 23 - 19247
Gain Output 24 - 19375
Gain Output 25 - 19503
Gain Output 26 - 19631
Gain Output 27 - 19759
Gain Output 28 - 19887
Gain Output 29 - 20015
Gain Output 30 - 20143
Gain Output 31 - 20271
Gain Output 32 - 20399
Gain Output 33 - 20527
Gain Output 34 - 20655
Gain Output 35 - 20783
Gain Output 36 - 20911
Gain Output 37 - 21039
Gain Output 38 - 21167
Gain Output 39 - 21295
Gain Output 40 - 21423
Gain Output 41 - 21551
Gain Output 42 - 21679
Gain Output 43 - 21807
Gain Output 44 - 21935
Gain Output 45 - 22063
Gain Output 46 - 22191
Gain Output 47 - 22319
Gain Output 48 - 22447

Input 1
On/Off Output 1 - 0
On/Off Output 2 - 128
On/Off Output 3 - 256
On/Off Output 4 - 384
On/Off Output 5 - 512
On/Off Output 6 - 640
On/Off Output 7 - 768
On/Off Output 8 - 896
On/Off Output 9 - 1024
On/Off Output 10 - 1152
On/Off Output 11 - 1280
On/Off Output 12 - 1408
On/Off Output 13 - 1536
On/Off Output 14 - 1664
On/Off Output 15 - 1792
On/Off Output 16 - 1920
On/Off Output 17 - 2048
On/Off Output 18 - 2176
On/Off Output 19 - 2304
On/Off Output 20 - 2432
On/Off Output 21 - 2560
On/Off Output 22 - 2688
On/Off Output 23 - 2816
On/Off Output 24 - 2944
On/Off Output 25 - 3072
On/Off Output 26 - 3200
On/Off Output 27 - 3328
On/Off Output 28 - 3456
On/Off Output 29 - 3584
On/Off Output 30 - 3712
On/Off Output 31 - 3840
On/Off Output 32 - 3968
On/Off Output 33 - 4096
On/Off Output 34 - 4224
On/Off Output 35 - 4352
On/Off Output 36 - 4480
On/Off Output 37 - 4608
On/Off Output 38 - 4736
On/Off Output 39 - 4864
On/Off Output 40 - 4992
On/Off Output 41 - 5120
On/Off Output 42 - 5248
On/Off Output 43 - 5376
On/Off Output 44 - 5504
On/Off Output 45 - 5632
On/Off Output 46 - 5760
On/Off Output 47 - 5888
On/Off Output 48 - 6016

Input 2
- On/Off Output 1 - 1
- On/Off Output 2 - 129
- On/Off Output 3 - 257
- On/Off Output 4 - 385
- On/Off Output 5 - 513
- On/Off Output 6 - 641
- On/Off Output 7 - 769
- On/Off Output 8 - 897
- On/Off Output 9 - 1025
- On/Off Output 10 - 1153
- On/Off Output 11 - 1281
- On/Off Output 12 - 1409
- On/Off Output 13 - 1537
- On/Off Output 14 - 1665
- On/Off Output 15 - 1793
- On/Off Output 16 - 1921
- On/Off Output 17 - 2049
- On/Off Output 18 - 2177
- On/Off Output 19 - 2305
- On/Off Output 20 - 2433
- On/Off Output 21 - 2561
- On/Off Output 22 - 2689
- On/Off Output 23 - 2817
- On/Off Output 24 - 2945
- On/Off Output 25 - 3073
- On/Off Output 26 - 3201
- On/Off Output 27 - 3329
- On/Off Output 28 - 3457
- On/Off Output 29 - 3585
- On/Off Output 30 - 3713
- On/Off Output 31 - 3841
- On/Off Output 32 - 3969
- On/Off Output 33 - 4097
- On/Off Output 34 - 4225
- On/Off Output 35 - 4353
- On/Off Output 36 - 4481
- On/Off Output 37 - 4609
- On/Off Output 38 - 4737
- On/Off Output 39 - 4865
- On/Off Output 40 - 4993
- On/Off Output 41 - 5121
- On/Off Output 42 - 5249
- On/Off Output 43 - 5377
- On/Off Output 44 - 5505
- On/Off Output 45 - 5633
- On/Off Output 46 - 5761
- On/Off Output 47 - 5889
- On/Off Output 48 - 6017

Input 3
- On/Off Output 1 - 2
- On/Off Output 2 - 130
- On/Off Output 3 - 258
- On/Off Output 4 - 386
- On/Off Output 5 - 514
- On/Off Output 6 - 642
- On/Off Output 7 - 770
- On/Off Output 8 - 898
- On/Off Output 9 - 1026
- On/Off Output 10 - 1154
- On/Off Output 11 - 1282
- On/Off Output 12 - 1410
- On/Off Output 13 - 1538
- On/Off Output 14 - 1666
- On/Off Output 15 - 1794
- On/Off Output 16 - 1922
- On/Off Output 17 - 2050
- On/Off Output 18 - 2178
- On/Off Output 19 - 2306
- On/Off Output 20 - 2434
- On/Off Output 21 - 2562
- On/Off Output 22 - 2690
- On/Off Output 23 - 2818
- On/Off Output 24 - 2946
- On/Off Output 25 - 3074
- On/Off Output 26 - 3202
- On/Off Output 27 - 3330
- On/Off Output 28 - 3458
- On/Off Output 29 - 3586
- On/Off Output 30 - 3714
- On/Off Output 31 - 3842
- On/Off Output 32 - 3970
- On/Off Output 33 - 4098
- On/Off Output 34 - 4226
- On/Off Output 35 - 4354
- On/Off Output 36 - 4482
- On/Off Output 37 - 4610
- On/Off Output 38 - 4738
- On/Off Output 39 - 4866
- On/Off Output 40 - 4994
- On/Off Output 41 - 5122
- On/Off Output 42 - 5250
- On/Off Output 43 - 5378
- On/Off Output 44 - 5506
- On/Off Output 45 - 5634
- On/Off Output 46 - 5762
- On/Off Output 47 - 5890
- On/Off Output 48 - 6018

Input 4
- On/Off Output 1 - 3
- On/Off Output 2 - 131
- On/Off Output 3 - 259
- On/Off Output 4 - 387
- On/Off Output 5 - 515
- On/Off Output 6 - 643
- On/Off Output 7 - 771
- On/Off Output 8 - 899
- On/Off Output 9 - 1027
- On/Off Output 10 - 1155
- On/Off Output 11 - 1283
- On/Off Output 12 - 1411
- On/Off Output 13 - 1539
- On/Off Output 14 - 1667
- On/Off Output 15 - 1795
- On/Off Output 16 - 1923
- On/Off Output 17 - 2051
- On/Off Output 18 - 2179
- On/Off Output 19 - 2307
- On/Off Output 20 - 2435
- On/Off Output 21 - 2563
- On/Off Output 22 - 2691
- On/Off Output 23 - 2819
- On/Off Output 24 - 2947
- On/Off Output 25 - 3075
- On/Off Output 26 - 3203
- On/Off Output 27 - 3331
- On/Off Output 28 - 3459
- On/Off Output 29 - 3587
- On/Off Output 30 - 3715
- On/Off Output 31 - 3843
- On/Off Output 32 - 3971
- On/Off Output 33 - 4099
- On/Off Output 34 - 4227
- On/Off Output 35 - 4355
- On/Off Output 36 - 4483
- On/Off Output 37 - 4611
- On/Off Output 38 - 4739
- On/Off Output 39 - 4867
- On/Off Output 40 - 4995
- On/Off Output 41 - 5123
- On/Off Output 42 - 5251
- On/Off Output 43 - 5379
- On/Off Output 44 - 5507
- On/Off Output 45 - 5635
- On/Off Output 46 - 5763
- On/Off Output 47 - 5891
- On/Off Output 48 - 6019

Input 5
- On/Off Output 1 - 4
- On/Off Output 2 - 132
- On/Off Output 3 - 260
- On/Off Output 4 - 388
- On/Off Output 5 - 516

On/Off Output 6 - 644
On/Off Output 7 - 772
On/Off Output 8 - 900
On/Off Output 9 - 1028
On/Off Output 10 - 1156
On/Off Output 11 - 1284
On/Off Output 12 - 1412
On/Off Output 13 - 1540
On/Off Output 14 - 1668
On/Off Output 15 - 1796
On/Off Output 16 - 1924
On/Off Output 17 - 2052
On/Off Output 18 - 2180
On/Off Output 19 - 2308
On/Off Output 20 - 2436
On/Off Output 21 - 2564
On/Off Output 22 - 2692
On/Off Output 23 - 2820
On/Off Output 24 - 2948
On/Off Output 25 - 3076
On/Off Output 26 - 3204
On/Off Output 27 - 3332
On/Off Output 28 - 3460
On/Off Output 29 - 3588
On/Off Output 30 - 3716
On/Off Output 31 - 3844
On/Off Output 32 - 3972
On/Off Output 33 - 4100
On/Off Output 34 - 4228
On/Off Output 35 - 4356
On/Off Output 36 - 4484
On/Off Output 37 - 4612
On/Off Output 38 - 4740
On/Off Output 39 - 4868
On/Off Output 40 - 4996
On/Off Output 41 - 5124
On/Off Output 42 - 5252
On/Off Output 43 - 5380
On/Off Output 44 - 5508
On/Off Output 45 - 5636
On/Off Output 46 - 5764
On/Off Output 47 - 5892
On/Off Output 48 - 6020

Input 6

On/Off Output 1 - 5
On/Off Output 2 - 133
On/Off Output 3 - 261
On/Off Output 4 - 389
On/Off Output 5 - 517
On/Off Output 6 - 645
On/Off Output 7 - 773
On/Off Output 8 - 901
On/Off Output 9 - 1029
On/Off Output 10 - 1157
On/Off Output 11 - 1285
On/Off Output 12 - 1413
On/Off Output 13 - 1541
On/Off Output 14 - 1669
On/Off Output 15 - 1797
On/Off Output 16 - 1925
On/Off Output 17 - 2053
On/Off Output 18 - 2181
On/Off Output 19 - 2309
On/Off Output 20 - 2437
On/Off Output 21 - 2565
On/Off Output 22 - 2693
On/Off Output 23 - 2821
On/Off Output 24 - 2949
On/Off Output 25 - 3077
On/Off Output 26 - 3205
On/Off Output 27 - 3333
On/Off Output 28 - 3461
On/Off Output 29 - 3589
On/Off Output 30 - 3717
On/Off Output 31 - 3845
On/Off Output 32 - 3973
On/Off Output 33 - 4101
On/Off Output 34 - 4229
On/Off Output 35 - 4357
On/Off Output 36 - 4485
On/Off Output 37 - 4613
On/Off Output 38 - 4741
On/Off Output 39 - 4869
On/Off Output 40 - 4997
On/Off Output 41 - 5125
On/Off Output 42 - 5253
On/Off Output 43 - 5381
On/Off Output 44 - 5509
On/Off Output 45 - 5637
On/Off Output 46 - 5765
On/Off Output 47 - 5893
On/Off Output 48 - 6021

Input 7

On/Off Output 1 - 6
On/Off Output 2 - 134
On/Off Output 3 - 262
On/Off Output 4 - 390
On/Off Output 5 - 518
On/Off Output 6 - 646
On/Off Output 7 - 774
On/Off Output 8 - 902
On/Off Output 9 - 1030
On/Off Output 10 - 1158
On/Off Output 11 - 1286
On/Off Output 12 - 1414
On/Off Output 13 - 1542
On/Off Output 14 - 1670
On/Off Output 15 - 1798
On/Off Output 16 - 1926
On/Off Output 17 - 2054
On/Off Output 18 - 2182
On/Off Output 19 - 2310
On/Off Output 20 - 2438
On/Off Output 21 - 2566
On/Off Output 22 - 2694
On/Off Output 23 - 2822
On/Off Output 24 - 2950
On/Off Output 25 - 3078
On/Off Output 26 - 3206
On/Off Output 27 - 3334
On/Off Output 28 - 3462
On/Off Output 29 - 3590
On/Off Output 30 - 3718
On/Off Output 31 - 3846
On/Off Output 32 - 3974
On/Off Output 33 - 4102
On/Off Output 34 - 4230
On/Off Output 35 - 4358
On/Off Output 36 - 4486
On/Off Output 37 - 4614
On/Off Output 38 - 4742
On/Off Output 39 - 4870
On/Off Output 40 - 4998
On/Off Output 41 - 5126
On/Off Output 42 - 5254
On/Off Output 43 - 5382
On/Off Output 44 - 5510
On/Off Output 45 - 5638
On/Off Output 46 - 5766
On/Off Output 47 - 5894
On/Off Output 48 - 6022

Input 8

On/Off Output 1 - 7
On/Off Output 2 - 135
On/Off Output 3 - 263
On/Off Output 4 - 391
On/Off Output 5 - 519
On/Off Output 6 - 647
On/Off Output 7 - 775
On/Off Output 8 - 903
On/Off Output 9 - 1031
On/Off Output 10 - 1159
On/Off Output 11 - 1287

On/Off Output 12 - 1415
On/Off Output 13 - 1543
On/Off Output 14 - 1671
On/Off Output 15 - 1799
On/Off Output 16 - 1927
On/Off Output 17 - 2055
On/Off Output 18 - 2183
On/Off Output 19 - 2311
On/Off Output 20 - 2439
On/Off Output 21 - 2567
On/Off Output 22 - 2695
On/Off Output 23 - 2823
On/Off Output 24 - 2951
On/Off Output 25 - 3079
On/Off Output 26 - 3207
On/Off Output 27 - 3335
On/Off Output 28 - 3463
On/Off Output 29 - 3591
On/Off Output 30 - 3719
On/Off Output 31 - 3847
On/Off Output 32 - 3975
On/Off Output 33 - 4103
On/Off Output 34 - 4231
On/Off Output 35 - 4359
On/Off Output 36 - 4487
On/Off Output 37 - 4615
On/Off Output 38 - 4743
On/Off Output 39 - 4871
On/Off Output 40 - 4999
On/Off Output 41 - 5127
On/Off Output 42 - 5255
On/Off Output 43 - 5383
On/Off Output 44 - 5511
On/Off Output 45 - 5639
On/Off Output 46 - 5767
On/Off Output 47 - 5895
On/Off Output 48 – 6023

Input 9

On/Off Output 1 - 8
On/Off Output 2 - 136
On/Off Output 3 - 264
On/Off Output 4 - 392
On/Off Output 5 - 520
On/Off Output 6 - 648
On/Off Output 7 - 776
On/Off Output 8 - 904
On/Off Output 9 - 1032
On/Off Output 10 - 1160
On/Off Output 11 - 1288
On/Off Output 12 - 1416
On/Off Output 13 - 1544
On/Off Output 14 - 1672
On/Off Output 15 - 1800
On/Off Output 16 - 1928
On/Off Output 17 - 2056
On/Off Output 18 - 2184
On/Off Output 19 - 2312
On/Off Output 20 - 2440
On/Off Output 21 - 2568
On/Off Output 22 - 2696
On/Off Output 23 - 2824
On/Off Output 24 - 2952
On/Off Output 25 - 3080
On/Off Output 26 - 3208
On/Off Output 27 - 3336
On/Off Output 28 - 3464
On/Off Output 29 - 3592
On/Off Output 30 - 3720
On/Off Output 31 - 3848
On/Off Output 32 - 3976
On/Off Output 33 - 4104
On/Off Output 34 - 4232
On/Off Output 35 - 4360
On/Off Output 36 - 4488
On/Off Output 37 - 4616
On/Off Output 38 - 4744
On/Off Output 39 - 4872
On/Off Output 40 - 5000
On/Off Output 41 - 5128
On/Off Output 42 - 5256
On/Off Output 43 - 5384
On/Off Output 44 - 5512
On/Off Output 45 - 5640
On/Off Output 46 - 5768
On/Off Output 47 - 5896
On/Off Output 48 - 6024

Input 10

On/Off Output 1 - 9
On/Off Output 2 - 137
On/Off Output 3 - 265
On/Off Output 4 - 393
On/Off Output 5 - 521
On/Off Output 6 - 649
On/Off Output 7 - 777
On/Off Output 8 - 905
On/Off Output 9 - 1033
On/Off Output 10 - 1161
On/Off Output 11 - 1289
On/Off Output 12 - 1417
On/Off Output 13 - 1545
On/Off Output 14 - 1673
On/Off Output 15 - 1801
On/Off Output 16 - 1929
On/Off Output 17 - 2057
On/Off Output 18 - 2185
On/Off Output 19 - 2313
On/Off Output 20 - 2441
On/Off Output 21 - 2569
On/Off Output 22 - 2697
On/Off Output 23 - 2825
On/Off Output 24 - 2953
On/Off Output 25 - 3081
On/Off Output 26 - 3209
On/Off Output 27 - 3337
On/Off Output 28 - 3465
On/Off Output 29 - 3593
On/Off Output 30 - 3721
On/Off Output 31 - 3849
On/Off Output 32 - 3977
On/Off Output 33 - 4105
On/Off Output 34 - 4233
On/Off Output 35 - 4361
On/Off Output 36 - 4489
On/Off Output 37 - 4617
On/Off Output 38 - 4745
On/Off Output 39 - 4873
On/Off Output 40 - 5001
On/Off Output 41 - 5129
On/Off Output 42 - 5257
On/Off Output 43 - 5385
On/Off Output 44 - 5513
On/Off Output 45 - 5641
On/Off Output 46 - 5769
On/Off Output 47 - 5897
On/Off Output 48 - 6025

Input 11

On/Off Output 1 - 10
On/Off Output 2 - 138
On/Off Output 3 - 266
On/Off Output 4 - 394
On/Off Output 5 - 522
On/Off Output 6 - 650
On/Off Output 7 - 778
On/Off Output 8 - 906
On/Off Output 9 - 1034
On/Off Output 10 - 1162
On/Off Output 11 - 1290
On/Off Output 12 - 1418
On/Off Output 13 - 1546
On/Off Output 14 - 1674
On/Off Output 15 - 1802
On/Off Output 16 - 1930
On/Off Output 17 - 2058
On/Off Output 18 - 2186

On/Off Output 19 - 2314
On/Off Output 20 - 2442
On/Off Output 21 - 2570
On/Off Output 22 - 2698
On/Off Output 23 - 2826
On/Off Output 24 - 2954
On/Off Output 25 - 3082
On/Off Output 26 - 3210
On/Off Output 27 - 3338
On/Off Output 28 - 3466
On/Off Output 29 - 3594
On/Off Output 30 - 3722
On/Off Output 31 - 3850
On/Off Output 32 - 3978
On/Off Output 33 - 4106
On/Off Output 34 - 4234
On/Off Output 35 - 4362
On/Off Output 36 - 4490
On/Off Output 37 - 4618
On/Off Output 38 - 4746
On/Off Output 39 - 4874
On/Off Output 40 - 5002
On/Off Output 41 - 5130
On/Off Output 42 - 5258
On/Off Output 43 - 5386
On/Off Output 44 - 5514
On/Off Output 45 - 5642
On/Off Output 46 - 5770
On/Off Output 47 - 5898
On/Off Output 48 – 6026

Input 12

On/Off Output 1 - 11
On/Off Output 2 - 139
On/Off Output 3 - 267
On/Off Output 4 - 395
On/Off Output 5 - 523
On/Off Output 6 - 651
On/Off Output 7 - 779
On/Off Output 8 - 907
On/Off Output 9 - 1035
On/Off Output 10 - 1163
On/Off Output 11 - 1291
On/Off Output 12 - 1419
On/Off Output 13 - 1547
On/Off Output 14 - 1675
On/Off Output 15 - 1803
On/Off Output 16 - 1931
On/Off Output 17 - 2059
On/Off Output 18 - 2187
On/Off Output 19 - 2315
On/Off Output 20 - 2443
On/Off Output 21 - 2571
On/Off Output 22 - 2699
On/Off Output 23 - 2827
On/Off Output 24 - 2955
On/Off Output 25 - 3083
On/Off Output 26 - 3211
On/Off Output 27 - 3339
On/Off Output 28 - 3467
On/Off Output 29 - 3595
On/Off Output 30 - 3723
On/Off Output 31 - 3851
On/Off Output 32 - 3979
On/Off Output 33 - 4107
On/Off Output 34 - 4235
On/Off Output 35 - 4363
On/Off Output 36 - 4491
On/Off Output 37 - 4619
On/Off Output 38 - 4747
On/Off Output 39 - 4875
On/Off Output 40 - 5003
On/Off Output 41 - 5131
On/Off Output 42 - 5259
On/Off Output 43 - 5387
On/Off Output 44 - 5515
On/Off Output 45 - 5643
On/Off Output 46 - 5771
On/Off Output 47 - 5899
On/Off Output 48 - 6027

Input 13

On/Off Output 1 - 12
On/Off Output 2 - 140
On/Off Output 3 - 268
On/Off Output 4 - 396
On/Off Output 5 - 524
On/Off Output 6 - 652
On/Off Output 7 - 780
On/Off Output 8 - 908
On/Off Output 9 - 1036
On/Off Output 10 - 1164
On/Off Output 11 - 1292
On/Off Output 12 - 1420
On/Off Output 13 - 1548
On/Off Output 14 - 1676
On/Off Output 15 - 1804
On/Off Output 16 - 1932
On/Off Output 17 - 2060
On/Off Output 18 - 2188
On/Off Output 19 - 2316
On/Off Output 20 - 2444
On/Off Output 21 - 2572
On/Off Output 22 - 2700
On/Off Output 23 - 2828
On/Off Output 24 - 2956
On/Off Output 25 - 3084
On/Off Output 26 - 3212
On/Off Output 27 - 3340
On/Off Output 28 - 3468
On/Off Output 29 - 3596
On/Off Output 30 - 3724
On/Off Output 31 - 3852
On/Off Output 32 - 3980
On/Off Output 33 - 4108
On/Off Output 34 - 4236
On/Off Output 35 - 4364
On/Off Output 36 - 4492
On/Off Output 37 - 4620
On/Off Output 38 - 4748
On/Off Output 39 - 4876
On/Off Output 40 - 5004
On/Off Output 41 - 5132
On/Off Output 42 - 5260
On/Off Output 43 - 5388
On/Off Output 44 - 5516
On/Off Output 45 - 5644
On/Off Output 46 - 5772
On/Off Output 47 - 5900
On/Off Output 48 - 6028

Input 14

On/Off Output 1 - 13
On/Off Output 2 - 141
On/Off Output 3 - 269
On/Off Output 4 - 397
On/Off Output 5 - 525
On/Off Output 6 - 653
On/Off Output 7 - 781
On/Off Output 8 - 909
On/Off Output 9 - 1037
On/Off Output 10 - 1165
On/Off Output 11 - 1293
On/Off Output 12 - 1421
On/Off Output 13 - 1549
On/Off Output 14 - 1677
On/Off Output 15 - 1805
On/Off Output 16 - 1933
On/Off Output 17 - 2061
On/Off Output 18 - 2189
On/Off Output 19 - 2317
On/Off Output 20 - 2445
On/Off Output 21 - 2573
On/Off Output 22 - 2701
On/Off Output 23 - 2829

On/Off Output 24 - 2957
On/Off Output 25 - 3085
On/Off Output 26 - 3213
On/Off Output 27 - 3341
On/Off Output 28 - 3469
On/Off Output 29 - 3597
On/Off Output 30 - 3725
On/Off Output 31 - 3853
On/Off Output 32 - 3981
On/Off Output 33 - 4109
On/Off Output 34 - 4237
On/Off Output 35 - 4365
On/Off Output 36 - 4493
On/Off Output 37 - 4621
On/Off Output 38 - 4749
On/Off Output 39 - 4877
On/Off Output 40 - 5005
On/Off Output 41 - 5133
On/Off Output 42 - 5261
On/Off Output 43 - 5389
On/Off Output 44 - 5517
On/Off Output 45 - 5645
On/Off Output 46 - 5773
On/Off Output 47 - 5901
On/Off Output 48 – 6029

Input 15

On/Off Output 1 - 14
On/Off Output 2 - 142
On/Off Output 3 - 270
On/Off Output 4 - 398
On/Off Output 5 - 526
On/Off Output 6 - 654
On/Off Output 7 - 782
On/Off Output 8 - 910
On/Off Output 9 - 1038
On/Off Output 10 - 1166
On/Off Output 11 - 1294
On/Off Output 12 - 1422
On/Off Output 13 - 1550
On/Off Output 14 - 1678
On/Off Output 15 - 1806
On/Off Output 16 - 1934
On/Off Output 17 - 2062
On/Off Output 18 - 2190
On/Off Output 19 - 2318
On/Off Output 20 - 2446
On/Off Output 21 - 2574
On/Off Output 22 - 2702
On/Off Output 23 - 2830
On/Off Output 24 - 2958
On/Off Output 25 - 3086
On/Off Output 26 - 3214
On/Off Output 27 - 3342
On/Off Output 28 - 3470
On/Off Output 29 - 3598
On/Off Output 30 - 3726
On/Off Output 31 - 3854
On/Off Output 32 - 3982
On/Off Output 33 - 4110
On/Off Output 34 - 4238
On/Off Output 35 - 4366
On/Off Output 36 - 4494
On/Off Output 37 - 4622
On/Off Output 38 - 4750
On/Off Output 39 - 4878
On/Off Output 40 - 5006
On/Off Output 41 - 5134
On/Off Output 42 - 5262
On/Off Output 43 - 5390
On/Off Output 44 - 5518
On/Off Output 45 - 5646
On/Off Output 46 - 5774
On/Off Output 47 - 5902
On/Off Output 48 - 6030

Input 16

On/Off Output 1 - 15
On/Off Output 2 - 143
On/Off Output 3 - 271
On/Off Output 4 - 399
On/Off Output 5 - 527
On/Off Output 6 - 655
On/Off Output 7 - 783
On/Off Output 8 - 911
On/Off Output 9 - 1039
On/Off Output 10 - 1167
On/Off Output 11 - 1295
On/Off Output 12 - 1423
On/Off Output 13 - 1551
On/Off Output 14 - 1679
On/Off Output 15 - 1807
On/Off Output 16 - 1935
On/Off Output 17 - 2063
On/Off Output 18 - 2191
On/Off Output 19 - 2319
On/Off Output 20 - 2447
On/Off Output 21 - 2575
On/Off Output 22 - 2703
On/Off Output 23 - 2831
On/Off Output 24 - 2959
On/Off Output 25 - 3087
On/Off Output 26 - 3215
On/Off Output 27 - 3343
On/Off Output 28 - 3471
On/Off Output 29 - 3599
On/Off Output 30 - 3727
On/Off Output 31 - 3855
On/Off Output 32 - 3983
On/Off Output 33 - 4111
On/Off Output 34 - 4239
On/Off Output 35 - 4367
On/Off Output 36 - 4495
On/Off Output 37 - 4623
On/Off Output 38 - 4751
On/Off Output 39 - 4879
On/Off Output 40 - 5007
On/Off Output 41 - 5135
On/Off Output 42 - 5263
On/Off Output 43 - 5391
On/Off Output 44 - 5519
On/Off Output 45 - 5647
On/Off Output 46 - 5775
On/Off Output 47 - 5903
On/Off Output 48 - 6031

Input 17

On/Off Output 1 - 16
On/Off Output 2 - 144
On/Off Output 3 - 272
On/Off Output 4 - 400
On/Off Output 5 - 528
On/Off Output 6 - 656
On/Off Output 7 - 784
On/Off Output 8 - 912
On/Off Output 9 - 1040
On/Off Output 10 - 1168
On/Off Output 11 - 1296
On/Off Output 12 - 1424
On/Off Output 13 - 1552
On/Off Output 14 - 1680
On/Off Output 15 - 1808
On/Off Output 16 - 1936
On/Off Output 17 - 2064
On/Off Output 18 - 2192
On/Off Output 19 - 2320
On/Off Output 20 - 2448
On/Off Output 21 - 2576
On/Off Output 22 - 2704
On/Off Output 23 - 2832
On/Off Output 24 - 2960
On/Off Output 25 - 3088
On/Off Output 26 - 3216
On/Off Output 27 - 3344
On/Off Output 28 - 3472
On/Off Output 29 - 3600

On/Off Output 30 - 3728
On/Off Output 31 - 3856
On/Off Output 32 - 3984
On/Off Output 33 - 4112
On/Off Output 34 - 4240
On/Off Output 35 - 4368
On/Off Output 36 - 4496
On/Off Output 37 - 4624
On/Off Output 38 - 4752
On/Off Output 39 - 4880
On/Off Output 40 - 5008
On/Off Output 41 - 5136
On/Off Output 42 - 5264
On/Off Output 43 - 5392
On/Off Output 44 - 5520
On/Off Output 45 - 5648
On/Off Output 46 - 5776
On/Off Output 47 - 5904
On/Off Output 48 - 6032

Input 18

On/Off Output 1 - 17
On/Off Output 2 - 145
On/Off Output 3 - 273
On/Off Output 4 - 401
On/Off Output 5 - 529
On/Off Output 6 - 657
On/Off Output 7 - 785
On/Off Output 8 - 913
On/Off Output 9 - 1041
On/Off Output 10 - 1169
On/Off Output 11 - 1297
On/Off Output 12 - 1425
On/Off Output 13 - 1553
On/Off Output 14 - 1681
On/Off Output 15 - 1809
On/Off Output 16 - 1937
On/Off Output 17 - 2065
On/Off Output 18 - 2193
On/Off Output 19 - 2321
On/Off Output 20 - 2449
On/Off Output 21 - 2577
On/Off Output 22 - 2705
On/Off Output 23 - 2833
On/Off Output 24 - 2961
On/Off Output 25 - 3089
On/Off Output 26 - 3217
On/Off Output 27 - 3345
On/Off Output 28 - 3473
On/Off Output 29 - 3601
On/Off Output 30 - 3729
On/Off Output 31 - 3857
On/Off Output 32 - 3985
On/Off Output 33 - 4113
On/Off Output 34 - 4241
On/Off Output 35 - 4369
On/Off Output 36 - 4497
On/Off Output 37 - 4625
On/Off Output 38 - 4753
On/Off Output 39 - 4881
On/Off Output 40 - 5009
On/Off Output 41 - 5137
On/Off Output 42 - 5265
On/Off Output 43 - 5393
On/Off Output 44 - 5521
On/Off Output 45 - 5649
On/Off Output 46 - 5777
On/Off Output 47 - 5905
On/Off Output 48 - 6033

Input 19

On/Off Output 1 - 18
On/Off Output 2 - 146
On/Off Output 3 - 274
On/Off Output 4 - 402
On/Off Output 5 - 530
On/Off Output 6 - 658
On/Off Output 7 - 786
On/Off Output 8 - 914
On/Off Output 9 - 1042
On/Off Output 10 - 1170
On/Off Output 11 - 1298
On/Off Output 12 - 1426
On/Off Output 13 - 1554
On/Off Output 14 - 1682
On/Off Output 15 - 1810
On/Off Output 16 - 1938
On/Off Output 17 - 2066
On/Off Output 18 - 2194
On/Off Output 19 - 2322
On/Off Output 20 - 2450
On/Off Output 21 - 2578
On/Off Output 22 - 2706
On/Off Output 23 - 2834
On/Off Output 24 - 2962
On/Off Output 25 - 3090
On/Off Output 26 - 3218
On/Off Output 27 - 3346
On/Off Output 28 - 3474
On/Off Output 29 - 3602
On/Off Output 30 - 3730
On/Off Output 31 - 3858
On/Off Output 32 - 3986
On/Off Output 33 - 4114
On/Off Output 34 - 4242
On/Off Output 35 - 4370
On/Off Output 36 - 4498
On/Off Output 37 - 4626
On/Off Output 38 - 4754
On/Off Output 39 - 4882
On/Off Output 40 - 5010
On/Off Output 41 - 5138
On/Off Output 42 - 5266
On/Off Output 43 - 5394
On/Off Output 44 - 5522
On/Off Output 45 - 5650
On/Off Output 46 - 5778
On/Off Output 47 - 5906
On/Off Output 48 - 6034

Input 20

On/Off Output 1 - 19
On/Off Output 2 - 147
On/Off Output 3 - 275
On/Off Output 4 - 403
On/Off Output 5 - 531
On/Off Output 6 - 659
On/Off Output 7 - 787
On/Off Output 8 - 915
On/Off Output 9 - 1043
On/Off Output 10 - 1171
On/Off Output 11 - 1299
On/Off Output 12 - 1427
On/Off Output 13 - 1555
On/Off Output 14 - 1683
On/Off Output 15 - 1811
On/Off Output 16 - 1939
On/Off Output 17 - 2067
On/Off Output 18 - 2195
On/Off Output 19 - 2323
On/Off Output 20 - 2451
On/Off Output 21 - 2579
On/Off Output 22 - 2707
On/Off Output 23 - 2835
On/Off Output 24 - 2963
On/Off Output 25 - 3091
On/Off Output 26 - 3219
On/Off Output 27 - 3347
On/Off Output 28 - 3475
On/Off Output 29 - 3603
On/Off Output 30 - 3731
On/Off Output 31 - 3859
On/Off Output 32 - 3987
On/Off Output 33 - 4115
On/Off Output 34 - 4243
On/Off Output 35 - 4371

On/Off Output 36 - 4499
On/Off Output 37 - 4627
On/Off Output 38 - 4755
On/Off Output 39 - 4883
On/Off Output 40 - 5011
On/Off Output 41 - 5139
On/Off Output 42 - 5267
On/Off Output 43 - 5395
On/Off Output 44 - 5523
On/Off Output 45 - 5651
On/Off Output 46 - 5779
On/Off Output 47 - 5907
On/Off Output 48 - 6035

Input 21

On/Off Output 1 - 20
On/Off Output 2 - 148
On/Off Output 3 - 276
On/Off Output 4 - 404
On/Off Output 5 - 532
On/Off Output 6 - 660
On/Off Output 7 - 788
On/Off Output 8 - 916
On/Off Output 9 - 1044
On/Off Output 10 - 1172
On/Off Output 11 - 1300
On/Off Output 12 - 1428
On/Off Output 13 - 1556
On/Off Output 14 - 1684
On/Off Output 15 - 1812
On/Off Output 16 - 1940
On/Off Output 17 - 2068
On/Off Output 18 - 2196
On/Off Output 19 - 2324
On/Off Output 20 - 2452
On/Off Output 21 - 2580
On/Off Output 22 - 2708
On/Off Output 23 - 2836
On/Off Output 24 - 2964
On/Off Output 25 - 3092
On/Off Output 26 - 3220
On/Off Output 27 - 3348
On/Off Output 28 - 3476
On/Off Output 29 - 3604
On/Off Output 30 - 3732
On/Off Output 31 - 3860
On/Off Output 32 - 3988
On/Off Output 33 - 4116
On/Off Output 34 - 4244
On/Off Output 35 - 4372
On/Off Output 36 - 4500
On/Off Output 37 - 4628
On/Off Output 38 - 4756
On/Off Output 39 - 4884
On/Off Output 40 - 5012
On/Off Output 41 - 5140
On/Off Output 42 - 5268
On/Off Output 43 - 5396
On/Off Output 44 - 5524
On/Off Output 45 - 5652
On/Off Output 46 - 5780
On/Off Output 47 - 5908
On/Off Output 48 - 6036

Input 22

On/Off Output 1 - 21
On/Off Output 2 - 149
On/Off Output 3 - 277
On/Off Output 4 - 405
On/Off Output 5 - 533
On/Off Output 6 - 661
On/Off Output 7 - 789
On/Off Output 8 - 917
On/Off Output 9 - 1045
On/Off Output 10 - 1173
On/Off Output 11 - 1301
On/Off Output 12 - 1429
On/Off Output 13 - 1557
On/Off Output 14 - 1685
On/Off Output 15 - 1813
On/Off Output 16 - 1941
On/Off Output 17 - 2069
On/Off Output 18 - 2197
On/Off Output 19 - 2325
On/Off Output 20 - 2453
On/Off Output 21 - 2581
On/Off Output 22 - 2709
On/Off Output 23 - 2837
On/Off Output 24 - 2965
On/Off Output 25 - 3093
On/Off Output 26 - 3221
On/Off Output 27 - 3349
On/Off Output 28 - 3477
On/Off Output 29 - 3605
On/Off Output 30 - 3733
On/Off Output 31 - 3861
On/Off Output 32 - 3989
On/Off Output 33 - 4117
On/Off Output 34 - 4245
On/Off Output 35 - 4373
On/Off Output 36 - 4501
On/Off Output 37 - 4629
On/Off Output 38 - 4757
On/Off Output 39 - 4885
On/Off Output 40 - 5013
On/Off Output 41 - 5141
On/Off Output 42 - 5269
On/Off Output 43 - 5397
On/Off Output 44 - 5525
On/Off Output 45 - 5653
On/Off Output 46 - 5781
On/Off Output 47 - 5909
On/Off Output 48 - 6037

Input 23

On/Off Output 1 - 22
On/Off Output 2 - 150
On/Off Output 3 - 278
On/Off Output 4 - 406
On/Off Output 5 - 534
On/Off Output 6 - 662
On/Off Output 7 - 790
On/Off Output 8 - 918
On/Off Output 9 - 1046
On/Off Output 10 - 1174
On/Off Output 11 - 1302
On/Off Output 12 - 1430
On/Off Output 13 - 1558
On/Off Output 14 - 1686
On/Off Output 15 - 1814
On/Off Output 16 - 1942
On/Off Output 17 - 2070
On/Off Output 18 - 2198
On/Off Output 19 - 2326
On/Off Output 20 - 2454
On/Off Output 21 - 2582
On/Off Output 22 - 2710
On/Off Output 23 - 2838
On/Off Output 24 - 2966
On/Off Output 25 - 3094
On/Off Output 26 - 3222
On/Off Output 27 - 3350
On/Off Output 28 - 3478
On/Off Output 29 - 3606
On/Off Output 30 - 3734
On/Off Output 31 - 3862
On/Off Output 32 - 3990
On/Off Output 33 - 4118
On/Off Output 34 - 4246
On/Off Output 35 - 4374
On/Off Output 36 - 4502
On/Off Output 37 - 4630
On/Off Output 38 - 4758
On/Off Output 39 - 4886
On/Off Output 40 - 5014
On/Off Output 41 - 5142

On/Off Output 42 - 5270
On/Off Output 43 - 5398
On/Off Output 44 - 5526
On/Off Output 45 - 5654
On/Off Output 46 - 5782
On/Off Output 47 - 5910
On/Off Output 48 - 6038

Input 24

On/Off Output 1 - 23
On/Off Output 2 - 151
On/Off Output 3 - 279
On/Off Output 4 - 407
On/Off Output 5 - 535
On/Off Output 6 - 663
On/Off Output 7 - 791
On/Off Output 8 - 919
On/Off Output 9 - 1047
On/Off Output 10 - 1175
On/Off Output 11 - 1303
On/Off Output 12 - 1431
On/Off Output 13 - 1559
On/Off Output 14 - 1687
On/Off Output 15 - 1815
On/Off Output 16 - 1943
On/Off Output 17 - 2071
On/Off Output 18 - 2199
On/Off Output 19 - 2327
On/Off Output 20 - 2455
On/Off Output 21 - 2583
On/Off Output 22 - 2711
On/Off Output 23 - 2839
On/Off Output 24 - 2967
On/Off Output 25 - 3095
On/Off Output 26 - 3223
On/Off Output 27 - 3351
On/Off Output 28 - 3479
On/Off Output 29 - 3607
On/Off Output 30 - 3735
On/Off Output 31 - 3863
On/Off Output 32 - 3991
On/Off Output 33 - 4119
On/Off Output 34 - 4247
On/Off Output 35 - 4375
On/Off Output 36 - 4503
On/Off Output 37 - 4631
On/Off Output 38 - 4759
On/Off Output 39 - 4887
On/Off Output 40 - 5015
On/Off Output 41 - 5143
On/Off Output 42 - 5271
On/Off Output 43 - 5399
On/Off Output 44 - 5527
On/Off Output 45 - 5655
On/Off Output 46 - 5783
On/Off Output 47 - 5911
On/Off Output 48 - 6039

Input 25

On/Off Output 1 - 24
On/Off Output 2 - 152
On/Off Output 3 - 280
On/Off Output 4 - 408
On/Off Output 5 - 536
On/Off Output 6 - 664
On/Off Output 7 - 792
On/Off Output 8 - 920
On/Off Output 9 - 1048
On/Off Output 10 - 1176
On/Off Output 11 - 1304
On/Off Output 12 - 1432
On/Off Output 13 - 1560
On/Off Output 14 - 1688
On/Off Output 15 - 1816
On/Off Output 16 - 1944
On/Off Output 17 - 2072
On/Off Output 18 - 2200
On/Off Output 19 - 2328
On/Off Output 20 - 2456
On/Off Output 21 - 2584
On/Off Output 22 - 2712
On/Off Output 23 - 2840
On/Off Output 24 - 2968
On/Off Output 25 - 3096
On/Off Output 26 - 3224
On/Off Output 27 - 3352
On/Off Output 28 - 3480
On/Off Output 29 - 3608
On/Off Output 30 - 3736
On/Off Output 31 - 3864
On/Off Output 32 - 3992
On/Off Output 33 - 4120
On/Off Output 34 - 4248
On/Off Output 35 - 4376
On/Off Output 36 - 4504
On/Off Output 37 - 4632
On/Off Output 38 - 4760
On/Off Output 39 - 4888
On/Off Output 40 - 5016
On/Off Output 41 - 5144
On/Off Output 42 - 5272
On/Off Output 43 - 5400
On/Off Output 44 - 5528
On/Off Output 45 - 5656
On/Off Output 46 - 5784
On/Off Output 47 - 5912
On/Off Output 48 - 6040

Input 26

On/Off Output 1 - 25
On/Off Output 2 - 153
On/Off Output 3 - 281
On/Off Output 4 - 409
On/Off Output 5 - 537
On/Off Output 6 - 665
On/Off Output 7 - 793
On/Off Output 8 - 921
On/Off Output 9 - 1049
On/Off Output 10 - 1177
On/Off Output 11 - 1305
On/Off Output 12 - 1433
On/Off Output 13 - 1561
On/Off Output 14 - 1689
On/Off Output 15 - 1817
On/Off Output 16 - 1945
On/Off Output 17 - 2073
On/Off Output 18 - 2201
On/Off Output 19 - 2329
On/Off Output 20 - 2457
On/Off Output 21 - 2585
On/Off Output 22 - 2713
On/Off Output 23 - 2841
On/Off Output 24 - 2969
On/Off Output 25 - 3097
On/Off Output 26 - 3225
On/Off Output 27 - 3353
On/Off Output 28 - 3481
On/Off Output 29 - 3609
On/Off Output 30 - 3737
On/Off Output 31 - 3865
On/Off Output 32 - 3993
On/Off Output 33 - 4121
On/Off Output 34 - 4249
On/Off Output 35 - 4377
On/Off Output 36 - 4505
On/Off Output 37 - 4633
On/Off Output 38 - 4761
On/Off Output 39 - 4889
On/Off Output 40 - 5017
On/Off Output 41 - 5145
On/Off Output 42 - 5273
On/Off Output 43 - 5401
On/Off Output 44 - 5529
On/Off Output 45 - 5657
On/Off Output 46 - 5785
On/Off Output 47 - 5913

On/Off Output 48 - 6041

Input 27

On/Off Output 1 - 26
On/Off Output 2 - 154
On/Off Output 3 - 282
On/Off Output 4 - 410
On/Off Output 5 - 538
On/Off Output 6 - 666
On/Off Output 7 - 794
On/Off Output 8 - 922
On/Off Output 9 - 1050
On/Off Output 10 - 1178
On/Off Output 11 - 1306
On/Off Output 12 - 1434
On/Off Output 13 - 1562
On/Off Output 14 - 1690
On/Off Output 15 - 1818
On/Off Output 16 - 1946
On/Off Output 17 - 2074
On/Off Output 18 - 2202
On/Off Output 19 - 2330
On/Off Output 20 - 2458
On/Off Output 21 - 2586
On/Off Output 22 - 2714
On/Off Output 23 - 2842
On/Off Output 24 - 2970
On/Off Output 25 - 3098
On/Off Output 26 - 3226
On/Off Output 27 - 3354
On/Off Output 28 - 3482
On/Off Output 29 - 3610
On/Off Output 30 - 3738
On/Off Output 31 - 3866
On/Off Output 32 - 3994
On/Off Output 33 - 4122
On/Off Output 34 - 4250
On/Off Output 35 - 4378
On/Off Output 36 - 4506
On/Off Output 37 - 4634
On/Off Output 38 - 4762
On/Off Output 39 - 4890
On/Off Output 40 - 5018
On/Off Output 41 - 5146
On/Off Output 42 - 5274
On/Off Output 43 - 5402
On/Off Output 44 - 5530
On/Off Output 45 - 5658
On/Off Output 46 - 5786
On/Off Output 47 - 5914
On/Off Output 48 - 6042

Input 28

On/Off Output 1 - 27
On/Off Output 2 - 155
On/Off Output 3 - 283
On/Off Output 4 - 411
On/Off Output 5 - 539
On/Off Output 6 - 667
On/Off Output 7 - 795
On/Off Output 8 - 923
On/Off Output 9 - 1051
On/Off Output 10 - 1179
On/Off Output 11 - 1307
On/Off Output 12 - 1435
On/Off Output 13 - 1563
On/Off Output 14 - 1691
On/Off Output 15 - 1819
On/Off Output 16 - 1947
On/Off Output 17 - 2075
On/Off Output 18 - 2203
On/Off Output 19 - 2331
On/Off Output 20 - 2459
On/Off Output 21 - 2587
On/Off Output 22 - 2715
On/Off Output 23 - 2843
On/Off Output 24 - 2971
On/Off Output 25 - 3099
On/Off Output 26 - 3227
On/Off Output 27 - 3355
On/Off Output 28 - 3483
On/Off Output 29 - 3611
On/Off Output 30 - 3739
On/Off Output 31 - 3867
On/Off Output 32 - 3995
On/Off Output 33 - 4123
On/Off Output 34 - 4251
On/Off Output 35 - 4379
On/Off Output 36 - 4507
On/Off Output 37 - 4635
On/Off Output 38 - 4763
On/Off Output 39 - 4891
On/Off Output 40 - 5019
On/Off Output 41 - 5147
On/Off Output 42 - 5275
On/Off Output 43 - 5403
On/Off Output 44 - 5531
On/Off Output 45 - 5659
On/Off Output 46 - 5787
On/Off Output 47 - 5915
On/Off Output 48 - 6043

Input 29

On/Off Output 1 - 28
On/Off Output 2 - 156
On/Off Output 3 - 284
On/Off Output 4 - 412
On/Off Output 5 - 540
On/Off Output 6 - 668
On/Off Output 7 - 796
On/Off Output 8 - 924
On/Off Output 9 - 1052
On/Off Output 10 - 1180
On/Off Output 11 - 1308
On/Off Output 12 - 1436
On/Off Output 13 - 1564
On/Off Output 14 - 1692
On/Off Output 15 - 1820
On/Off Output 16 - 1948
On/Off Output 17 - 2076
On/Off Output 18 - 2204
On/Off Output 19 - 2332
On/Off Output 20 - 2460
On/Off Output 21 - 2588
On/Off Output 22 - 2716
On/Off Output 23 - 2844
On/Off Output 24 - 2972
On/Off Output 25 - 3100
On/Off Output 26 - 3228
On/Off Output 27 - 3356
On/Off Output 28 - 3484
On/Off Output 29 - 3612
On/Off Output 30 - 3740
On/Off Output 31 - 3868
On/Off Output 32 - 3996
On/Off Output 33 - 4124
On/Off Output 34 - 4252
On/Off Output 35 - 4380
On/Off Output 36 - 4508
On/Off Output 37 - 4636
On/Off Output 38 - 4764
On/Off Output 39 - 4892
On/Off Output 40 - 5020
On/Off Output 41 - 5148
On/Off Output 42 - 5276
On/Off Output 43 - 5404
On/Off Output 44 - 5532
On/Off Output 45 - 5660
On/Off Output 46 - 5788
On/Off Output 47 - 5916
On/Off Output 48 - 6044

Input 30

On/Off Output 1 - 29
On/Off Output 2 - 157
On/Off Output 3 - 285
On/Off Output 4 - 413

On/Off Output 5 - 541
On/Off Output 6 - 669
On/Off Output 7 - 797
On/Off Output 8 - 925
On/Off Output 9 - 1053
On/Off Output 10 - 1181
On/Off Output 11 - 1309
On/Off Output 12 - 1437
On/Off Output 13 - 1565
On/Off Output 14 - 1693
On/Off Output 15 - 1821
On/Off Output 16 - 1949
On/Off Output 17 - 2077
On/Off Output 18 - 2205
On/Off Output 19 - 2333
On/Off Output 20 - 2461
On/Off Output 21 - 2589
On/Off Output 22 - 2717
On/Off Output 23 - 2845
On/Off Output 24 - 2973
On/Off Output 25 - 3101
On/Off Output 26 - 3229
On/Off Output 27 - 3357
On/Off Output 28 - 3485
On/Off Output 29 - 3613
On/Off Output 30 - 3741
On/Off Output 31 - 3869
On/Off Output 32 - 3997
On/Off Output 33 - 4125
On/Off Output 34 - 4253
On/Off Output 35 - 4381
On/Off Output 36 - 4509
On/Off Output 37 - 4637
On/Off Output 38 - 4765
On/Off Output 39 - 4893
On/Off Output 40 - 5021
On/Off Output 41 - 5149
On/Off Output 42 - 5277
On/Off Output 43 - 5405
On/Off Output 44 - 5533
On/Off Output 45 - 5661
On/Off Output 46 - 5789
On/Off Output 47 - 5917
On/Off Output 48 - 6045

Input 31

On/Off Output 1 - 30
On/Off Output 2 - 158
On/Off Output 3 - 286
On/Off Output 4 - 414
On/Off Output 5 - 542
On/Off Output 6 - 670
On/Off Output 7 - 798
On/Off Output 8 - 926
On/Off Output 9 - 1054
On/Off Output 10 - 1182
On/Off Output 11 - 1310
On/Off Output 12 - 1438
On/Off Output 13 - 1566
On/Off Output 14 - 1694
On/Off Output 15 - 1822
On/Off Output 16 - 1950
On/Off Output 17 - 2078
On/Off Output 18 - 2206
On/Off Output 19 - 2334
On/Off Output 20 - 2462
On/Off Output 21 - 2590
On/Off Output 22 - 2718
On/Off Output 23 - 2846
On/Off Output 24 - 2974
On/Off Output 25 - 3102
On/Off Output 26 - 3230
On/Off Output 27 - 3358
On/Off Output 28 - 3486
On/Off Output 29 - 3614
On/Off Output 30 - 3742
On/Off Output 31 - 3870
On/Off Output 32 - 3998
On/Off Output 33 - 4126
On/Off Output 34 - 4254
On/Off Output 35 - 4382
On/Off Output 36 - 4510
On/Off Output 37 - 4638
On/Off Output 38 - 4766
On/Off Output 39 - 4894
On/Off Output 40 - 5022
On/Off Output 41 - 5150
On/Off Output 42 - 5278
On/Off Output 43 - 5406
On/Off Output 44 - 5534
On/Off Output 45 - 5662
On/Off Output 46 - 5790
On/Off Output 47 - 5918
On/Off Output 48 - 6046

Input 32

On/Off Output 1 - 31
On/Off Output 2 - 159
On/Off Output 3 - 287
On/Off Output 4 - 415
On/Off Output 5 - 543
On/Off Output 6 - 671
On/Off Output 7 - 799
On/Off Output 8 - 927
On/Off Output 9 - 1055
On/Off Output 10 - 1183
On/Off Output 11 - 1311
On/Off Output 12 - 1439
On/Off Output 13 - 1567
On/Off Output 14 - 1695
On/Off Output 15 - 1823
On/Off Output 16 - 1951
On/Off Output 17 - 2079
On/Off Output 18 - 2207
On/Off Output 19 - 2335
On/Off Output 20 - 2463
On/Off Output 21 - 2591
On/Off Output 22 - 2719
On/Off Output 23 - 2847
On/Off Output 24 - 2975
On/Off Output 25 - 3103
On/Off Output 26 - 3231
On/Off Output 27 - 3359
On/Off Output 28 - 3487
On/Off Output 29 - 3615
On/Off Output 30 - 3743
On/Off Output 31 - 3871
On/Off Output 32 - 3999
On/Off Output 33 - 4127
On/Off Output 34 - 4255
On/Off Output 35 - 4383
On/Off Output 36 - 4511
On/Off Output 37 - 4639
On/Off Output 38 - 4767
On/Off Output 39 - 4895
On/Off Output 40 - 5023
On/Off Output 41 - 5151
On/Off Output 42 - 5279
On/Off Output 43 - 5407
On/Off Output 44 - 5535
On/Off Output 45 - 5663
On/Off Output 46 - 5791
On/Off Output 47 - 5919
On/Off Output 48 - 6047

Input 33

On/Off Output 1 - 32
On/Off Output 2 - 160
On/Off Output 3 - 288
On/Off Output 4 - 416
On/Off Output 5 - 544
On/Off Output 6 - 672
On/Off Output 7 - 800
On/Off Output 8 - 928
On/Off Output 9 - 1056
On/Off Output 10 - 1184

On/Off Output 11 - 1312
On/Off Output 12 - 1440
On/Off Output 13 - 1568
On/Off Output 14 - 1696
On/Off Output 15 - 1824
On/Off Output 16 - 1952
On/Off Output 17 - 2080
On/Off Output 18 - 2208
On/Off Output 19 - 2336
On/Off Output 20 - 2464
On/Off Output 21 - 2592
On/Off Output 22 - 2720
On/Off Output 23 - 2848
On/Off Output 24 - 2976
On/Off Output 25 - 3104
On/Off Output 26 - 3232
On/Off Output 27 - 3360
On/Off Output 28 - 3488
On/Off Output 29 - 3616
On/Off Output 30 - 3744
On/Off Output 31 - 3872
On/Off Output 32 - 4000
On/Off Output 33 - 4128
On/Off Output 34 - 4256
On/Off Output 35 - 4384
On/Off Output 36 - 4512
On/Off Output 37 - 4640
On/Off Output 38 - 4768
On/Off Output 39 - 4896
On/Off Output 40 - 5024
On/Off Output 41 - 5152
On/Off Output 42 - 5280
On/Off Output 43 - 5408
On/Off Output 44 - 5536
On/Off Output 45 - 5664
On/Off Output 46 - 5792
On/Off Output 47 - 5920
On/Off Output 48 - 6048

Input 34

On/Off Output 1 - 33
On/Off Output 2 - 161
On/Off Output 3 - 289
On/Off Output 4 - 417
On/Off Output 5 - 545
On/Off Output 6 - 673
On/Off Output 7 - 801
On/Off Output 8 - 929
On/Off Output 9 - 1057
On/Off Output 10 - 1185
On/Off Output 11 - 1313
On/Off Output 12 - 1441
On/Off Output 13 - 1569
On/Off Output 14 - 1697
On/Off Output 15 - 1825
On/Off Output 16 - 1953
On/Off Output 17 - 2081
On/Off Output 18 - 2209
On/Off Output 19 - 2337
On/Off Output 20 - 2465
On/Off Output 21 - 2593
On/Off Output 22 - 2721
On/Off Output 23 - 2849
On/Off Output 24 - 2977
On/Off Output 25 - 3105
On/Off Output 26 - 3233
On/Off Output 27 - 3361
On/Off Output 28 - 3489
On/Off Output 29 - 3617
On/Off Output 30 - 3745
On/Off Output 31 - 3873
On/Off Output 32 - 4001
On/Off Output 33 - 4129
On/Off Output 34 - 4257
On/Off Output 35 - 4385
On/Off Output 36 - 4513
On/Off Output 37 - 4641
On/Off Output 38 - 4769
On/Off Output 39 - 4897
On/Off Output 40 - 5025
On/Off Output 41 - 5153
On/Off Output 42 - 5281
On/Off Output 43 - 5409
On/Off Output 44 - 5537
On/Off Output 45 - 5665
On/Off Output 46 - 5793
On/Off Output 47 - 5921
On/Off Output 48 - 6049

Input 35

On/Off Output 1 - 34
On/Off Output 2 - 162
On/Off Output 3 - 290
On/Off Output 4 - 418
On/Off Output 5 - 546
On/Off Output 6 - 674
On/Off Output 7 - 802
On/Off Output 8 - 930
On/Off Output 9 - 1058
On/Off Output 10 - 1186
On/Off Output 11 - 1314
On/Off Output 12 - 1442
On/Off Output 13 - 1570
On/Off Output 14 - 1698
On/Off Output 15 - 1826
On/Off Output 16 - 1954
On/Off Output 17 - 2082
On/Off Output 18 - 2210
On/Off Output 19 - 2338
On/Off Output 20 - 2466
On/Off Output 21 - 2594
On/Off Output 22 - 2722
On/Off Output 23 - 2850
On/Off Output 24 - 2978
On/Off Output 25 - 3106
On/Off Output 26 - 3234
On/Off Output 27 - 3362
On/Off Output 28 - 3490
On/Off Output 29 - 3618
On/Off Output 30 - 3746
On/Off Output 31 - 3874
On/Off Output 32 - 4002
On/Off Output 33 - 4130
On/Off Output 34 - 4258
On/Off Output 35 - 4386
On/Off Output 36 - 4514
On/Off Output 37 - 4642
On/Off Output 38 - 4770
On/Off Output 39 - 4898
On/Off Output 40 - 5026
On/Off Output 41 - 5154
On/Off Output 42 - 5282
On/Off Output 43 - 5410
On/Off Output 44 - 5538
On/Off Output 45 - 5666
On/Off Output 46 - 5794
On/Off Output 47 - 5922
On/Off Output 48 - 6050

Input 36

On/Off Output 1 - 35
On/Off Output 2 - 163
On/Off Output 3 - 291
On/Off Output 4 - 419
On/Off Output 5 - 547
On/Off Output 6 - 675
On/Off Output 7 - 803
On/Off Output 8 - 931
On/Off Output 9 - 1059
On/Off Output 10 - 1187
On/Off Output 11 - 1315
On/Off Output 12 - 1443
On/Off Output 13 - 1571
On/Off Output 14 - 1699
On/Off Output 15 - 1827
On/Off Output 16 - 1955

On/Off Output 17 - 2083
On/Off Output 18 - 2211
On/Off Output 19 - 2339
On/Off Output 20 - 2467
On/Off Output 21 - 2595
On/Off Output 22 - 2723
On/Off Output 23 - 2851
On/Off Output 24 - 2979
On/Off Output 25 - 3107
On/Off Output 26 - 3235
On/Off Output 27 - 3363
On/Off Output 28 - 3491
On/Off Output 29 - 3619
On/Off Output 30 - 3747
On/Off Output 31 - 3875
On/Off Output 32 - 4003
On/Off Output 33 - 4131
On/Off Output 34 - 4259
On/Off Output 35 - 4387
On/Off Output 36 - 4515
On/Off Output 37 - 4643
On/Off Output 38 - 4771
On/Off Output 39 - 4899
On/Off Output 40 - 5027
On/Off Output 41 - 5155
On/Off Output 42 - 5283
On/Off Output 43 - 5411
On/Off Output 44 - 5539
On/Off Output 45 - 5667
On/Off Output 46 - 5795
On/Off Output 47 - 5923
On/Off Output 48 - 6051

Input 37

On/Off Output 1 - 36
On/Off Output 2 - 164
On/Off Output 3 - 292
On/Off Output 4 - 420
On/Off Output 5 - 548
On/Off Output 6 - 676
On/Off Output 7 - 804
On/Off Output 8 - 932
On/Off Output 9 - 1060
On/Off Output 10 - 1188
On/Off Output 11 - 1316
On/Off Output 12 - 1444
On/Off Output 13 - 1572
On/Off Output 14 - 1700
On/Off Output 15 - 1828
On/Off Output 16 - 1956
On/Off Output 17 - 2084
On/Off Output 18 - 2212
On/Off Output 19 - 2340
On/Off Output 20 - 2468
On/Off Output 21 - 2596
On/Off Output 22 - 2724
On/Off Output 23 - 2852
On/Off Output 24 - 2980
On/Off Output 25 - 3108
On/Off Output 26 - 3236
On/Off Output 27 - 3364
On/Off Output 28 - 3492
On/Off Output 29 - 3620
On/Off Output 30 - 3748
On/Off Output 31 - 3876
On/Off Output 32 - 4004
On/Off Output 33 - 4132
On/Off Output 34 - 4260
On/Off Output 35 - 4388
On/Off Output 36 - 4516
On/Off Output 37 - 4644
On/Off Output 38 - 4772
On/Off Output 39 - 4900
On/Off Output 40 - 5028
On/Off Output 41 - 5156
On/Off Output 42 - 5284
On/Off Output 43 - 5412
On/Off Output 44 - 5540
On/Off Output 45 - 5668
On/Off Output 46 - 5796
On/Off Output 47 - 5924
On/Off Output 48 - 6052

Input 38

On/Off Output 1 - 37
On/Off Output 2 - 165
On/Off Output 3 - 293
On/Off Output 4 - 421
On/Off Output 5 - 549
On/Off Output 6 - 677
On/Off Output 7 - 805
On/Off Output 8 - 933
On/Off Output 9 - 1061
On/Off Output 10 - 1189
On/Off Output 11 - 1317
On/Off Output 12 - 1445
On/Off Output 13 - 1573
On/Off Output 14 - 1701
On/Off Output 15 - 1829
On/Off Output 16 - 1957
On/Off Output 17 - 2085
On/Off Output 18 - 2213
On/Off Output 19 - 2341
On/Off Output 20 - 2469
On/Off Output 21 - 2597
On/Off Output 22 - 2725
On/Off Output 23 - 2853
On/Off Output 24 - 2981
On/Off Output 25 - 3109
On/Off Output 26 - 3237
On/Off Output 27 - 3365
On/Off Output 28 - 3493
On/Off Output 29 - 3621
On/Off Output 30 - 3749
On/Off Output 31 - 3877
On/Off Output 32 - 4005
On/Off Output 33 - 4133
On/Off Output 34 - 4261
On/Off Output 35 - 4389
On/Off Output 36 - 4517
On/Off Output 37 - 4645
On/Off Output 38 - 4773
On/Off Output 39 - 4901
On/Off Output 40 - 5029
On/Off Output 41 - 5157
On/Off Output 42 - 5285
On/Off Output 43 - 5413
On/Off Output 44 - 5541
On/Off Output 45 - 5669
On/Off Output 46 - 5797
On/Off Output 47 - 5925
On/Off Output 48 - 6053

Input 39

On/Off Output 1 - 38
On/Off Output 2 - 166
On/Off Output 3 - 294
On/Off Output 4 - 422
On/Off Output 5 - 550
On/Off Output 6 - 678
On/Off Output 7 - 806
On/Off Output 8 - 934
On/Off Output 9 - 1062
On/Off Output 10 - 1190
On/Off Output 11 - 1318
On/Off Output 12 - 1446
On/Off Output 13 - 1574
On/Off Output 14 - 1702
On/Off Output 15 - 1830
On/Off Output 16 - 1958
On/Off Output 17 - 2086
On/Off Output 18 - 2214
On/Off Output 19 - 2342
On/Off Output 20 - 2470
On/Off Output 21 - 2598
On/Off Output 22 - 2726

On/Off Output 23 - 2854
On/Off Output 24 - 2982
On/Off Output 25 - 3110
On/Off Output 26 - 3238
On/Off Output 27 - 3366
On/Off Output 28 - 3494
On/Off Output 29 - 3622
On/Off Output 30 - 3750
On/Off Output 31 - 3878
On/Off Output 32 - 4006
On/Off Output 33 - 4134
On/Off Output 34 - 4262
On/Off Output 35 - 4390
On/Off Output 36 - 4518
On/Off Output 37 - 4646
On/Off Output 38 - 4774
On/Off Output 39 - 4902
On/Off Output 40 - 5030
On/Off Output 41 - 5158
On/Off Output 42 - 5286
On/Off Output 43 - 5414
On/Off Output 44 - 5542
On/Off Output 45 - 5670
On/Off Output 46 - 5798
On/Off Output 47 - 5926
On/Off Output 48 - 6054

Input 40

On/Off Output 1 - 39
On/Off Output 2 - 167
On/Off Output 3 - 295
On/Off Output 4 - 423
On/Off Output 5 - 551
On/Off Output 6 - 679
On/Off Output 7 - 807
On/Off Output 8 - 935
On/Off Output 9 - 1063
On/Off Output 10 - 1191
On/Off Output 11 - 1319
On/Off Output 12 - 1447
On/Off Output 13 - 1575
On/Off Output 14 - 1703
On/Off Output 15 - 1831
On/Off Output 16 - 1959
On/Off Output 17 - 2087
On/Off Output 18 - 2215
On/Off Output 19 - 2343
On/Off Output 20 - 2471
On/Off Output 21 - 2599
On/Off Output 22 - 2727
On/Off Output 23 - 2855
On/Off Output 24 - 2983
On/Off Output 25 - 3111
On/Off Output 26 - 3239
On/Off Output 27 - 3367
On/Off Output 28 - 3495
On/Off Output 29 - 3623
On/Off Output 30 - 3751
On/Off Output 31 - 3879
On/Off Output 32 - 4007
On/Off Output 33 - 4135
On/Off Output 34 - 4263
On/Off Output 35 - 4391
On/Off Output 36 - 4519
On/Off Output 37 - 4647
On/Off Output 38 - 4775
On/Off Output 39 - 4903
On/Off Output 40 - 5031
On/Off Output 41 - 5159
On/Off Output 42 - 5287
On/Off Output 43 - 5415
On/Off Output 44 - 5543
On/Off Output 45 - 5671
On/Off Output 46 - 5799
On/Off Output 47 - 5927
On/Off Output 48 - 6055

Input 41

On/Off Output 1 - 40
On/Off Output 2 - 168
On/Off Output 3 - 296
On/Off Output 4 - 424
On/Off Output 5 - 552
On/Off Output 6 - 680
On/Off Output 7 - 808
On/Off Output 8 - 936
On/Off Output 9 - 1064
On/Off Output 10 - 1192
On/Off Output 11 - 1320
On/Off Output 12 - 1448
On/Off Output 13 - 1576
On/Off Output 14 - 1704
On/Off Output 15 - 1832
On/Off Output 16 - 1960
On/Off Output 17 - 2088
On/Off Output 18 - 2216
On/Off Output 19 - 2344
On/Off Output 20 - 2472
On/Off Output 21 - 2600
On/Off Output 22 - 2728
On/Off Output 23 - 2856
On/Off Output 24 - 2984
On/Off Output 25 - 3112
On/Off Output 26 - 3240
On/Off Output 27 - 3368
On/Off Output 28 - 3496
On/Off Output 29 - 3624
On/Off Output 30 - 3752
On/Off Output 31 - 3880
On/Off Output 32 - 4008
On/Off Output 33 - 4136
On/Off Output 34 - 4264
On/Off Output 35 - 4392
On/Off Output 36 - 4520
On/Off Output 37 - 4648
On/Off Output 38 - 4776
On/Off Output 39 - 4904
On/Off Output 40 - 5032
On/Off Output 41 - 5160
On/Off Output 42 - 5288
On/Off Output 43 - 5416
On/Off Output 44 - 5544
On/Off Output 45 - 5672
On/Off Output 46 - 5800
On/Off Output 47 - 5928
On/Off Output 48 - 6056

Input 42

On/Off Output 1 - 41
On/Off Output 2 - 169
On/Off Output 3 - 297
On/Off Output 4 - 425
On/Off Output 5 - 553
On/Off Output 6 - 681
On/Off Output 7 - 809
On/Off Output 8 - 937
On/Off Output 9 - 1065
On/Off Output 10 - 1193
On/Off Output 11 - 1321
On/Off Output 12 - 1449
On/Off Output 13 - 1577
On/Off Output 14 - 1705
On/Off Output 15 - 1833
On/Off Output 16 - 1961
On/Off Output 17 - 2089
On/Off Output 18 - 2217
On/Off Output 19 - 2345
On/Off Output 20 - 2473
On/Off Output 21 - 2601
On/Off Output 22 - 2729
On/Off Output 23 - 2857
On/Off Output 24 - 2985
On/Off Output 25 - 3113
On/Off Output 26 - 3241
On/Off Output 27 - 3369
On/Off Output 28 - 3497

On/Off Output 29 - 3625
On/Off Output 30 - 3753
On/Off Output 31 - 3881
On/Off Output 32 - 4009
On/Off Output 33 - 4137
On/Off Output 34 - 4265
On/Off Output 35 - 4393
On/Off Output 36 - 4521
On/Off Output 37 - 4649
On/Off Output 38 - 4777
On/Off Output 39 - 4905
On/Off Output 40 - 5033
On/Off Output 41 - 5161
On/Off Output 42 - 5289
On/Off Output 43 - 5417
On/Off Output 44 - 5545
On/Off Output 45 - 5673
On/Off Output 46 - 5801
On/Off Output 47 - 5929
On/Off Output 48 - 6057

Input 43

On/Off Output 1 - 42
On/Off Output 2 - 170
On/Off Output 3 - 298
On/Off Output 4 - 426
On/Off Output 5 - 554
On/Off Output 6 - 682
On/Off Output 7 - 810
On/Off Output 8 - 938
On/Off Output 9 - 1066
On/Off Output 10 - 1194
On/Off Output 11 - 1322
On/Off Output 12 - 1450
On/Off Output 13 - 1578
On/Off Output 14 - 1706
On/Off Output 15 - 1834
On/Off Output 16 - 1962
On/Off Output 17 - 2090
On/Off Output 18 - 2218
On/Off Output 19 - 2346
On/Off Output 20 - 2474
On/Off Output 21 - 2602
On/Off Output 22 - 2730
On/Off Output 23 - 2858
On/Off Output 24 - 2986
On/Off Output 25 - 3114
On/Off Output 26 - 3242
On/Off Output 27 - 3370
On/Off Output 28 - 3498
On/Off Output 29 - 3626
On/Off Output 30 - 3754
On/Off Output 31 - 3882
On/Off Output 32 - 4010
On/Off Output 33 - 4138
On/Off Output 34 - 4266
On/Off Output 35 - 4394
On/Off Output 36 - 4522
On/Off Output 37 - 4650
On/Off Output 38 - 4778
On/Off Output 39 - 4906
On/Off Output 40 - 5034
On/Off Output 41 - 5162
On/Off Output 42 - 5290
On/Off Output 43 - 5418
On/Off Output 44 - 5546
On/Off Output 45 - 5674
On/Off Output 46 - 5802
On/Off Output 47 - 5930
On/Off Output 48 - 6058

Input 44

On/Off Output 1 - 43
On/Off Output 2 - 171
On/Off Output 3 - 299
On/Off Output 4 - 427
On/Off Output 5 - 555
On/Off Output 6 - 683
On/Off Output 7 - 811
On/Off Output 8 - 939
On/Off Output 9 - 1067
On/Off Output 10 - 1195
On/Off Output 11 - 1323
On/Off Output 12 - 1451
On/Off Output 13 - 1579
On/Off Output 14 - 1707
On/Off Output 15 - 1835
On/Off Output 16 - 1963
On/Off Output 17 - 2091
On/Off Output 18 - 2219
On/Off Output 19 - 2347
On/Off Output 20 - 2475
On/Off Output 21 - 2603
On/Off Output 22 - 2731
On/Off Output 23 - 2859
On/Off Output 24 - 2987
On/Off Output 25 - 3115
On/Off Output 26 - 3243
On/Off Output 27 - 3371
On/Off Output 28 - 3499
On/Off Output 29 - 3627
On/Off Output 30 - 3755
On/Off Output 31 - 3883
On/Off Output 32 - 4011
On/Off Output 33 - 4139
On/Off Output 34 - 4267
On/Off Output 35 - 4395
On/Off Output 36 - 4523
On/Off Output 37 - 4651
On/Off Output 38 - 4779
On/Off Output 39 - 4907
On/Off Output 40 - 5035
On/Off Output 41 - 5163
On/Off Output 42 - 5291
On/Off Output 43 - 5419
On/Off Output 44 - 5547
On/Off Output 45 - 5675
On/Off Output 46 - 5803
On/Off Output 47 - 5931
On/Off Output 48 - 6059

Input 45

On/Off Output 1 - 44
On/Off Output 2 - 172
On/Off Output 3 - 300
On/Off Output 4 - 428
On/Off Output 5 - 556
On/Off Output 6 - 684
On/Off Output 7 - 812
On/Off Output 8 - 940
On/Off Output 9 - 1068
On/Off Output 10 - 1196
On/Off Output 11 - 1324
On/Off Output 12 - 1452
On/Off Output 13 - 1580
On/Off Output 14 - 1708
On/Off Output 15 - 1836
On/Off Output 16 - 1964
On/Off Output 17 - 2092
On/Off Output 18 - 2220
On/Off Output 19 - 2348
On/Off Output 20 - 2476
On/Off Output 21 - 2604
On/Off Output 22 - 2732
On/Off Output 23 - 2860
On/Off Output 24 - 2988
On/Off Output 25 - 3116
On/Off Output 26 - 3244
On/Off Output 27 - 3372
On/Off Output 28 - 3500
On/Off Output 29 - 3628
On/Off Output 30 - 3756
On/Off Output 31 - 3884
On/Off Output 32 - 4012
On/Off Output 33 - 4140
On/Off Output 34 - 4268

On/Off Output 35 - 4396
On/Off Output 36 - 4524
On/Off Output 37 - 4652
On/Off Output 38 - 4780
On/Off Output 39 - 4908
On/Off Output 40 - 5036
On/Off Output 41 - 5164
On/Off Output 42 - 5292
On/Off Output 43 - 5420
On/Off Output 44 - 5548
On/Off Output 45 - 5676
On/Off Output 46 - 5804
On/Off Output 47 - 5932
On/Off Output 48 - 6060

Input 46

On/Off Output 1 - 45
On/Off Output 2 - 173
On/Off Output 3 - 301
On/Off Output 4 - 429
On/Off Output 5 - 557
On/Off Output 6 - 685
On/Off Output 7 - 813
On/Off Output 8 - 941
On/Off Output 9 - 1069
On/Off Output 10 - 1197
On/Off Output 11 - 1325
On/Off Output 12 - 1453
On/Off Output 13 - 1581
On/Off Output 14 - 1709
On/Off Output 15 - 1837
On/Off Output 16 - 1965
On/Off Output 17 - 2093
On/Off Output 18 - 2221
On/Off Output 19 - 2349
On/Off Output 20 - 2477
On/Off Output 21 - 2605
On/Off Output 22 - 2733
On/Off Output 23 - 2861
On/Off Output 24 - 2989
On/Off Output 25 - 3117
On/Off Output 26 - 3245
On/Off Output 27 - 3373
On/Off Output 28 - 3501
On/Off Output 29 - 3629
On/Off Output 30 - 3757
On/Off Output 31 - 3885
On/Off Output 32 - 4013
On/Off Output 33 - 4141
On/Off Output 34 - 4269
On/Off Output 35 - 4397
On/Off Output 36 - 4525
On/Off Output 37 - 4653
On/Off Output 38 - 4781
On/Off Output 39 - 4909
On/Off Output 40 - 5037
On/Off Output 41 - 5165
On/Off Output 42 - 5293
On/Off Output 43 - 5421
On/Off Output 44 - 5549
On/Off Output 45 - 5677
On/Off Output 46 - 5805
On/Off Output 47 - 5933
On/Off Output 48 - 6061

Input 47

On/Off Output 1 - 46
On/Off Output 2 - 174
On/Off Output 3 - 302
On/Off Output 4 - 430
On/Off Output 5 - 558
On/Off Output 6 - 686
On/Off Output 7 - 814
On/Off Output 8 - 942
On/Off Output 9 - 1070
On/Off Output 10 - 1198
On/Off Output 11 - 1326
On/Off Output 12 - 1454
On/Off Output 13 - 1582
On/Off Output 14 - 1710
On/Off Output 15 - 1838
On/Off Output 16 - 1966
On/Off Output 17 - 2094
On/Off Output 18 - 2222
On/Off Output 19 - 2350
On/Off Output 20 - 2478
On/Off Output 21 - 2606
On/Off Output 22 - 2734
On/Off Output 23 - 2862
On/Off Output 24 - 2990
On/Off Output 25 - 3118
On/Off Output 26 - 3246
On/Off Output 27 - 3374
On/Off Output 28 - 3502
On/Off Output 29 - 3630
On/Off Output 30 - 3758
On/Off Output 31 - 3886
On/Off Output 32 - 4014
On/Off Output 33 - 4142
On/Off Output 34 - 4270
On/Off Output 35 - 4398
On/Off Output 36 - 4526
On/Off Output 37 - 4654
On/Off Output 38 - 4782
On/Off Output 39 - 4910
On/Off Output 40 - 5038
On/Off Output 41 - 5166
On/Off Output 42 - 5294
On/Off Output 43 - 5422
On/Off Output 44 - 5550
On/Off Output 45 - 5678
On/Off Output 46 - 5806
On/Off Output 47 - 5934
On/Off Output 48 - 6062

Input 48

On/Off Output 1 - 47
On/Off Output 2 - 175
On/Off Output 3 - 303
On/Off Output 4 - 431
On/Off Output 5 - 559
On/Off Output 6 - 687
On/Off Output 7 - 815
On/Off Output 8 - 943
On/Off Output 9 - 1071
On/Off Output 10 - 1199
On/Off Output 11 - 1327
On/Off Output 12 - 1455
On/Off Output 13 - 1583
On/Off Output 14 - 1711
On/Off Output 15 - 1839
On/Off Output 16 - 1967
On/Off Output 17 - 2095
On/Off Output 18 - 2223
On/Off Output 19 - 2351
On/Off Output 20 - 2479
On/Off Output 21 - 2607
On/Off Output 22 - 2735
On/Off Output 23 - 2863
On/Off Output 24 - 2991
On/Off Output 25 - 3119
On/Off Output 26 - 3247
On/Off Output 27 - 3375
On/Off Output 28 - 3503
On/Off Output 29 - 3631
On/Off Output 30 - 3759
On/Off Output 31 - 3887
On/Off Output 32 - 4015
On/Off Output 33 - 4143
On/Off Output 34 - 4271
On/Off Output 35 - 4399
On/Off Output 36 - 4527
On/Off Output 37 - 4655
On/Off Output 38 - 4783
On/Off Output 39 - 4911
On/Off Output 40 - 5039

On/Off Output 41 - 5167
On/Off Output 42 - 5295
On/Off Output 43 - 5423
On/Off Output 44 - 5551
On/Off Output 45 - 5679
On/Off Output 46 - 5807
On/Off Output 47 - 5935
On/Off Output 48 – 6063

Matrix Router

Input 1

On/Off Output 1 - 0
On/Off Output 2 - 128
On/Off Output 3 - 256
On/Off Output 4 - 384
On/Off Output 5 - 512
On/Off Output 6 - 640
On/Off Output 7 - 768
On/Off Output 8 - 896
On/Off Output 9 - 1024
On/Off Output 10 - 1152
On/Off Output 11 - 1280
On/Off Output 12 - 1408
On/Off Output 13 - 1536
On/Off Output 14 - 1664
On/Off Output 15 - 1792
On/Off Output 16 - 1920
On/Off Output 17 - 2048
On/Off Output 18 - 2176
On/Off Output 19 - 2304
On/Off Output 20 - 2432
On/Off Output 21 - 2560
On/Off Output 22 - 2688
On/Off Output 23 - 2816
On/Off Output 24 - 2944
On/Off Output 25 - 3072
On/Off Output 26 - 3200
On/Off Output 27 - 3328
On/Off Output 28 - 3456
On/Off Output 29 - 3584
On/Off Output 30 - 3712
On/Off Output 31 - 3840
On/Off Output 32 - 3968
On/Off Output 33 - 4096
On/Off Output 34 - 4224
On/Off Output 35 - 4352
On/Off Output 36 - 4480
On/Off Output 37 - 4608
On/Off Output 38 - 4736
On/Off Output 39 - 4864
On/Off Output 40 - 4992
On/Off Output 41 - 5120
On/Off Output 42 - 5248
On/Off Output 43 - 5376
On/Off Output 44 - 5504
On/Off Output 45 - 5632
On/Off Output 46 - 5760
On/Off Output 47 - 5888
On/Off Output 48 - 6016

Input 2

On/Off Output 1 - 1
On/Off Output 2 - 129
On/Off Output 3 - 257
On/Off Output 4 - 385
On/Off Output 5 - 513
On/Off Output 6 - 641
On/Off Output 7 - 769
On/Off Output 8 - 897
On/Off Output 9 - 1025
On/Off Output 10 - 1153
On/Off Output 11 - 1281
On/Off Output 12 - 1409
On/Off Output 13 - 1537
On/Off Output 14 - 1665
On/Off Output 15 - 1793
On/Off Output 16 - 1921
On/Off Output 17 - 2049
On/Off Output 18 - 2177
On/Off Output 19 - 2305
On/Off Output 20 - 2433
On/Off Output 21 - 2561
On/Off Output 22 - 2689
On/Off Output 23 - 2817
On/Off Output 24 - 2945
On/Off Output 25 - 3073
On/Off Output 26 - 3201
On/Off Output 27 - 3329
On/Off Output 28 - 3457
On/Off Output 29 - 3585
On/Off Output 30 - 3713
On/Off Output 31 - 3841
On/Off Output 32 - 3969
On/Off Output 33 - 4097
On/Off Output 34 - 4225
On/Off Output 35 - 4353
On/Off Output 36 - 4481
On/Off Output 37 - 4609
On/Off Output 38 - 4737
On/Off Output 39 - 4865
On/Off Output 40 - 4993
On/Off Output 41 - 5121
On/Off Output 42 - 5249
On/Off Output 43 - 5377
On/Off Output 44 - 5505
On/Off Output 45 - 5633
On/Off Output 46 - 5761
On/Off Output 47 - 5889
On/Off Output 48 - 6017

Input 3

On/Off Output 1 - 2
On/Off Output 2 - 130
On/Off Output 3 - 258
On/Off Output 4 - 386
On/Off Output 5 - 514
On/Off Output 6 - 642
On/Off Output 7 - 770
On/Off Output 8 - 898
On/Off Output 9 - 1026
On/Off Output 10 - 1154
On/Off Output 11 - 1282
On/Off Output 12 - 1410
On/Off Output 13 - 1538
On/Off Output 14 - 1666
On/Off Output 15 - 1794
On/Off Output 16 - 1922
On/Off Output 17 - 2050
On/Off Output 18 - 2178
On/Off Output 19 - 2306
On/Off Output 20 - 2434
On/Off Output 21 - 2562
On/Off Output 22 - 2690
On/Off Output 23 - 2818
On/Off Output 24 - 2946
On/Off Output 25 - 3074
On/Off Output 26 - 3202
On/Off Output 27 - 3330
On/Off Output 28 - 3458
On/Off Output 29 - 3586
On/Off Output 30 - 3714
On/Off Output 31 - 3842
On/Off Output 32 - 3970
On/Off Output 33 - 4098
On/Off Output 34 - 4226
On/Off Output 35 - 4354
On/Off Output 36 - 4482
On/Off Output 37 - 4610
On/Off Output 38 - 4738
On/Off Output 39 - 4866
On/Off Output 40 - 4994
On/Off Output 41 - 5122
On/Off Output 42 - 5250
On/Off Output 43 - 5378
On/Off Output 44 - 5506
On/Off Output 45 - 5634

On/Off Output 46 - 5762
On/Off Output 47 - 5890
On/Off Output 48 - 6018

Input 4

On/Off Output 1 - 3
On/Off Output 2 - 131
On/Off Output 3 - 259
On/Off Output 4 - 387
On/Off Output 5 - 515
On/Off Output 6 - 643
On/Off Output 7 - 771
On/Off Output 8 - 899
On/Off Output 9 - 1027
On/Off Output 10 - 1155
On/Off Output 11 - 1283
On/Off Output 12 - 1411
On/Off Output 13 - 1539
On/Off Output 14 - 1667
On/Off Output 15 - 1795
On/Off Output 16 - 1923
On/Off Output 17 - 2051
On/Off Output 18 - 2179
On/Off Output 19 - 2307
On/Off Output 20 - 2435
On/Off Output 21 - 2563
On/Off Output 22 - 2691
On/Off Output 23 - 2819
On/Off Output 24 - 2947
On/Off Output 25 - 3075
On/Off Output 26 - 3203
On/Off Output 27 - 3331
On/Off Output 28 - 3459
On/Off Output 29 - 3587
On/Off Output 30 - 3715
On/Off Output 31 - 3843
On/Off Output 32 - 3971
On/Off Output 33 - 4099
On/Off Output 34 - 4227
On/Off Output 35 - 4355
On/Off Output 36 - 4483
On/Off Output 37 - 4611
On/Off Output 38 - 4739
On/Off Output 39 - 4867
On/Off Output 40 - 4995
On/Off Output 41 - 5123
On/Off Output 42 - 5251
On/Off Output 43 - 5379
On/Off Output 44 - 5507
On/Off Output 45 - 5635
On/Off Output 46 - 5763
On/Off Output 47 - 5891
On/Off Output 48 - 6019

Input 5

On/Off Output 1 - 4
On/Off Output 2 - 132
On/Off Output 3 - 260
On/Off Output 4 - 388
On/Off Output 5 - 516
On/Off Output 6 - 644
On/Off Output 7 - 772
On/Off Output 8 - 900
On/Off Output 9 - 1028
On/Off Output 10 - 1156
On/Off Output 11 - 1284
On/Off Output 12 - 1412
On/Off Output 13 - 1540
On/Off Output 14 - 1668
On/Off Output 15 - 1796
On/Off Output 16 - 1924
On/Off Output 17 - 2052
On/Off Output 18 - 2180
On/Off Output 19 - 2308
On/Off Output 20 - 2436
On/Off Output 21 - 2564
On/Off Output 22 - 2692
On/Off Output 23 - 2820
On/Off Output 24 - 2948
On/Off Output 25 - 3076
On/Off Output 26 - 3204
On/Off Output 27 - 3332
On/Off Output 28 - 3460
On/Off Output 29 - 3588
On/Off Output 30 - 3716
On/Off Output 31 - 3844
On/Off Output 32 - 3972
On/Off Output 33 - 4100
On/Off Output 34 - 4228
On/Off Output 35 - 4356
On/Off Output 36 - 4484
On/Off Output 37 - 4612
On/Off Output 38 - 4740
On/Off Output 39 - 4868
On/Off Output 40 - 4996
On/Off Output 41 - 5124
On/Off Output 42 - 5252
On/Off Output 43 - 5380
On/Off Output 44 - 5508
On/Off Output 45 - 5636
On/Off Output 46 - 5764
On/Off Output 47 - 5892
On/Off Output 48 - 6020

Input 6

On/Off Output 1 - 5
On/Off Output 2 - 133
On/Off Output 3 - 261
On/Off Output 4 - 389
On/Off Output 5 - 517
On/Off Output 6 - 645
On/Off Output 7 - 773
On/Off Output 8 - 901
On/Off Output 9 - 1029
On/Off Output 10 - 1157
On/Off Output 11 - 1285
On/Off Output 12 - 1413
On/Off Output 13 - 1541
On/Off Output 14 - 1669
On/Off Output 15 - 1797
On/Off Output 16 - 1925
On/Off Output 17 - 2053
On/Off Output 18 - 2181
On/Off Output 19 - 2309
On/Off Output 20 - 2437
On/Off Output 21 - 2565
On/Off Output 22 - 2693
On/Off Output 23 - 2821
On/Off Output 24 - 2949
On/Off Output 25 - 3077
On/Off Output 26 - 3205
On/Off Output 27 - 3333
On/Off Output 28 - 3461
On/Off Output 29 - 3589
On/Off Output 30 - 3717
On/Off Output 31 - 3845
On/Off Output 32 - 3973
On/Off Output 33 - 4101
On/Off Output 34 - 4229
On/Off Output 35 - 4357
On/Off Output 36 - 4485
On/Off Output 37 - 4613
On/Off Output 38 - 4741
On/Off Output 39 - 4869
On/Off Output 40 - 4997
On/Off Output 41 - 5125
On/Off Output 42 - 5253
On/Off Output 43 - 5381
On/Off Output 44 - 5509
On/Off Output 45 - 5637
On/Off Output 46 - 5765
On/Off Output 47 - 5893
On/Off Output 48 - 6021

Input 7

On/Off Output 1 - 6
On/Off Output 2 - 134
On/Off Output 3 - 262

On/Off Output 4 - 390
On/Off Output 5 - 518
On/Off Output 6 - 646
On/Off Output 7 - 774
On/Off Output 8 - 902
On/Off Output 9 - 1030
On/Off Output 10 - 1158
On/Off Output 11 - 1286
On/Off Output 12 - 1414
On/Off Output 13 - 1542
On/Off Output 14 - 1670
On/Off Output 15 - 1798
On/Off Output 16 - 1926
On/Off Output 17 - 2054
On/Off Output 18 - 2182
On/Off Output 19 - 2310
On/Off Output 20 - 2438
On/Off Output 21 - 2566
On/Off Output 22 - 2694
On/Off Output 23 - 2822
On/Off Output 24 - 2950
On/Off Output 25 - 3078
On/Off Output 26 - 3206
On/Off Output 27 - 3334
On/Off Output 28 - 3462
On/Off Output 29 - 3590
On/Off Output 30 - 3718
On/Off Output 31 - 3846
On/Off Output 32 - 3974
On/Off Output 33 - 4102
On/Off Output 34 - 4230
On/Off Output 35 - 4358
On/Off Output 36 - 4486
On/Off Output 37 - 4614
On/Off Output 38 - 4742
On/Off Output 39 - 4870
On/Off Output 40 - 4998
On/Off Output 41 - 5126
On/Off Output 42 - 5254
On/Off Output 43 - 5382
On/Off Output 44 - 5510
On/Off Output 45 - 5638
On/Off Output 46 - 5766
On/Off Output 47 - 5894
On/Off Output 48 - 6022

Input 8

On/Off Output 1 - 7
On/Off Output 2 - 135
On/Off Output 3 - 263
On/Off Output 4 - 391
On/Off Output 5 - 519
On/Off Output 6 - 647
On/Off Output 7 - 775
On/Off Output 8 - 903
On/Off Output 9 - 1031
On/Off Output 10 - 1159
On/Off Output 11 - 1287
On/Off Output 12 - 1415
On/Off Output 13 - 1543
On/Off Output 14 - 1671
On/Off Output 15 - 1799
On/Off Output 16 - 1927
On/Off Output 17 - 2055
On/Off Output 18 - 2183
On/Off Output 19 - 2311
On/Off Output 20 - 2439
On/Off Output 21 - 2567
On/Off Output 22 - 2695
On/Off Output 23 - 2823
On/Off Output 24 - 2951
On/Off Output 25 - 3079
On/Off Output 26 - 3207
On/Off Output 27 - 3335
On/Off Output 28 - 3463
On/Off Output 29 - 3591
On/Off Output 30 - 3719
On/Off Output 31 - 3847
On/Off Output 32 - 3975
On/Off Output 33 - 4103
On/Off Output 34 - 4231
On/Off Output 35 - 4359
On/Off Output 36 - 4487
On/Off Output 37 - 4615
On/Off Output 38 - 4743
On/Off Output 39 - 4871
On/Off Output 40 - 4999
On/Off Output 41 - 5127
On/Off Output 42 - 5255
On/Off Output 43 - 5383
On/Off Output 44 - 5511
On/Off Output 45 - 5639
On/Off Output 46 - 5767
On/Off Output 47 - 5895
On/Off Output 48 - 6023

Input 9

On/Off Output 1 - 8
On/Off Output 2 - 136
On/Off Output 3 - 264
On/Off Output 4 - 392
On/Off Output 5 - 520
On/Off Output 6 - 648
On/Off Output 7 - 776
On/Off Output 8 - 904
On/Off Output 9 - 1032
On/Off Output 10 - 1160
On/Off Output 11 - 1288
On/Off Output 12 - 1416
On/Off Output 13 - 1544
On/Off Output 14 - 1672
On/Off Output 15 - 1800
On/Off Output 16 - 1928
On/Off Output 17 - 2056
On/Off Output 18 - 2184
On/Off Output 19 - 2312
On/Off Output 20 - 2440
On/Off Output 21 - 2568
On/Off Output 22 - 2696
On/Off Output 23 - 2824
On/Off Output 24 - 2952
On/Off Output 25 - 3080
On/Off Output 26 - 3208
On/Off Output 27 - 3336
On/Off Output 28 - 3464
On/Off Output 29 - 3592
On/Off Output 30 - 3720
On/Off Output 31 - 3848
On/Off Output 32 - 3976
On/Off Output 33 - 4104
On/Off Output 34 - 4232
On/Off Output 35 - 4360
On/Off Output 36 - 4488
On/Off Output 37 - 4616
On/Off Output 38 - 4744
On/Off Output 39 - 4872
On/Off Output 40 - 5000
On/Off Output 41 - 5128
On/Off Output 42 - 5256
On/Off Output 43 - 5384
On/Off Output 44 - 5512
On/Off Output 45 - 5640
On/Off Output 46 - 5768
On/Off Output 47 - 5896
On/Off Output 48 - 6024

Input 10

On/Off Output 1 - 9
On/Off Output 2 - 137
On/Off Output 3 - 265
On/Off Output 4 - 393
On/Off Output 5 - 521
On/Off Output 6 - 649
On/Off Output 7 - 777
On/Off Output 8 - 905
On/Off Output 9 - 1033
On/Off Output 10 - 1161

On/Off Output 11 - 1289
On/Off Output 12 - 1417
On/Off Output 13 - 1545
On/Off Output 14 - 1673
On/Off Output 15 - 1801
On/Off Output 16 - 1929
On/Off Output 17 - 2057
On/Off Output 18 - 2185
On/Off Output 19 - 2313
On/Off Output 20 - 2441
On/Off Output 21 - 2569
On/Off Output 22 - 2697
On/Off Output 23 - 2825
On/Off Output 24 - 2953
On/Off Output 25 - 3081
On/Off Output 26 - 3209
On/Off Output 27 - 3337
On/Off Output 28 - 3465
On/Off Output 29 - 3593
On/Off Output 30 - 3721
On/Off Output 31 - 3849
On/Off Output 32 - 3977
On/Off Output 33 - 4105
On/Off Output 34 - 4233
On/Off Output 35 - 4361
On/Off Output 36 - 4489
On/Off Output 37 - 4617
On/Off Output 38 - 4745
On/Off Output 39 - 4873
On/Off Output 40 - 5001
On/Off Output 41 - 5129
On/Off Output 42 - 5257
On/Off Output 43 - 5385
On/Off Output 44 - 5513
On/Off Output 45 - 5641
On/Off Output 46 - 5769
On/Off Output 47 - 5897
On/Off Output 48 - 6025

Input 11

On/Off Output 1 - 10
On/Off Output 2 - 138
On/Off Output 3 - 266
On/Off Output 4 - 394
On/Off Output 5 - 522
On/Off Output 6 - 650
On/Off Output 7 - 778
On/Off Output 8 - 906
On/Off Output 9 - 1034
On/Off Output 10 - 1162
On/Off Output 11 - 1290
On/Off Output 12 - 1418
On/Off Output 13 - 1546
On/Off Output 14 - 1674
On/Off Output 15 - 1802
On/Off Output 16 - 1930
On/Off Output 17 - 2058
On/Off Output 18 - 2186
On/Off Output 19 - 2314
On/Off Output 20 - 2442
On/Off Output 21 - 2570
On/Off Output 22 - 2698
On/Off Output 23 - 2826
On/Off Output 24 - 2954
On/Off Output 25 - 3082
On/Off Output 26 - 3210
On/Off Output 27 - 3338
On/Off Output 28 - 3466
On/Off Output 29 - 3594
On/Off Output 30 - 3722
On/Off Output 31 - 3850
On/Off Output 32 - 3978
On/Off Output 33 - 4106
On/Off Output 34 - 4234
On/Off Output 35 - 4362
On/Off Output 36 - 4490
On/Off Output 37 - 4618
On/Off Output 38 - 4746
On/Off Output 39 - 4874
On/Off Output 40 - 5002
On/Off Output 41 - 5130
On/Off Output 42 - 5258
On/Off Output 43 - 5386
On/Off Output 44 - 5514
On/Off Output 45 - 5642
On/Off Output 46 - 5770
On/Off Output 47 - 5898
On/Off Output 48 - 6026

Input 12

On/Off Output 1 - 11
On/Off Output 2 - 139
On/Off Output 3 - 267
On/Off Output 4 - 395
On/Off Output 5 - 523
On/Off Output 6 - 651
On/Off Output 7 - 779
On/Off Output 8 - 907
On/Off Output 9 - 1035
On/Off Output 10 - 1163
On/Off Output 11 - 1291
On/Off Output 12 - 1419
On/Off Output 13 - 1547
On/Off Output 14 - 1675
On/Off Output 15 - 1803
On/Off Output 16 - 1931
On/Off Output 17 - 2059
On/Off Output 18 - 2187
On/Off Output 19 - 2315
On/Off Output 20 - 2443
On/Off Output 21 - 2571
On/Off Output 22 - 2699
On/Off Output 23 - 2827
On/Off Output 24 - 2955
On/Off Output 25 - 3083
On/Off Output 26 - 3211
On/Off Output 27 - 3339
On/Off Output 28 - 3467
On/Off Output 29 - 3595
On/Off Output 30 - 3723
On/Off Output 31 - 3851
On/Off Output 32 - 3979
On/Off Output 33 - 4107
On/Off Output 34 - 4235
On/Off Output 35 - 4363
On/Off Output 36 - 4491
On/Off Output 37 - 4619
On/Off Output 38 - 4747
On/Off Output 39 - 4875
On/Off Output 40 - 5003
On/Off Output 41 - 5131
On/Off Output 42 - 5259
On/Off Output 43 - 5387
On/Off Output 44 - 5515
On/Off Output 45 - 5643
On/Off Output 46 - 5771
On/Off Output 47 - 5899
On/Off Output 48 - 6027

Input 13

On/Off Output 1 - 12
On/Off Output 2 - 140
On/Off Output 3 - 268
On/Off Output 4 - 396
On/Off Output 5 - 524
On/Off Output 6 - 652
On/Off Output 7 - 780
On/Off Output 8 - 908
On/Off Output 9 - 1036
On/Off Output 10 - 1164
On/Off Output 11 - 1292
On/Off Output 12 - 1420
On/Off Output 13 - 1548
On/Off Output 14 - 1676
On/Off Output 15 - 1804
On/Off Output 16 - 1932
On/Off Output 17 - 2060

On/Off Output 18 - 2188
On/Off Output 19 - 2316
On/Off Output 20 - 2444
On/Off Output 21 - 2572
On/Off Output 22 - 2700
On/Off Output 23 - 2828
On/Off Output 24 - 2956
On/Off Output 25 - 3084
On/Off Output 26 - 3212
On/Off Output 27 - 3340
On/Off Output 28 - 3468
On/Off Output 29 - 3596
On/Off Output 30 - 3724
On/Off Output 31 - 3852
On/Off Output 32 - 3980
On/Off Output 33 - 4108
On/Off Output 34 - 4236
On/Off Output 35 - 4364
On/Off Output 36 - 4492
On/Off Output 37 - 4620
On/Off Output 38 - 4748
On/Off Output 39 - 4876
On/Off Output 40 - 5004
On/Off Output 41 - 5132
On/Off Output 42 - 5260
On/Off Output 43 - 5388
On/Off Output 44 - 5516
On/Off Output 45 - 5644
On/Off Output 46 - 5772
On/Off Output 47 - 5900
On/Off Output 48 - 6028

Input 14

On/Off Output 1 - 13
On/Off Output 2 - 141
On/Off Output 3 - 269
On/Off Output 4 - 397
On/Off Output 5 - 525
On/Off Output 6 - 653
On/Off Output 7 - 781
On/Off Output 8 - 909
On/Off Output 9 - 1037
On/Off Output 10 - 1165
On/Off Output 11 - 1293
On/Off Output 12 - 1421
On/Off Output 13 - 1549
On/Off Output 14 - 1677
On/Off Output 15 - 1805
On/Off Output 16 - 1933
On/Off Output 17 - 2061
On/Off Output 18 - 2189
On/Off Output 19 - 2317
On/Off Output 20 - 2445
On/Off Output 21 - 2573
On/Off Output 22 - 2701
On/Off Output 23 - 2829
On/Off Output 24 - 2957
On/Off Output 25 - 3085
On/Off Output 26 - 3213
On/Off Output 27 - 3341
On/Off Output 28 - 3469
On/Off Output 29 - 3597
On/Off Output 30 - 3725
On/Off Output 31 - 3853
On/Off Output 32 - 3981
On/Off Output 33 - 4109
On/Off Output 34 - 4237
On/Off Output 35 - 4365
On/Off Output 36 - 4493
On/Off Output 37 - 4621
On/Off Output 38 - 4749
On/Off Output 39 - 4877
On/Off Output 40 - 5005
On/Off Output 41 - 5133
On/Off Output 42 - 5261
On/Off Output 43 - 5389
On/Off Output 44 - 5517
On/Off Output 45 - 5645
On/Off Output 46 - 5773
On/Off Output 47 - 5901
On/Off Output 48 - 6029

Input 15

On/Off Output 1 - 14
On/Off Output 2 - 142
On/Off Output 3 - 270
On/Off Output 4 - 398
On/Off Output 5 - 526
On/Off Output 6 - 654
On/Off Output 7 - 782
On/Off Output 8 - 910
On/Off Output 9 - 1038
On/Off Output 10 - 1166
On/Off Output 11 - 1294
On/Off Output 12 - 1422
On/Off Output 13 - 1550
On/Off Output 14 - 1678
On/Off Output 15 - 1806
On/Off Output 16 - 1934
On/Off Output 17 - 2062
On/Off Output 18 - 2190
On/Off Output 19 - 2318
On/Off Output 20 - 2446
On/Off Output 21 - 2574
On/Off Output 22 - 2702
On/Off Output 23 - 2830
On/Off Output 24 - 2958
On/Off Output 25 - 3086
On/Off Output 26 - 3214
On/Off Output 27 - 3342
On/Off Output 28 - 3470
On/Off Output 29 - 3598
On/Off Output 30 - 3726
On/Off Output 31 - 3854
On/Off Output 32 - 3982
On/Off Output 33 - 4110
On/Off Output 34 - 4238
On/Off Output 35 - 4366
On/Off Output 36 - 4494
On/Off Output 37 - 4622
On/Off Output 38 - 4750
On/Off Output 39 - 4878
On/Off Output 40 - 5006
On/Off Output 41 - 5134
On/Off Output 42 - 5262
On/Off Output 43 - 5390
On/Off Output 44 - 5518
On/Off Output 45 - 5646
On/Off Output 46 - 5774
On/Off Output 47 - 5902
On/Off Output 48 - 6030

Input 16

On/Off Output 1 - 15
On/Off Output 2 - 143
On/Off Output 3 - 271
On/Off Output 4 - 399
On/Off Output 5 - 527
On/Off Output 6 - 655
On/Off Output 7 - 783
On/Off Output 8 - 911
On/Off Output 9 - 1039
On/Off Output 10 - 1167
On/Off Output 11 - 1295
On/Off Output 12 - 1423
On/Off Output 13 - 1551
On/Off Output 14 - 1679
On/Off Output 15 - 1807
On/Off Output 16 - 1935
On/Off Output 17 - 2063
On/Off Output 18 - 2191
On/Off Output 19 - 2319
On/Off Output 20 - 2447
On/Off Output 21 - 2575
On/Off Output 22 - 2703
On/Off Output 23 - 2831
On/Off Output 24 - 2959

On/Off Output 25 - 3087
On/Off Output 26 - 3215
On/Off Output 27 - 3343
On/Off Output 28 - 3471
On/Off Output 29 - 3599
On/Off Output 30 - 3727
On/Off Output 31 - 3855
On/Off Output 32 - 3983
On/Off Output 33 - 4111
On/Off Output 34 - 4239
On/Off Output 35 - 4367
On/Off Output 36 - 4495
On/Off Output 37 - 4623
On/Off Output 38 - 4751
On/Off Output 39 - 4879
On/Off Output 40 - 5007
On/Off Output 41 - 5135
On/Off Output 42 - 5263
On/Off Output 43 - 5391
On/Off Output 44 - 5519
On/Off Output 45 - 5647
On/Off Output 46 - 5775
On/Off Output 47 - 5903
On/Off Output 48 - 6031

Input 17

On/Off Output 1 - 16
On/Off Output 2 - 144
On/Off Output 3 - 272
On/Off Output 4 - 400
On/Off Output 5 - 528
On/Off Output 6 - 656
On/Off Output 7 - 784
On/Off Output 8 - 912
On/Off Output 9 - 1040
On/Off Output 10 - 1168
On/Off Output 11 - 1296
On/Off Output 12 - 1424
On/Off Output 13 - 1552
On/Off Output 14 - 1680
On/Off Output 15 - 1808
On/Off Output 16 - 1936
On/Off Output 17 - 2064
On/Off Output 18 - 2192
On/Off Output 19 - 2320
On/Off Output 20 - 2448
On/Off Output 21 - 2576
On/Off Output 22 - 2704
On/Off Output 23 - 2832
On/Off Output 24 - 2960
On/Off Output 25 - 3088
On/Off Output 26 - 3216
On/Off Output 27 - 3344
On/Off Output 28 - 3472
On/Off Output 29 - 3600
On/Off Output 30 - 3728
On/Off Output 31 - 3856
On/Off Output 32 - 3984
On/Off Output 33 - 4112
On/Off Output 34 - 4240
On/Off Output 35 - 4368
On/Off Output 36 - 4496
On/Off Output 37 - 4624
On/Off Output 38 - 4752
On/Off Output 39 - 4880
On/Off Output 40 - 5008
On/Off Output 41 - 5136
On/Off Output 42 - 5264
On/Off Output 43 - 5392
On/Off Output 44 - 5520
On/Off Output 45 - 5648
On/Off Output 46 - 5776
On/Off Output 47 - 5904
On/Off Output 48 - 6032

Input 18

On/Off Output 1 - 17
On/Off Output 2 - 145
On/Off Output 3 - 273
On/Off Output 4 - 401
On/Off Output 5 - 529
On/Off Output 6 - 657
On/Off Output 7 - 785
On/Off Output 8 - 913
On/Off Output 9 - 1041
On/Off Output 10 - 1169
On/Off Output 11 - 1297
On/Off Output 12 - 1425
On/Off Output 13 - 1553
On/Off Output 14 - 1681
On/Off Output 15 - 1809
On/Off Output 16 - 1937
On/Off Output 17 - 2065
On/Off Output 18 - 2193
On/Off Output 19 - 2321
On/Off Output 20 - 2449
On/Off Output 21 - 2577
On/Off Output 22 - 2705
On/Off Output 23 - 2833
On/Off Output 24 - 2961
On/Off Output 25 - 3089
On/Off Output 26 - 3217
On/Off Output 27 - 3345
On/Off Output 28 - 3473
On/Off Output 29 - 3601
On/Off Output 30 - 3729
On/Off Output 31 - 3857
On/Off Output 32 - 3985
On/Off Output 33 - 4113
On/Off Output 34 - 4241
On/Off Output 35 - 4369
On/Off Output 36 - 4497
On/Off Output 37 - 4625
On/Off Output 38 - 4753
On/Off Output 39 - 4881
On/Off Output 40 - 5009
On/Off Output 41 - 5137
On/Off Output 42 - 5265
On/Off Output 43 - 5393
On/Off Output 44 - 5521
On/Off Output 45 - 5649
On/Off Output 46 - 5777
On/Off Output 47 - 5905
On/Off Output 48 - 6033

Input 19

On/Off Output 1 - 18
On/Off Output 2 - 146
On/Off Output 3 - 274
On/Off Output 4 - 402
On/Off Output 5 - 530
On/Off Output 6 - 658
On/Off Output 7 - 786
On/Off Output 8 - 914
On/Off Output 9 - 1042
On/Off Output 10 - 1170
On/Off Output 11 - 1298
On/Off Output 12 - 1426
On/Off Output 13 - 1554
On/Off Output 14 - 1682
On/Off Output 15 - 1810
On/Off Output 16 - 1938
On/Off Output 17 - 2066
On/Off Output 18 - 2194
On/Off Output 19 - 2322
On/Off Output 20 - 2450
On/Off Output 21 - 2578
On/Off Output 22 - 2706
On/Off Output 23 - 2834
On/Off Output 24 - 2962
On/Off Output 25 - 3090
On/Off Output 26 - 3218
On/Off Output 27 - 3346
On/Off Output 28 - 3474
On/Off Output 29 - 3602
On/Off Output 30 - 3730
On/Off Output 31 - 3858

On/Off Output 32 - 3986
On/Off Output 33 - 4114
On/Off Output 34 - 4242
On/Off Output 35 - 4370
On/Off Output 36 - 4498
On/Off Output 37 - 4626
On/Off Output 38 - 4754
On/Off Output 39 - 4882
On/Off Output 40 - 5010
On/Off Output 41 - 5138
On/Off Output 42 - 5266
On/Off Output 43 - 5394
On/Off Output 44 - 5522
On/Off Output 45 - 5650
On/Off Output 46 - 5778
On/Off Output 47 - 5906
On/Off Output 48 - 6034

Input 20

On/Off Output 1 - 19
On/Off Output 2 - 147
On/Off Output 3 - 275
On/Off Output 4 - 403
On/Off Output 5 - 531
On/Off Output 6 - 659
On/Off Output 7 - 787
On/Off Output 8 - 915
On/Off Output 9 - 1043
On/Off Output 10 - 1171
On/Off Output 11 - 1299
On/Off Output 12 - 1427
On/Off Output 13 - 1555
On/Off Output 14 - 1683
On/Off Output 15 - 1811
On/Off Output 16 - 1939
On/Off Output 17 - 2067
On/Off Output 18 - 2195
On/Off Output 19 - 2323
On/Off Output 20 - 2451
On/Off Output 21 - 2579
On/Off Output 22 - 2707
On/Off Output 23 - 2835
On/Off Output 24 - 2963
On/Off Output 25 - 3091
On/Off Output 26 - 3219
On/Off Output 27 - 3347
On/Off Output 28 - 3475
On/Off Output 29 - 3603
On/Off Output 30 - 3731
On/Off Output 31 - 3859
On/Off Output 32 - 3987
On/Off Output 33 - 4115
On/Off Output 34 - 4243
On/Off Output 35 - 4371
On/Off Output 36 - 4499
On/Off Output 37 - 4627
On/Off Output 38 - 4755
On/Off Output 39 - 4883
On/Off Output 40 - 5011
On/Off Output 41 - 5139
On/Off Output 42 - 5267
On/Off Output 43 - 5395
On/Off Output 44 - 5523
On/Off Output 45 - 5651
On/Off Output 46 - 5779
On/Off Output 47 - 5907
On/Off Output 48 - 6035

Input 21

On/Off Output 1 - 20
On/Off Output 2 - 148
On/Off Output 3 - 276
On/Off Output 4 - 404
On/Off Output 5 - 532
On/Off Output 6 - 660
On/Off Output 7 - 788
On/Off Output 8 - 916
On/Off Output 9 - 1044
On/Off Output 10 - 1172
On/Off Output 11 - 1300
On/Off Output 12 - 1428
On/Off Output 13 - 1556
On/Off Output 14 - 1684
On/Off Output 15 - 1812
On/Off Output 16 - 1940
On/Off Output 17 - 2068
On/Off Output 18 - 2196
On/Off Output 19 - 2324
On/Off Output 20 - 2452
On/Off Output 21 - 2580
On/Off Output 22 - 2708
On/Off Output 23 - 2836
On/Off Output 24 - 2964
On/Off Output 25 - 3092
On/Off Output 26 - 3220
On/Off Output 27 - 3348
On/Off Output 28 - 3476
On/Off Output 29 - 3604
On/Off Output 30 - 3732
On/Off Output 31 - 3860
On/Off Output 32 - 3988
On/Off Output 33 - 4116
On/Off Output 34 - 4244
On/Off Output 35 - 4372
On/Off Output 36 - 4500
On/Off Output 37 - 4628
On/Off Output 38 - 4756
On/Off Output 39 - 4884
On/Off Output 40 - 5012
On/Off Output 41 - 5140
On/Off Output 42 - 5268
On/Off Output 43 - 5396
On/Off Output 44 - 5524
On/Off Output 45 - 5652
On/Off Output 46 - 5780
On/Off Output 47 - 5908
On/Off Output 48 - 6036

Input 22

On/Off Output 1 - 21
On/Off Output 2 - 149
On/Off Output 3 - 277
On/Off Output 4 - 405
On/Off Output 5 - 533
On/Off Output 6 - 661
On/Off Output 7 - 789
On/Off Output 8 - 917
On/Off Output 9 - 1045
On/Off Output 10 - 1173
On/Off Output 11 - 1301
On/Off Output 12 - 1429
On/Off Output 13 - 1557
On/Off Output 14 - 1685
On/Off Output 15 - 1813
On/Off Output 16 - 1941
On/Off Output 17 - 2069
On/Off Output 18 - 2197
On/Off Output 19 - 2325
On/Off Output 20 - 2453
On/Off Output 21 - 2581
On/Off Output 22 - 2709
On/Off Output 23 - 2837
On/Off Output 24 - 2965
On/Off Output 25 - 3093
On/Off Output 26 - 3221
On/Off Output 27 - 3349
On/Off Output 28 - 3477
On/Off Output 29 - 3605
On/Off Output 30 - 3733
On/Off Output 31 - 3861
On/Off Output 32 - 3989
On/Off Output 33 - 4117
On/Off Output 34 - 4245
On/Off Output 35 - 4373
On/Off Output 36 - 4501
On/Off Output 37 - 4629
On/Off Output 38 - 4757

On/Off Output 39 - 4885
On/Off Output 40 - 5013
On/Off Output 41 - 5141
On/Off Output 42 - 5269
On/Off Output 43 - 5397
On/Off Output 44 - 5525
On/Off Output 45 - 5653
On/Off Output 46 - 5781
On/Off Output 47 - 5909
On/Off Output 48 - 6037

Input 23

On/Off Output 1 - 22
On/Off Output 2 - 150
On/Off Output 3 - 278
On/Off Output 4 - 406
On/Off Output 5 - 534
On/Off Output 6 - 662
On/Off Output 7 - 790
On/Off Output 8 - 918
On/Off Output 9 - 1046
On/Off Output 10 - 1174
On/Off Output 11 - 1302
On/Off Output 12 - 1430
On/Off Output 13 - 1558
On/Off Output 14 - 1686
On/Off Output 15 - 1814
On/Off Output 16 - 1942
On/Off Output 17 - 2070
On/Off Output 18 - 2198
On/Off Output 19 - 2326
On/Off Output 20 - 2454
On/Off Output 21 - 2582
On/Off Output 22 - 2710
On/Off Output 23 - 2838
On/Off Output 24 - 2966
On/Off Output 25 - 3094
On/Off Output 26 - 3222
On/Off Output 27 - 3350
On/Off Output 28 - 3478
On/Off Output 29 - 3606
On/Off Output 30 - 3734
On/Off Output 31 - 3862
On/Off Output 32 - 3990
On/Off Output 33 - 4118
On/Off Output 34 - 4246
On/Off Output 35 - 4374
On/Off Output 36 - 4502
On/Off Output 37 - 4630
On/Off Output 38 - 4758
On/Off Output 39 - 4886
On/Off Output 40 - 5014
On/Off Output 41 - 5142
On/Off Output 42 - 5270
On/Off Output 43 - 5398
On/Off Output 44 - 5526
On/Off Output 45 - 5654
On/Off Output 46 - 5782
On/Off Output 47 - 5910
On/Off Output 48 - 6038

Input 24

On/Off Output 1 - 23
On/Off Output 2 - 151
On/Off Output 3 - 279
On/Off Output 4 - 407
On/Off Output 5 - 535
On/Off Output 6 - 663
On/Off Output 7 - 791
On/Off Output 8 - 919
On/Off Output 9 - 1047
On/Off Output 10 - 1175
On/Off Output 11 - 1303
On/Off Output 12 - 1431
On/Off Output 13 - 1559
On/Off Output 14 - 1687
On/Off Output 15 - 1815
On/Off Output 16 - 1943
On/Off Output 17 - 2071
On/Off Output 18 - 2199
On/Off Output 19 - 2327
On/Off Output 20 - 2455
On/Off Output 21 - 2583
On/Off Output 22 - 2711
On/Off Output 23 - 2839
On/Off Output 24 - 2967
On/Off Output 25 - 3095
On/Off Output 26 - 3223
On/Off Output 27 - 3351
On/Off Output 28 - 3479
On/Off Output 29 - 3607
On/Off Output 30 - 3735
On/Off Output 31 - 3863
On/Off Output 32 - 3991
On/Off Output 33 - 4119
On/Off Output 34 - 4247
On/Off Output 35 - 4375
On/Off Output 36 - 4503
On/Off Output 37 - 4631
On/Off Output 38 - 4759
On/Off Output 39 - 4887
On/Off Output 40 - 5015
On/Off Output 41 - 5143
On/Off Output 42 - 5271
On/Off Output 43 - 5399
On/Off Output 44 - 5527
On/Off Output 45 - 5655
On/Off Output 46 - 5783
On/Off Output 47 - 5911
On/Off Output 48 - 6039

Input 25

On/Off Output 1 - 24
On/Off Output 2 - 152
On/Off Output 3 - 280
On/Off Output 4 - 408
On/Off Output 5 - 536
On/Off Output 6 - 664
On/Off Output 7 - 792
On/Off Output 8 - 920
On/Off Output 9 - 1048
On/Off Output 10 - 1176
On/Off Output 11 - 1304
On/Off Output 12 - 1432
On/Off Output 13 - 1560
On/Off Output 14 - 1688
On/Off Output 15 - 1816
On/Off Output 16 - 1944
On/Off Output 17 - 2072
On/Off Output 18 - 2200
On/Off Output 19 - 2328
On/Off Output 20 - 2456
On/Off Output 21 - 2584
On/Off Output 22 - 2712
On/Off Output 23 - 2840
On/Off Output 24 - 2968
On/Off Output 25 - 3096
On/Off Output 26 - 3224
On/Off Output 27 - 3352
On/Off Output 28 - 3480
On/Off Output 29 - 3608
On/Off Output 30 - 3736
On/Off Output 31 - 3864
On/Off Output 32 - 3992
On/Off Output 33 - 4120
On/Off Output 34 - 4248
On/Off Output 35 - 4376
On/Off Output 36 - 4504
On/Off Output 37 - 4632
On/Off Output 38 - 4760
On/Off Output 39 - 4888
On/Off Output 40 - 5016
On/Off Output 41 - 5144
On/Off Output 42 - 5272
On/Off Output 43 - 5400
On/Off Output 44 - 5528
On/Off Output 45 - 5656

On/Off Output 46 - 5784
On/Off Output 47 - 5912
On/Off Output 48 - 6040

Input 26

On/Off Output 1 - 25
On/Off Output 2 - 153
On/Off Output 3 - 281
On/Off Output 4 - 409
On/Off Output 5 - 537
On/Off Output 6 - 665
On/Off Output 7 - 793
On/Off Output 8 - 921
On/Off Output 9 - 1049
On/Off Output 10 - 1177
On/Off Output 11 - 1305
On/Off Output 12 - 1433
On/Off Output 13 - 1561
On/Off Output 14 - 1689
On/Off Output 15 - 1817
On/Off Output 16 - 1945
On/Off Output 17 - 2073
On/Off Output 18 - 2201
On/Off Output 19 - 2329
On/Off Output 20 - 2457
On/Off Output 21 - 2585
On/Off Output 22 - 2713
On/Off Output 23 - 2841
On/Off Output 24 - 2969
On/Off Output 25 - 3097
On/Off Output 26 - 3225
On/Off Output 27 - 3353
On/Off Output 28 - 3481
On/Off Output 29 - 3609
On/Off Output 30 - 3737
On/Off Output 31 - 3865
On/Off Output 32 - 3993
On/Off Output 33 - 4121
On/Off Output 34 - 4249
On/Off Output 35 - 4377
On/Off Output 36 - 4505
On/Off Output 37 - 4633
On/Off Output 38 - 4761
On/Off Output 39 - 4889
On/Off Output 40 - 5017
On/Off Output 41 - 5145
On/Off Output 42 - 5273
On/Off Output 43 - 5401
On/Off Output 44 - 5529
On/Off Output 45 - 5657
On/Off Output 46 - 5785
On/Off Output 47 - 5913
On/Off Output 48 - 6041

Input 27

On/Off Output 1 - 26
On/Off Output 2 - 154
On/Off Output 3 - 282
On/Off Output 4 - 410
On/Off Output 5 - 538
On/Off Output 6 - 666
On/Off Output 7 - 794
On/Off Output 8 - 922
On/Off Output 9 - 1050
On/Off Output 10 - 1178
On/Off Output 11 - 1306
On/Off Output 12 - 1434
On/Off Output 13 - 1562
On/Off Output 14 - 1690
On/Off Output 15 - 1818
On/Off Output 16 - 1946
On/Off Output 17 - 2074
On/Off Output 18 - 2202
On/Off Output 19 - 2330
On/Off Output 20 - 2458
On/Off Output 21 - 2586
On/Off Output 22 - 2714
On/Off Output 23 - 2842
On/Off Output 24 - 2970
On/Off Output 25 - 3098
On/Off Output 26 - 3226
On/Off Output 27 - 3354
On/Off Output 28 - 3482
On/Off Output 29 - 3610
On/Off Output 30 - 3738
On/Off Output 31 - 3866
On/Off Output 32 - 3994
On/Off Output 33 - 4122
On/Off Output 34 - 4250
On/Off Output 35 - 4378
On/Off Output 36 - 4506
On/Off Output 37 - 4634
On/Off Output 38 - 4762
On/Off Output 39 - 4890
On/Off Output 40 - 5018
On/Off Output 41 - 5146
On/Off Output 42 - 5274
On/Off Output 43 - 5402
On/Off Output 44 - 5530
On/Off Output 45 - 5658
On/Off Output 46 - 5786
On/Off Output 47 - 5914
On/Off Output 48 - 6042

Input 28

On/Off Output 1 - 27
On/Off Output 2 - 155
On/Off Output 3 - 283
On/Off Output 4 - 411
On/Off Output 5 - 539
On/Off Output 6 - 667
On/Off Output 7 - 795
On/Off Output 8 - 923
On/Off Output 9 - 1051
On/Off Output 10 - 1179
On/Off Output 11 - 1307
On/Off Output 12 - 1435
On/Off Output 13 - 1563
On/Off Output 14 - 1691
On/Off Output 15 - 1819
On/Off Output 16 - 1947
On/Off Output 17 - 2075
On/Off Output 18 - 2203
On/Off Output 19 - 2331
On/Off Output 20 - 2459
On/Off Output 21 - 2587
On/Off Output 22 - 2715
On/Off Output 23 - 2843
On/Off Output 24 - 2971
On/Off Output 25 - 3099
On/Off Output 26 - 3227
On/Off Output 27 - 3355
On/Off Output 28 - 3483
On/Off Output 29 - 3611
On/Off Output 30 - 3739
On/Off Output 31 - 3867
On/Off Output 32 - 3995
On/Off Output 33 - 4123
On/Off Output 34 - 4251
On/Off Output 35 - 4379
On/Off Output 36 - 4507
On/Off Output 37 - 4635
On/Off Output 38 - 4763
On/Off Output 39 - 4891
On/Off Output 40 - 5019
On/Off Output 41 - 5147
On/Off Output 42 - 5275
On/Off Output 43 - 5403
On/Off Output 44 - 5531
On/Off Output 45 - 5659
On/Off Output 46 - 5787
On/Off Output 47 - 5915
On/Off Output 48 - 6043

Input 29

On/Off Output 1 - 28
On/Off Output 2 - 156
On/Off Output 3 - 284

On/Off Output 4 - 412
On/Off Output 5 - 540
On/Off Output 6 - 668
On/Off Output 7 - 796
On/Off Output 8 - 924
On/Off Output 9 - 1052
On/Off Output 10 - 1180
On/Off Output 11 - 1308
On/Off Output 12 - 1436
On/Off Output 13 - 1564
On/Off Output 14 - 1692
On/Off Output 15 - 1820
On/Off Output 16 - 1948
On/Off Output 17 - 2076
On/Off Output 18 - 2204
On/Off Output 19 - 2332
On/Off Output 20 - 2460
On/Off Output 21 - 2588
On/Off Output 22 - 2716
On/Off Output 23 - 2844
On/Off Output 24 - 2972
On/Off Output 25 - 3100
On/Off Output 26 - 3228
On/Off Output 27 - 3356
On/Off Output 28 - 3484
On/Off Output 29 - 3612
On/Off Output 30 - 3740
On/Off Output 31 - 3868
On/Off Output 32 - 3996
On/Off Output 33 - 4124
On/Off Output 34 - 4252
On/Off Output 35 - 4380
On/Off Output 36 - 4508
On/Off Output 37 - 4636
On/Off Output 38 - 4764
On/Off Output 39 - 4892
On/Off Output 40 - 5020
On/Off Output 41 - 5148
On/Off Output 42 - 5276
On/Off Output 43 - 5404
On/Off Output 44 - 5532
On/Off Output 45 - 5660
On/Off Output 46 - 5788
On/Off Output 47 - 5916
On/Off Output 48 - 6044

Input 30

On/Off Output 1 - 29
On/Off Output 2 - 157
On/Off Output 3 - 285
On/Off Output 4 - 413
On/Off Output 5 - 541
On/Off Output 6 - 669
On/Off Output 7 - 797
On/Off Output 8 - 925
On/Off Output 9 - 1053
On/Off Output 10 - 1181
On/Off Output 11 - 1309
On/Off Output 12 - 1437
On/Off Output 13 - 1565
On/Off Output 14 - 1693
On/Off Output 15 - 1821
On/Off Output 16 - 1949
On/Off Output 17 - 2077
On/Off Output 18 - 2205
On/Off Output 19 - 2333
On/Off Output 20 - 2461
On/Off Output 21 - 2589
On/Off Output 22 - 2717
On/Off Output 23 - 2845
On/Off Output 24 - 2973
On/Off Output 25 - 3101
On/Off Output 26 - 3229
On/Off Output 27 - 3357
On/Off Output 28 - 3485
On/Off Output 29 - 3613
On/Off Output 30 - 3741
On/Off Output 31 - 3869
On/Off Output 32 - 3997
On/Off Output 33 - 4125
On/Off Output 34 - 4253
On/Off Output 35 - 4381
On/Off Output 36 - 4509
On/Off Output 37 - 4637
On/Off Output 38 - 4765
On/Off Output 39 - 4893
On/Off Output 40 - 5021
On/Off Output 41 - 5149
On/Off Output 42 - 5277
On/Off Output 43 - 5405
On/Off Output 44 - 5533
On/Off Output 45 - 5661
On/Off Output 46 - 5789
On/Off Output 47 - 5917
On/Off Output 48 - 6045

Input 31

On/Off Output 1 - 30
On/Off Output 2 - 158
On/Off Output 3 - 286
On/Off Output 4 - 414
On/Off Output 5 - 542
On/Off Output 6 - 670
On/Off Output 7 - 798
On/Off Output 8 - 926
On/Off Output 9 - 1054
On/Off Output 10 - 1182
On/Off Output 11 - 1310
On/Off Output 12 - 1438
On/Off Output 13 - 1566
On/Off Output 14 - 1694
On/Off Output 15 - 1822
On/Off Output 16 - 1950
On/Off Output 17 - 2078
On/Off Output 18 - 2206
On/Off Output 19 - 2334
On/Off Output 20 - 2462
On/Off Output 21 - 2590
On/Off Output 22 - 2718
On/Off Output 23 - 2846
On/Off Output 24 - 2974
On/Off Output 25 - 3102
On/Off Output 26 - 3230
On/Off Output 27 - 3358
On/Off Output 28 - 3486
On/Off Output 29 - 3614
On/Off Output 30 - 3742
On/Off Output 31 - 3870
On/Off Output 32 - 3998
On/Off Output 33 - 4126
On/Off Output 34 - 4254
On/Off Output 35 - 4382
On/Off Output 36 - 4510
On/Off Output 37 - 4638
On/Off Output 38 - 4766
On/Off Output 39 - 4894
On/Off Output 40 - 5022
On/Off Output 41 - 5150
On/Off Output 42 - 5278
On/Off Output 43 - 5406
On/Off Output 44 - 5534
On/Off Output 45 - 5662
On/Off Output 46 - 5790
On/Off Output 47 - 5918
On/Off Output 48 - 6046

Input 32

On/Off Output 1 - 31
On/Off Output 2 - 159
On/Off Output 3 - 287
On/Off Output 4 - 415
On/Off Output 5 - 543
On/Off Output 6 - 671
On/Off Output 7 - 799
On/Off Output 8 - 927
On/Off Output 9 - 1055
On/Off Output 10 - 1183

On/Off Output 11 - 1311
On/Off Output 12 - 1439
On/Off Output 13 - 1567
On/Off Output 14 - 1695
On/Off Output 15 - 1823
On/Off Output 16 - 1951
On/Off Output 17 - 2079
On/Off Output 18 - 2207
On/Off Output 19 - 2335
On/Off Output 20 - 2463
On/Off Output 21 - 2591
On/Off Output 22 - 2719
On/Off Output 23 - 2847
On/Off Output 24 - 2975
On/Off Output 25 - 3103
On/Off Output 26 - 3231
On/Off Output 27 - 3359
On/Off Output 28 - 3487
On/Off Output 29 - 3615
On/Off Output 30 - 3743
On/Off Output 31 - 3871
On/Off Output 32 - 3999
On/Off Output 33 - 4127
On/Off Output 34 - 4255
On/Off Output 35 - 4383
On/Off Output 36 - 4511
On/Off Output 37 - 4639
On/Off Output 38 - 4767
On/Off Output 39 - 4895
On/Off Output 40 - 5023
On/Off Output 41 - 5151
On/Off Output 42 - 5279
On/Off Output 43 - 5407
On/Off Output 44 - 5535
On/Off Output 45 - 5663
On/Off Output 46 - 5791
On/Off Output 47 - 5919
On/Off Output 48 - 6047

Input 33

On/Off Output 1 - 32
On/Off Output 2 - 160
On/Off Output 3 - 288
On/Off Output 4 - 416
On/Off Output 5 - 544
On/Off Output 6 - 672
On/Off Output 7 - 800
On/Off Output 8 - 928
On/Off Output 9 - 1056
On/Off Output 10 - 1184
On/Off Output 11 - 1312
On/Off Output 12 - 1440
On/Off Output 13 - 1568
On/Off Output 14 - 1696
On/Off Output 15 - 1824
On/Off Output 16 - 1952
On/Off Output 17 - 2080
On/Off Output 18 - 2208
On/Off Output 19 - 2336
On/Off Output 20 - 2464
On/Off Output 21 - 2592
On/Off Output 22 - 2720
On/Off Output 23 - 2848
On/Off Output 24 - 2976
On/Off Output 25 - 3104
On/Off Output 26 - 3232
On/Off Output 27 - 3360
On/Off Output 28 - 3488
On/Off Output 29 - 3616
On/Off Output 30 - 3744
On/Off Output 31 - 3872
On/Off Output 32 - 4000
On/Off Output 33 - 4128
On/Off Output 34 - 4256
On/Off Output 35 - 4384
On/Off Output 36 - 4512
On/Off Output 37 - 4640
On/Off Output 38 - 4768
On/Off Output 39 - 4896
On/Off Output 40 - 5024
On/Off Output 41 - 5152
On/Off Output 42 - 5280
On/Off Output 43 - 5408
On/Off Output 44 - 5536
On/Off Output 45 - 5664
On/Off Output 46 - 5792
On/Off Output 47 - 5920
On/Off Output 48 - 6048

Input 34

On/Off Output 1 - 33
On/Off Output 2 - 161
On/Off Output 3 - 289
On/Off Output 4 - 417
On/Off Output 5 - 545
On/Off Output 6 - 673
On/Off Output 7 - 801
On/Off Output 8 - 929
On/Off Output 9 - 1057
On/Off Output 10 - 1185
On/Off Output 11 - 1313
On/Off Output 12 - 1441
On/Off Output 13 - 1569
On/Off Output 14 - 1697
On/Off Output 15 - 1825
On/Off Output 16 - 1953
On/Off Output 17 - 2081
On/Off Output 18 - 2209
On/Off Output 19 - 2337
On/Off Output 20 - 2465
On/Off Output 21 - 2593
On/Off Output 22 - 2721
On/Off Output 23 - 2849
On/Off Output 24 - 2977
On/Off Output 25 - 3105
On/Off Output 26 - 3233
On/Off Output 27 - 3361
On/Off Output 28 - 3489
On/Off Output 29 - 3617
On/Off Output 30 - 3745
On/Off Output 31 - 3873
On/Off Output 32 - 4001
On/Off Output 33 - 4129
On/Off Output 34 - 4257
On/Off Output 35 - 4385
On/Off Output 36 - 4513
On/Off Output 37 - 4641
On/Off Output 38 - 4769
On/Off Output 39 - 4897
On/Off Output 40 - 5025
On/Off Output 41 - 5153
On/Off Output 42 - 5281
On/Off Output 43 - 5409
On/Off Output 44 - 5537
On/Off Output 45 - 5665
On/Off Output 46 - 5793
On/Off Output 47 - 5921
On/Off Output 48 - 6049

Input 35

On/Off Output 1 - 34
On/Off Output 2 - 162
On/Off Output 3 - 290
On/Off Output 4 - 418
On/Off Output 5 - 546
On/Off Output 6 - 674
On/Off Output 7 - 802
On/Off Output 8 - 930
On/Off Output 9 - 1058
On/Off Output 10 - 1186
On/Off Output 11 - 1314
On/Off Output 12 - 1442
On/Off Output 13 - 1570
On/Off Output 14 - 1698
On/Off Output 15 - 1826
On/Off Output 16 - 1954
On/Off Output 17 - 2082

On/Off Output 18 - 2210
On/Off Output 19 - 2338
On/Off Output 20 - 2466
On/Off Output 21 - 2594
On/Off Output 22 - 2722
On/Off Output 23 - 2850
On/Off Output 24 - 2978
On/Off Output 25 - 3106
On/Off Output 26 - 3234
On/Off Output 27 - 3362
On/Off Output 28 - 3490
On/Off Output 29 - 3618
On/Off Output 30 - 3746
On/Off Output 31 - 3874
On/Off Output 32 - 4002
On/Off Output 33 - 4130
On/Off Output 34 - 4258
On/Off Output 35 - 4386
On/Off Output 36 - 4514
On/Off Output 37 - 4642
On/Off Output 38 - 4770
On/Off Output 39 - 4898
On/Off Output 40 - 5026
On/Off Output 41 - 5154
On/Off Output 42 - 5282
On/Off Output 43 - 5410
On/Off Output 44 - 5538
On/Off Output 45 - 5666
On/Off Output 46 - 5794
On/Off Output 47 - 5922
On/Off Output 48 - 6050

Input 36

On/Off Output 1 - 35
On/Off Output 2 - 163
On/Off Output 3 - 291
On/Off Output 4 - 419
On/Off Output 5 - 547
On/Off Output 6 - 675
On/Off Output 7 - 803
On/Off Output 8 - 931
On/Off Output 9 - 1059
On/Off Output 10 - 1187
On/Off Output 11 - 1315
On/Off Output 12 - 1443
On/Off Output 13 - 1571
On/Off Output 14 - 1699
On/Off Output 15 - 1827
On/Off Output 16 - 1955
On/Off Output 17 - 2083
On/Off Output 18 - 2211
On/Off Output 19 - 2339
On/Off Output 20 - 2467
On/Off Output 21 - 2595
On/Off Output 22 - 2723
On/Off Output 23 - 2851
On/Off Output 24 - 2979
On/Off Output 25 - 3107
On/Off Output 26 - 3235
On/Off Output 27 - 3363
On/Off Output 28 - 3491
On/Off Output 29 - 3619
On/Off Output 30 - 3747
On/Off Output 31 - 3875
On/Off Output 32 - 4003
On/Off Output 33 - 4131
On/Off Output 34 - 4259
On/Off Output 35 - 4387
On/Off Output 36 - 4515
On/Off Output 37 - 4643
On/Off Output 38 - 4771
On/Off Output 39 - 4899
On/Off Output 40 - 5027
On/Off Output 41 - 5155
On/Off Output 42 - 5283
On/Off Output 43 - 5411
On/Off Output 44 - 5539
On/Off Output 45 - 5667
On/Off Output 46 - 5795
On/Off Output 47 - 5923
On/Off Output 48 - 6051

Input 37

On/Off Output 1 - 36
On/Off Output 2 - 164
On/Off Output 3 - 292
On/Off Output 4 - 420
On/Off Output 5 - 548
On/Off Output 6 - 676
On/Off Output 7 - 804
On/Off Output 8 - 932
On/Off Output 9 - 1060
On/Off Output 10 - 1188
On/Off Output 11 - 1316
On/Off Output 12 - 1444
On/Off Output 13 - 1572
On/Off Output 14 - 1700
On/Off Output 15 - 1828
On/Off Output 16 - 1956
On/Off Output 17 - 2084
On/Off Output 18 - 2212
On/Off Output 19 - 2340
On/Off Output 20 - 2468
On/Off Output 21 - 2596
On/Off Output 22 - 2724
On/Off Output 23 - 2852
On/Off Output 24 - 2980
On/Off Output 25 - 3108
On/Off Output 26 - 3236
On/Off Output 27 - 3364
On/Off Output 28 - 3492
On/Off Output 29 - 3620
On/Off Output 30 - 3748
On/Off Output 31 - 3876
On/Off Output 32 - 4004
On/Off Output 33 - 4132
On/Off Output 34 - 4260
On/Off Output 35 - 4388
On/Off Output 36 - 4516
On/Off Output 37 - 4644
On/Off Output 38 - 4772
On/Off Output 39 - 4900
On/Off Output 40 - 5028
On/Off Output 41 - 5156
On/Off Output 42 - 5284
On/Off Output 43 - 5412
On/Off Output 44 - 5540
On/Off Output 45 - 5668
On/Off Output 46 - 5796
On/Off Output 47 - 5924
On/Off Output 48 - 6052

Input 38

On/Off Output 1 - 37
On/Off Output 2 - 165
On/Off Output 3 - 293
On/Off Output 4 - 421
On/Off Output 5 - 549
On/Off Output 6 - 677
On/Off Output 7 - 805
On/Off Output 8 - 933
On/Off Output 9 - 1061
On/Off Output 10 - 1189
On/Off Output 11 - 1317
On/Off Output 12 - 1445
On/Off Output 13 - 1573
On/Off Output 14 - 1701
On/Off Output 15 - 1829
On/Off Output 16 - 1957
On/Off Output 17 - 2085
On/Off Output 18 - 2213
On/Off Output 19 - 2341
On/Off Output 20 - 2469
On/Off Output 21 - 2597
On/Off Output 22 - 2725
On/Off Output 23 - 2853
On/Off Output 24 - 2981

On/Off Output 25 - 3109
On/Off Output 26 - 3237
On/Off Output 27 - 3365
On/Off Output 28 - 3493
On/Off Output 29 - 3621
On/Off Output 30 - 3749
On/Off Output 31 - 3877
On/Off Output 32 - 4005
On/Off Output 33 - 4133
On/Off Output 34 - 4261
On/Off Output 35 - 4389
On/Off Output 36 - 4517
On/Off Output 37 - 4645
On/Off Output 38 - 4773
On/Off Output 39 - 4901
On/Off Output 40 - 5029
On/Off Output 41 - 5157
On/Off Output 42 - 5285
On/Off Output 43 - 5413
On/Off Output 44 - 5541
On/Off Output 45 - 5669
On/Off Output 46 - 5797
On/Off Output 47 - 5925
On/Off Output 48 - 6053

Input 39

On/Off Output 1 - 38
On/Off Output 2 - 166
On/Off Output 3 - 294
On/Off Output 4 - 422
On/Off Output 5 - 550
On/Off Output 6 - 678
On/Off Output 7 - 806
On/Off Output 8 - 934
On/Off Output 9 - 1062
On/Off Output 10 - 1190
On/Off Output 11 - 1318
On/Off Output 12 - 1446
On/Off Output 13 - 1574
On/Off Output 14 - 1702
On/Off Output 15 - 1830
On/Off Output 16 - 1958
On/Off Output 17 - 2086
On/Off Output 18 - 2214
On/Off Output 19 - 2342
On/Off Output 20 - 2470
On/Off Output 21 - 2598
On/Off Output 22 - 2726
On/Off Output 23 - 2854
On/Off Output 24 - 2982
On/Off Output 25 - 3110
On/Off Output 26 - 3238
On/Off Output 27 - 3366
On/Off Output 28 - 3494
On/Off Output 29 - 3622
On/Off Output 30 - 3750
On/Off Output 31 - 3878
On/Off Output 32 - 4006
On/Off Output 33 - 4134
On/Off Output 34 - 4262
On/Off Output 35 - 4390
On/Off Output 36 - 4518
On/Off Output 37 - 4646
On/Off Output 38 - 4774
On/Off Output 39 - 4902
On/Off Output 40 - 5030
On/Off Output 41 - 5158
On/Off Output 42 - 5286
On/Off Output 43 - 5414
On/Off Output 44 - 5542
On/Off Output 45 - 5670
On/Off Output 46 - 5798
On/Off Output 47 - 5926
On/Off Output 48 - 6054

Input 40

On/Off Output 1 - 39
On/Off Output 2 - 167
On/Off Output 3 - 295
On/Off Output 4 - 423
On/Off Output 5 - 551
On/Off Output 6 - 679
On/Off Output 7 - 807
On/Off Output 8 - 935
On/Off Output 9 - 1063
On/Off Output 10 - 1191
On/Off Output 11 - 1319
On/Off Output 12 - 1447
On/Off Output 13 - 1575
On/Off Output 14 - 1703
On/Off Output 15 - 1831
On/Off Output 16 - 1959
On/Off Output 17 - 2087
On/Off Output 18 - 2215
On/Off Output 19 - 2343
On/Off Output 20 - 2471
On/Off Output 21 - 2599
On/Off Output 22 - 2727
On/Off Output 23 - 2855
On/Off Output 24 - 2983
On/Off Output 25 - 3111
On/Off Output 26 - 3239
On/Off Output 27 - 3367
On/Off Output 28 - 3495
On/Off Output 29 - 3623
On/Off Output 30 - 3751
On/Off Output 31 - 3879
On/Off Output 32 - 4007
On/Off Output 33 - 4135
On/Off Output 34 - 4263
On/Off Output 35 - 4391
On/Off Output 36 - 4519
On/Off Output 37 - 4647
On/Off Output 38 - 4775
On/Off Output 39 - 4903
On/Off Output 40 - 5031
On/Off Output 41 - 5159
On/Off Output 42 - 5287
On/Off Output 43 - 5415
On/Off Output 44 - 5543
On/Off Output 45 - 5671
On/Off Output 46 - 5799
On/Off Output 47 - 5927
On/Off Output 48 - 6055

Input 41

On/Off Output 1 - 40
On/Off Output 2 - 168
On/Off Output 3 - 296
On/Off Output 4 - 424
On/Off Output 5 - 552
On/Off Output 6 - 680
On/Off Output 7 - 808
On/Off Output 8 - 936
On/Off Output 9 - 1064
On/Off Output 10 - 1192
On/Off Output 11 - 1320
On/Off Output 12 - 1448
On/Off Output 13 - 1576
On/Off Output 14 - 1704
On/Off Output 15 - 1832
On/Off Output 16 - 1960
On/Off Output 17 - 2088
On/Off Output 18 - 2216
On/Off Output 19 - 2344
On/Off Output 20 - 2472
On/Off Output 21 - 2600
On/Off Output 22 - 2728
On/Off Output 23 - 2856
On/Off Output 24 - 2984
On/Off Output 25 - 3112
On/Off Output 26 - 3240
On/Off Output 27 - 3368
On/Off Output 28 - 3496
On/Off Output 29 - 3624
On/Off Output 30 - 3752
On/Off Output 31 - 3880

On/Off Output 32 - 4008
On/Off Output 33 - 4136
On/Off Output 34 - 4264
On/Off Output 35 - 4392
On/Off Output 36 - 4520
On/Off Output 37 - 4648
On/Off Output 38 - 4776
On/Off Output 39 - 4904
On/Off Output 40 - 5032
On/Off Output 41 - 5160
On/Off Output 42 - 5288
On/Off Output 43 - 5416
On/Off Output 44 - 5544
On/Off Output 45 - 5672
On/Off Output 46 - 5800
On/Off Output 47 - 5928
On/Off Output 48 - 6056

Input 42

On/Off Output 1 - 41
On/Off Output 2 - 169
On/Off Output 3 - 297
On/Off Output 4 - 425
On/Off Output 5 - 553
On/Off Output 6 - 681
On/Off Output 7 - 809
On/Off Output 8 - 937
On/Off Output 9 - 1065
On/Off Output 10 - 1193
On/Off Output 11 - 1321
On/Off Output 12 - 1449
On/Off Output 13 - 1577
On/Off Output 14 - 1705
On/Off Output 15 - 1833
On/Off Output 16 - 1961
On/Off Output 17 - 2089
On/Off Output 18 - 2217
On/Off Output 19 - 2345
On/Off Output 20 - 2473
On/Off Output 21 - 2601
On/Off Output 22 - 2729
On/Off Output 23 - 2857
On/Off Output 24 - 2985
On/Off Output 25 - 3113
On/Off Output 26 - 3241
On/Off Output 27 - 3369
On/Off Output 28 - 3497
On/Off Output 29 - 3625
On/Off Output 30 - 3753
On/Off Output 31 - 3881
On/Off Output 32 - 4009
On/Off Output 33 - 4137
On/Off Output 34 - 4265
On/Off Output 35 - 4393
On/Off Output 36 - 4521
On/Off Output 37 - 4649
On/Off Output 38 - 4777
On/Off Output 39 - 4905
On/Off Output 40 - 5033
On/Off Output 41 - 5161
On/Off Output 42 - 5289
On/Off Output 43 - 5417
On/Off Output 44 - 5545
On/Off Output 45 - 5673
On/Off Output 46 - 5801
On/Off Output 47 - 5929
On/Off Output 48 - 6057

Input 43

On/Off Output 1 - 42
On/Off Output 2 - 170
On/Off Output 3 - 298
On/Off Output 4 - 426
On/Off Output 5 - 554
On/Off Output 6 - 682
On/Off Output 7 - 810
On/Off Output 8 - 938
On/Off Output 9 - 1066
On/Off Output 10 - 1194
On/Off Output 11 - 1322
On/Off Output 12 - 1450
On/Off Output 13 - 1578
On/Off Output 14 - 1706
On/Off Output 15 - 1834
On/Off Output 16 - 1962
On/Off Output 17 - 2090
On/Off Output 18 - 2218
On/Off Output 19 - 2346
On/Off Output 20 - 2474
On/Off Output 21 - 2602
On/Off Output 22 - 2730
On/Off Output 23 - 2858
On/Off Output 24 - 2986
On/Off Output 25 - 3114
On/Off Output 26 - 3242
On/Off Output 27 - 3370
On/Off Output 28 - 3498
On/Off Output 29 - 3626
On/Off Output 30 - 3754
On/Off Output 31 - 3882
On/Off Output 32 - 4010
On/Off Output 33 - 4138
On/Off Output 34 - 4266
On/Off Output 35 - 4394
On/Off Output 36 - 4522
On/Off Output 37 - 4650
On/Off Output 38 - 4778
On/Off Output 39 - 4906
On/Off Output 40 - 5034
On/Off Output 41 - 5162
On/Off Output 42 - 5290
On/Off Output 43 - 5418
On/Off Output 44 - 5546
On/Off Output 45 - 5674
On/Off Output 46 - 5802
On/Off Output 47 - 5930
On/Off Output 48 - 6058

Input 44

On/Off Output 1 - 43
On/Off Output 2 - 171
On/Off Output 3 - 299
On/Off Output 4 - 427
On/Off Output 5 - 555
On/Off Output 6 - 683
On/Off Output 7 - 811
On/Off Output 8 - 939
On/Off Output 9 - 1067
On/Off Output 10 - 1195
On/Off Output 11 - 1323
On/Off Output 12 - 1451
On/Off Output 13 - 1579
On/Off Output 14 - 1707
On/Off Output 15 - 1835
On/Off Output 16 - 1963
On/Off Output 17 - 2091
On/Off Output 18 - 2219
On/Off Output 19 - 2347
On/Off Output 20 - 2475
On/Off Output 21 - 2603
On/Off Output 22 - 2731
On/Off Output 23 - 2859
On/Off Output 24 - 2987
On/Off Output 25 - 3115
On/Off Output 26 - 3243
On/Off Output 27 - 3371
On/Off Output 28 - 3499
On/Off Output 29 - 3627
On/Off Output 30 - 3755
On/Off Output 31 - 3883
On/Off Output 32 - 4011
On/Off Output 33 - 4139
On/Off Output 34 - 4267
On/Off Output 35 - 4395
On/Off Output 36 - 4523
On/Off Output 37 - 4651
On/Off Output 38 - 4779

On/Off Output 39 - 4907
On/Off Output 40 - 5035
On/Off Output 41 - 5163
On/Off Output 42 - 5291
On/Off Output 43 - 5419
On/Off Output 44 - 5547
On/Off Output 45 - 5675
On/Off Output 46 - 5803
On/Off Output 47 - 5931
On/Off Output 48 - 6059

Input 45

On/Off Output 1 - 44
On/Off Output 2 - 172
On/Off Output 3 - 300
On/Off Output 4 - 428
On/Off Output 5 - 556
On/Off Output 6 - 684
On/Off Output 7 - 812
On/Off Output 8 - 940
On/Off Output 9 - 1068
On/Off Output 10 - 1196
On/Off Output 11 - 1324
On/Off Output 12 - 1452
On/Off Output 13 - 1580
On/Off Output 14 - 1708
On/Off Output 15 - 1836
On/Off Output 16 - 1964
On/Off Output 17 - 2092
On/Off Output 18 - 2220
On/Off Output 19 - 2348
On/Off Output 20 - 2476
On/Off Output 21 - 2604
On/Off Output 22 - 2732
On/Off Output 23 - 2860
On/Off Output 24 - 2988
On/Off Output 25 - 3116
On/Off Output 26 - 3244
On/Off Output 27 - 3372
On/Off Output 28 - 3500
On/Off Output 29 - 3628
On/Off Output 30 - 3756
On/Off Output 31 - 3884
On/Off Output 32 - 4012
On/Off Output 33 - 4140
On/Off Output 34 - 4268
On/Off Output 35 - 4396
On/Off Output 36 - 4524
On/Off Output 37 - 4652
On/Off Output 38 - 4780
On/Off Output 39 - 4908
On/Off Output 40 - 5036
On/Off Output 41 - 5164
On/Off Output 42 - 5292
On/Off Output 43 - 5420
On/Off Output 44 - 5548
On/Off Output 45 - 5676
On/Off Output 46 - 5804
On/Off Output 47 - 5932
On/Off Output 48 - 6060

Input 46

On/Off Output 1 - 45
On/Off Output 2 - 173
On/Off Output 3 - 301
On/Off Output 4 - 429
On/Off Output 5 - 557
On/Off Output 6 - 685
On/Off Output 7 - 813
On/Off Output 8 - 941
On/Off Output 9 - 1069
On/Off Output 10 - 1197
On/Off Output 11 - 1325
On/Off Output 12 - 1453
On/Off Output 13 - 1581
On/Off Output 14 - 1709
On/Off Output 15 - 1837
On/Off Output 16 - 1965
On/Off Output 17 - 2093
On/Off Output 18 - 2221
On/Off Output 19 - 2349
On/Off Output 20 - 2477
On/Off Output 21 - 2605
On/Off Output 22 - 2733
On/Off Output 23 - 2861
On/Off Output 24 - 2989
On/Off Output 25 - 3117
On/Off Output 26 - 3245
On/Off Output 27 - 3373
On/Off Output 28 - 3501
On/Off Output 29 - 3629
On/Off Output 30 - 3757
On/Off Output 31 - 3885
On/Off Output 32 - 4013
On/Off Output 33 - 4141
On/Off Output 34 - 4269
On/Off Output 35 - 4397
On/Off Output 36 - 4525
On/Off Output 37 - 4653
On/Off Output 38 - 4781
On/Off Output 39 - 4909
On/Off Output 40 - 5037
On/Off Output 41 - 5165
On/Off Output 42 - 5293
On/Off Output 43 - 5421
On/Off Output 44 - 5549
On/Off Output 45 - 5677
On/Off Output 46 - 5805
On/Off Output 47 - 5933
On/Off Output 48 - 6061

Input 47

On/Off Output 1 - 46
On/Off Output 2 - 174
On/Off Output 3 - 302
On/Off Output 4 - 430
On/Off Output 5 - 558
On/Off Output 6 - 686
On/Off Output 7 - 814
On/Off Output 8 - 942
On/Off Output 9 - 1070
On/Off Output 10 - 1198
On/Off Output 11 - 1326
On/Off Output 12 - 1454
On/Off Output 13 - 1582
On/Off Output 14 - 1710
On/Off Output 15 - 1838
On/Off Output 16 - 1966
On/Off Output 17 - 2094
On/Off Output 18 - 2222
On/Off Output 19 - 2350
On/Off Output 20 - 2478
On/Off Output 21 - 2606
On/Off Output 22 - 2734
On/Off Output 23 - 2862
On/Off Output 24 - 2990
On/Off Output 25 - 3118
On/Off Output 26 - 3246
On/Off Output 27 - 3374
On/Off Output 28 - 3502
On/Off Output 29 - 3630
On/Off Output 30 - 3758
On/Off Output 31 - 3886
On/Off Output 32 - 4014
On/Off Output 33 - 4142
On/Off Output 34 - 4270
On/Off Output 35 - 4398
On/Off Output 36 - 4526
On/Off Output 37 - 4654
On/Off Output 38 - 4782
On/Off Output 39 - 4910
On/Off Output 40 - 5038
On/Off Output 41 - 5166
On/Off Output 42 - 5294
On/Off Output 43 - 5422
On/Off Output 44 - 5550
On/Off Output 45 - 5678

On/Off Output 46 - 5806
On/Off Output 47 - 5934
On/Off Output 48 - 6062

Input 48
On/Off Output 1 - 47
On/Off Output 2 - 175
On/Off Output 3 - 303
On/Off Output 4 - 431
On/Off Output 5 - 559
On/Off Output 6 - 687
On/Off Output 7 - 815
On/Off Output 8 - 943
On/Off Output 9 - 1071
On/Off Output 10 - 1199
On/Off Output 11 - 1327
On/Off Output 12 - 1455
On/Off Output 13 - 1583
On/Off Output 14 - 1711
On/Off Output 15 - 1839
On/Off Output 16 - 1967
On/Off Output 17 - 2095
On/Off Output 18 - 2223
On/Off Output 19 - 2351
On/Off Output 20 - 2479
On/Off Output 21 - 2607
On/Off Output 22 - 2735
On/Off Output 23 - 2863
On/Off Output 24 - 2991
On/Off Output 25 - 3119
On/Off Output 26 - 3247
On/Off Output 27 - 3375
On/Off Output 28 - 3503
On/Off Output 29 - 3631
On/Off Output 30 - 3759
On/Off Output 31 - 3887
On/Off Output 32 - 4015
On/Off Output 33 - 4143
On/Off Output 34 - 4271
On/Off Output 35 - 4399
On/Off Output 36 - 4527
On/Off Output 37 - 4655
On/Off Output 38 - 4783
On/Off Output 39 - 4911
On/Off Output 40 - 5039
On/Off Output 41 - 5167
On/Off Output 42 - 5295
On/Off Output 43 - 5423
On/Off Output 44 - 5551
On/Off Output 45 - 5679
On/Off Output 46 - 5807
On/Off Output 47 - 5935
On/Off Output 48 – 6063

Meter
Meter - 0
Attack - 1
Release - 2
Reference – 3

Meter Trigger
Meter - 0
Attack - 1
Release - 2
Reference – 3
Trigger - 4

Mixer
Input 1
Gain - 0
Mute - 1
Pan - 2
Polarity - 3
Aux 1 send level - 20
Aux 2 send level - 21
Aux 3 send level - 22
Aux 4 send level - 23
Route to group 1 - 40
Route to group 2 - 41
Route to group 3 - 42
Route to group 4 - 43
Solo - 4

Input 2
Gain - 100
Mute - 101
Pan - 102
Polarity - 103
Aux 1 send level - 120
Aux 2 send level - 121
Aux 3 send level - 122
Aux 4 send level - 123
Route to group 1 - 140
Route to group 2 - 141
Route to group 3 - 142
Route to group 4 - 143
Solo - 104

Input 3
Gain - 200
Mute - 201
Pan - 202
Polarity - 203
Aux 1 send level - 220
Aux 2 send level - 221
Aux 3 send level - 222
Aux 4 send level - 223
Route to group 1 - 240
Route to group 2 - 241
Route to group 3 - 242
Route to group 4 - 243
Solo - 204

Input 4
Gain - 300
Mute - 301
Pan - 302
Polarity - 303
Aux 1 send level - 320
Aux 2 send level - 321
Aux 3 send level - 322
Aux 4 send level - 323
Route to group 1 - 340
Route to group 2 - 341
Route to group 3 - 342
Route to group 4 - 343
Solo - 304

Input 5
Gain - 400
Mute - 401
Pan - 402
Polarity - 403
Aux 1 send level - 420
Aux 2 send level - 421
Aux 3 send level - 422
Aux 4 send level - 423
Route to group 1 - 440
Route to group 2 - 441
Route to group 3 - 442
Route to group 4 - 443
Solo - 404

Input 6
Gain - 500
Mute - 501
Pan - 502
Polarity - 503
Aux 1 send level - 520
Aux 2 send level - 521
Aux 3 send level - 522
Aux 4 send level - 523
Route to group 1 - 540
Route to group 2 - 541
Route to group 3 - 542
Route to group 4 - 543
Solo - 504

Input 7
Gain - 600
Mute - 601

Pan - 602
Polarity - 603
Aux 1 send level - 620
Aux 2 send level - 621
Aux 3 send level - 622
Aux 4 send level - 623
Route to group 1 - 640
Route to group 2 - 641
Route to group 3 - 642
Route to group 4 - 643
Solo - 604

Input 8
Gain - 700
Mute - 701
Pan - 702
Polarity - 703
Aux 1 send level - 720
Aux 2 send level - 721
Aux 3 send level - 722
Aux 4 send level - 723
Route to group 1 - 740
Route to group 2 - 741
Route to group 3 - 742
Route to group 4 - 743
Solo - 704

Input 9
Gain - 800
Mute - 801
Pan - 802
Polarity - 803
Aux 1 send level - 820
Aux 2 send level - 821
Aux 3 send level - 822
Aux 4 send level - 823
Route to group 1 - 840
Route to group 2 - 841
Route to group 3 - 842
Route to group 4 - 843
Solo - 804

Input 10
Gain - 900
Mute - 901
Pan - 902
Polarity - 903
Aux 1 send level - 920
Aux 2 send level - 921
Aux 3 send level - 922
Aux 4 send level - 923
Route to group 1 - 940
Route to group 2 - 941
Route to group 3 - 942
Route to group 4 - 943
Solo - 904

Input 11
Gain - 1000
Mute - 1001
Pan - 1002
Polarity - 1003
Aux 1 send level - 1020
Aux 2 send level - 1021
Aux 3 send level - 1022
Aux 4 send level - 1023
Route to group 1 - 1040
Route to group 2 - 1041
Route to group 3 - 1042
Route to group 4 - 1043
Solo - 1004

Input 12
Gain - 1100
Mute - 1101
Pan - 1102
Polarity - 1103
Aux 1 send level - 1120
Aux 2 send level - 1121
Aux 3 send level - 1122
Aux 4 send level - 1123
Route to group 1 - 1140
Route to group 2 - 1141
Route to group 3 - 1142
Route to group 4 - 1143
Solo - 1104

Input 13
Gain - 1200
Mute - 1201
Pan - 1202
Polarity - 1203
Aux 1 send level - 1220
Aux 2 send level - 1221
Aux 3 send level - 1222
Aux 4 send level - 1223
Route to group 1 - 1240
Route to group 2 - 1241
Route to group 3 - 1242
Route to group 4 - 1243
Solo - 1204

Input 14
Gain - 1300
Mute - 1301
Pan - 1302
Polarity - 1303
Aux 1 send level - 1320
Aux 2 send level - 1321
Aux 3 send level - 1322
Aux 4 send level - 1323
Route to group 1 - 1340
Route to group 2 - 1341
Route to group 3 - 1342
Route to group 4 - 1343
Solo - 1304

Input 15
Gain - 1400
Mute - 1401
Pan - 1402
Polarity - 1403
Aux 1 send level - 1420
Aux 2 send level - 1421
Aux 3 send level - 1422
Aux 4 send level - 1423
Route to group 1 - 1440
Route to group 2 - 1441
Route to group 3 - 1442
Route to group 4 - 1443
Solo - 1404

Input 16
Gain - 1500
Mute - 1501
Pan - 1502
Polarity - 1503
Aux 1 send level - 1520
Aux 2 send level - 1521
Aux 3 send level - 1522
Aux 4 send level - 1523
Route to group 1 - 1540
Route to group 2 - 1541
Route to group 3 - 1542
Route to group 4 - 1543
Solo - 1504

Input 17
Gain - 1600
Mute - 1601
Pan - 1602
Polarity - 1603
Aux 1 send level - 1620
Aux 2 send level - 1621
Aux 3 send level - 1622
Aux 4 send level - 1623
Route to group 1 - 1640
Route to group 2 - 1641
Route to group 3 - 1642
Route to group 4 - 1643
Solo - 1604

Input 18
Gain - 1700
Mute - 1701

Pan - 1702
Polarity - 1703
Aux 1 send level - 1720
Aux 2 send level - 1721
Aux 3 send level - 1722
Aux 4 send level - 1723
Route to group 1 - 1740
Route to group 2 - 1741
Route to group 3 - 1742
Route to group 4 - 1743
Solo - 1704

Input 19
Gain - 1800
Mute - 1801
Pan - 1802
Polarity - 1803
Aux 1 send level - 1820
Aux 2 send level - 1821
Aux 3 send level - 1822
Aux 4 send level - 1823
Route to group 1 - 1840
Route to group 2 - 1841
Route to group 3 - 1842
Route to group 4 - 1843
Solo - 1804

Input 20
Gain - 1900
Mute - 1901
Pan - 1902
Polarity - 1903
Aux 1 send level - 1920
Aux 2 send level - 1921
Aux 3 send level - 1922
Aux 4 send level - 1923
Route to group 1 - 1940
Route to group 2 - 1941
Route to group 3 - 1942
Route to group 4 - 1943
Solo - 1904

Input 21
Gain - 2000
Mute - 2001
Pan - 2002
Polarity - 2003
Aux 1 send level - 2020
Aux 2 send level - 2021
Aux 3 send level - 2022
Aux 4 send level - 2023
Route to group 1 - 2040
Route to group 2 - 2041
Route to group 3 - 2042
Route to group 4 - 2043
Solo - 2004

Input 22
Gain - 2100
Mute - 2101
Pan - 2102
Polarity - 2103
Aux 1 send level - 2120
Aux 2 send level - 2121
Aux 3 send level - 2122
Aux 4 send level - 2123
Route to group 1 - 2140
Route to group 2 - 2141
Route to group 3 - 2142
Route to group 4 - 2143
Solo - 2104

Input 23
Gain - 2200
Mute - 2201
Pan - 2202
Polarity - 2203
Aux 1 send level - 2220
Aux 2 send level - 2221
Aux 3 send level - 2222
Aux 4 send level - 2223
Route to group 1 - 2240
Route to group 2 - 2241
Route to group 3 - 2242
Route to group 4 - 2243
Solo - 2204

Input 24
Gain - 2300
Mute - 2301
Pan - 2302
Polarity - 2303
Aux 1 send level - 2320
Aux 2 send level - 2321
Aux 3 send level - 2322
Aux 4 send level - 2323
Route to group 1 - 2340
Route to group 2 - 2341
Route to group 3 - 2342
Route to group 4 - 2343
Solo - 2304

Input 25
Gain - 2400
Mute - 2401
Pan - 2402
Polarity - 2403
Aux 1 send level - 2420
Aux 2 send level - 2421
Aux 3 send level - 2422
Aux 4 send level - 2423
Route to group 1 - 2440
Route to group 2 - 2441
Route to group 3 - 2442
Route to group 4 - 2443
Solo - 2404

Input 26
Gain - 2500
Mute - 2501
Pan - 2502
Polarity - 2503
Aux 1 send level - 2520
Aux 2 send level - 2521
Aux 3 send level - 2522
Aux 4 send level - 2523
Route to group 1 - 2540
Route to group 2 - 2541
Route to group 3 - 2542
Route to group 4 - 2543
Solo - 2504

Input 27
Gain - 2600
Mute - 2601
Pan - 2602
Polarity - 2603
Aux 1 send level - 2620
Aux 2 send level - 2621
Aux 3 send level - 2622
Aux 4 send level - 2623
Route to group 1 - 2640
Route to group 2 - 2641
Route to group 3 - 2642
Route to group 4 - 2643
Solo - 2604

Input 28
Gain - 2700
Mute - 2701
Pan - 2702
Polarity - 2703
Aux 1 send level - 2720
Aux 2 send level - 2721
Aux 3 send level - 2722
Aux 4 send level - 2723
Route to group 1 - 2740
Route to group 2 - 2741
Route to group 3 - 2742
Route to group 4 - 2743
Solo - 2704

Input 29
Gain - 2800
Mute - 2801

Pan - 2802
Polarity - 2803
Aux 1 send level - 2820
Aux 2 send level - 2821
Aux 3 send level - 2822
Aux 4 send level - 2823
Route to group 1 - 2840
Route to group 2 - 2841
Route to group 3 - 2842
Route to group 4 - 2843
Solo - 2804

Input 30
Gain - 2900
Mute - 2901
Pan - 2902
Polarity - 2903
Aux 1 send level - 2920
Aux 2 send level - 2921
Aux 3 send level - 2922
Aux 4 send level - 2923
Route to group 1 - 2940
Route to group 2 - 2941
Route to group 3 - 2942
Route to group 4 - 2943
Solo - 2904

Input 31
Gain - 3000
Mute - 3001
Pan - 3002
Polarity - 3003
Aux 1 send level - 3020
Aux 2 send level - 3021
Aux 3 send level - 3022
Aux 4 send level - 3023
Route to group 1 - 3040
Route to group 2 - 3041
Route to group 3 - 3042
Route to group 4 - 3043
Solo - 3004

Input 32
Gain - 3100
Mute - 3101
Pan - 3102
Polarity - 3103
Aux 1 send level - 3120
Aux 2 send level - 3121
Aux 3 send level - 3122
Aux 4 send level - 3123
Route to group 1 - 3140
Route to group 2 - 3141
Route to group 3 - 3142
Route to group 4 - 3143
Solo - 3104

Input 33
Gain - 3200
Mute - 3201
Pan - 3202
Polarity - 3203
Aux 1 send level - 3220
Aux 2 send level - 3221
Aux 3 send level - 3222
Aux 4 send level - 3223
Route to group 1 - 3240
Route to group 2 - 3241
Route to group 3 - 3242
Route to group 4 - 3243
Solo - 3204

Input 34
Gain - 3300
Mute - 3301
Pan - 3302
Polarity - 3303
Aux 1 send level - 3320
Aux 2 send level - 3321
Aux 3 send level - 3322
Aux 4 send level - 3323
Route to group 1 - 3340
Route to group 2 - 3341
Route to group 3 - 3342
Route to group 4 - 3343
Solo - 3304

Input 35
Gain - 3400
Mute - 3401
Pan - 3402
Polarity - 3403
Aux 1 send level - 3420
Aux 2 send level - 3421
Aux 3 send level - 3422
Aux 4 send level - 3423
Route to group 1 - 3440
Route to group 2 - 3441
Route to group 3 - 3442
Route to group 4 - 3443
Solo - 3404

Input 36
Gain - 3500
Mute - 3501
Pan - 3502
Polarity - 3503
Aux 1 send level - 3520
Aux 2 send level - 3521
Aux 3 send level - 3522
Aux 4 send level - 3523
Route to group 1 - 3540
Route to group 2 - 3541
Route to group 3 - 3542
Route to group 4 - 3543
Solo - 3504

Input 37
Gain - 3600
Mute - 3601
Pan - 3602
Polarity - 3603
Aux 1 send level - 3620
Aux 2 send level - 3621
Aux 3 send level - 3622
Aux 4 send level - 3623
Route to group 1 - 3640
Route to group 2 - 3641
Route to group 3 - 3642
Route to group 4 - 3643
Solo - 3604

Input 38
Gain - 3700
Mute - 3701
Pan - 3702
Polarity - 3703
Aux 1 send level - 3720
Aux 2 send level - 3721
Aux 3 send level - 3722
Aux 4 send level - 3723
Route to group 1 - 3740
Route to group 2 - 3741
Route to group 3 - 3742
Route to group 4 - 3743
Solo - 3704

Input 39
Gain - 3800
Mute - 3801
Pan - 3802
Polarity - 3803
Aux 1 send level - 3820
Aux 2 send level - 3821
Aux 3 send level - 3822
Aux 4 send level - 3823
Route to group 1 - 3840
Route to group 2 - 3841
Route to group 3 - 3842
Route to group 4 - 3843
Solo - 3804

Input 40
Gain - 3900
Mute - 3901

Pan - 3902
Polarity - 3903
Aux 1 send level - 3920
Aux 2 send level - 3921
Aux 3 send level - 3922
Aux 4 send level - 3923
Route to group 1 - 3940
Route to group 2 - 3941
Route to group 3 - 3942
Route to group 4 - 3943
Solo - 3904

Input 41
Gain - 4000
Mute - 4001
Pan - 4002
Polarity - 4003
Aux 1 send level - 4020
Aux 2 send level - 4021
Aux 3 send level - 4022
Aux 4 send level - 4023
Route to group 1 - 4040
Route to group 2 - 4041
Route to group 3 - 4042
Route to group 4 - 4043
Solo - 4004

Input 42
Gain - 4100
Mute - 4101
Pan - 4102
Polarity - 4103
Aux 1 send level - 4120
Aux 2 send level - 4121
Aux 3 send level - 4122
Aux 4 send level - 4123
Route to group 1 - 4140
Route to group 2 - 4141
Route to group 3 - 4142
Route to group 4 - 4143
Solo - 4104

Input 43
Gain - 4200
Mute - 4201
Pan - 4202
Polarity - 4203
Aux 1 send level - 4220
Aux 2 send level - 4221
Aux 3 send level - 4222
Aux 4 send level - 4223
Route to group 1 - 4240
Route to group 2 - 4241
Route to group 3 - 4242
Route to group 4 - 4243
Solo - 4204

Input 44
Gain - 4300
Mute - 4301
Pan - 4302
Polarity - 4303
Aux 1 send level - 4320
Aux 2 send level - 4321
Aux 3 send level - 4322
Aux 4 send level - 4323
Route to group 1 - 4340
Route to group 2 - 4341
Route to group 3 - 4342
Route to group 4 - 4343
Solo - 4304

Input 45
Gain - 4400
Mute - 4401
Pan - 4402
Polarity - 4403
Aux 1 send level - 4420
Aux 2 send level - 4421
Aux 3 send level - 4422
Aux 4 send level - 4423
Route to group 1 - 4440
Route to group 2 - 4441
Route to group 3 - 4442
Route to group 4 - 4443
Solo - 4404

Input 46
Gain - 4500
Mute - 4501
Pan - 4502
Polarity - 4503
Aux 1 send level - 4520
Aux 2 send level - 4521
Aux 3 send level - 4522
Aux 4 send level - 4523
Route to group 1 - 4540
Route to group 2 - 4541
Route to group 3 - 4542
Route to group 4 - 4543
Solo - 4504

Input 47
Gain - 4600
Mute - 4601
Pan - 4602
Polarity - 4603
Aux 1 send level - 4620
Aux 2 send level - 4621
Aux 3 send level - 4622
Aux 4 send level - 4623
Route to group 1 - 4640
Route to group 2 - 4641
Route to group 3 - 4642
Route to group 4 - 4643
Solo - 4604

Input 48
Gain - 4700
Mute - 4701
Pan - 4702
Polarity - 4703
Aux 1 send level - 4720
Aux 2 send level - 4721
Aux 3 send level - 4722
Aux 4 send level - 4723
Route to group 1 - 4740
Route to group 2 - 4741
Route to group 3 - 4742
Route to group 4 - 4743
Solo - 4704

Aux A
Pre/Post - 10000
Gain - 10001
Mute - 10002

Aux B
Pre/Post - 10010
Gain - 10011
Mute - 10012

Aux C
Pre/Post - 10020
Gain - 10021
Mute - 10022

Aux D
Pre/Post - 10030
Gain - 10031
Mute - 10032

Group A
Gain - 11000
Mute - 11001

Group B
Gain - 11010
Mute - 11011

Group C
Gain - 11020
Mute - 11021

Group D
Gain - 11030
Mute - 11031

Output 1
Gain Left - 20000
Mute Left - 20001

Gain Right - 20002
Mute Right – 20003

N-Input Gain
Input 1
Gain - 0
Mute - 32
Polarity - 64
Input 2
Gain - 1
Mute - 33
Polarity - 65
Input 3
Gain - 2
Mute - 34
Polarity - 66
Input 4
Gain - 3
Mute - 35
Polarity - 67
Input 5
Gain - 4
Mute - 36
Polarity - 68
Input 6
Gain - 5
Mute - 37
Polarity - 69
Input 7
Gain - 6
Mute - 38
Polarity - 70
Input 8
Gain - 7
Mute - 39
Polarity - 71
Input 9
Gain - 8
Mute - 40
Polarity - 72
Input 10
Gain - 9
Mute - 41
Polarity - 73
Input 11
Gain - 10
Mute - 42
Polarity - 74
Input 12
Gain - 11
Mute - 43
Polarity - 75
Input 13
Gain - 12
Mute - 44
Polarity - 76
Input 14
Gain - 13
Mute - 45
Polarity - 77
Input 15
Gain - 14
Mute - 46
Polarity - 78
Input 16
Gain - 15
Mute - 47
Polarity - 79
Master
Master - 96
Override Mute – 97

N-Input Graphic EQ
25.0 - 32
31.0 - 33
40.0 - 34
50.0 - 35
63.0 - 36
80.0 - 37
100 - 38
125 - 39
160 - 40
200 - 41
250 - 42
315 - 43
400 - 44
500 - 45
630 - 46
800 - 47
1.00k - 48
1.25k - 49
1.60k - 50
2.00k - 51
2.50k - 52
3.15k - 53
4.00k - 54
5.00k - 55
6.30k - 56
8.00k - 57
10.0k - 58
12.5k - 59
16.0k - 60
20.0k - 61
Bypass - 66
Selectivity – 65

N-Input Parametric EQ
Band 01
Filter Type - 4
Slope Type - 6
Frequency - 1
Width - 3
Boost/Cut - 2
Bypass - 0
Band 02
Filter Type - 20
Slope Type - 22
Frequency - 17
Width - 19
Boost/Cut - 18
Bypass - 16
Band 03
Filter Type - 36
Slope Type - 38
Frequency - 33
Width - 35
Boost/Cut - 34
Bypass - 32
Band 04
Filter Type - 52
Slope Type - 54
Frequency - 49
Width - 51
Boost/Cut - 50
Bypass - 48
Band 05
Filter Type - 68
Slope Type - 70
Frequency - 65
Width - 67
Boost/Cut - 66
Bypass - 64
Band 06
Filter Type - 84
Slope Type - 86
Frequency - 81
Width - 83
Boost/Cut - 82
Bypass - 80
Band 07
Filter Type - 100
Slope Type - 102
Frequency - 97
Width - 99

Boost/Cut - 98
Bypass - 96
Band 08
Filter Type - 116
Slope Type - 118
Frequency - 113
Width - 115
Boost/Cut - 114
Bypass - 112
Band 09
Filter Type - 132
Slope Type - 134
Frequency - 129
Width - 131
Boost/Cut - 130
Bypass - 128
Band 10
Filter Type - 148
Slope Type - 150
Frequency - 145
Width - 147
Boost/Cut - 146
Bypass - 144
Band 11
Filter Type - 164
Slope Type - 166
Frequency - 161
Width - 163
Boost/Cut - 162
Bypass - 160
Band 12
Filter Type - 180
Slope Type - 182
Frequency - 177
Width - 179
Boost/Cut - 178
Bypass - 176
Other
Bypass All – 512

Noise Generator
Level - 0
Type – 1

Parametric EQ
Band 01
Filter Type - 4
Slope Type - 6
Frequency - 1
Width - 3
Boost/Cut - 2
Bypass - 0
Band 02
Filter Type - 20
Slope Type - 22
Frequency - 17
Width - 19
Boost/Cut - 18
Bypass - 16
Band 03
Filter Type - 36
Slope Type - 38
Frequency - 33
Width - 35
Boost/Cut - 34
Bypass - 32
Band 04
Filter Type - 52
Slope Type - 54
Frequency - 49
Width - 51
Boost/Cut - 50
Bypass - 48
Band 05
Filter Type - 68
Slope Type - 70
Frequency - 65
Width - 67
Boost/Cut - 66
Bypass - 64
Band 06
Filter Type - 84
Slope Type - 86
Frequency - 81
Width - 83
Boost/Cut - 82
Bypass - 80
Band 07
Filter Type - 100
Slope Type - 102
Frequency - 97
Width - 99
Boost/Cut - 98
Bypass - 96
Band 08
Filter Type - 116
Slope Type - 118
Frequency - 113
Width - 115
Boost/Cut - 114
Bypass - 112
Band 09
Filter Type - 132
Slope Type - 134
Frequency - 129
Width - 131
Boost/Cut - 130
Bypass - 128
Band 10
Filter Type - 148
Slope Type - 150
Frequency - 145
Width - 147
Boost/Cut - 146
Bypass - 144
Band 11
Filter Type - 164
Slope Type - 166
Frequency - 161
Width - 163
Boost/Cut - 162
Bypass - 160
Band 12
Filter Type - 180
Slope Type - 182
Frequency - 177
Width - 179
Boost/Cut - 178
Bypass - 176
Other
Bypass All – 512

Phase Filter
Frequency - 0
Phase – 1

RMS Meter
Meter - 0
Attack - 1
Release - 2
Reference – 3

Source Matrix
Input for Output 1 - 0
Input for Output 2 - 1
Input for Output 3 - 2
Input for Output 4 - 3
Input for Output 5 - 4
Input for Output 6 - 5
Input for Output 7 - 6
Input for Output 8 - 7
Input for Output 9 - 8
Input for Output 10 - 9
Input for Output 11 - 10

Input for Output 12 - 11
Input for Output 13 - 12
Input for Output 14 - 13
Input for Output 15 - 14
Input for Output 16 - 15
Input for Output 17 - 16
Input for Output 18 - 17
Input for Output 19 - 18
Input for Output 20 - 19
Input for Output 21 - 20
Input for Output 22 - 21
Input for Output 23 - 22
Input for Output 24 - 23
Input for Output 25 - 24
Input for Output 26 - 25
Input for Output 27 - 26
Input for Output 28 - 27
Input for Output 29 - 28
Input for Output 30 - 29
Input for Output 31 - 30
Input for Output 32 - 31
Input for Output 33 - 32
Input for Output 34 - 33
Input for Output 35 - 34
Input for Output 36 - 35
Input for Output 37 - 36
Input for Output 38 - 37
Input for Output 39 - 38
Input for Output 40 - 39
Input for Output 41 - 40
Input for Output 42 - 41
Input for Output 43 - 42
Input for Output 44 - 43
Input for Output 45 - 44
Input for Output 46 - 45
Input for Output 47 - 46
Input for Output 48 - 47
Input for Output 49 - 48
Input for Output 50 - 49
Input for Output 51 - 50
Input for Output 52 - 51
Input for Output 53 - 52
Input for Output 54 - 53
Input for Output 55 - 54
Input for Output 56 - 55
Input for Output 57 - 56
Input for Output 58 - 57
Input for Output 59 - 58
Input for Output 60 - 59
Input for Output 61 - 60
Input for Output 62 - 61
Input for Output 63 - 62
Input for Output 64 - 63
Input for Output 65 - 64
Input for Output 66 - 65
Input for Output 67 - 66
Input for Output 68 - 67
Input for Output 69 - 68
Input for Output 70 - 69
Input for Output 71 - 70
Input for Output 72 - 71
Input for Output 73 - 72
Input for Output 74 - 73
Input for Output 75 - 74
Input for Output 76 - 75
Input for Output 77 - 76
Input for Output 78 - 77
Input for Output 79 - 78
Input for Output 80 - 79
Input for Output 81 - 80
Input for Output 82 - 81
Input for Output 83 - 82
Input for Output 84 - 83
Input for Output 85 - 84
Input for Output 86 - 85
Input for Output 87 - 86
Input for Output 88 - 87
Input for Output 89 - 88
Input for Output 90 - 89
Input for Output 91 - 90
Input for Output 92 - 91
Input for Output 93 - 92
Input for Output 94 - 93
Input for Output 95 - 94
Input for Output 96 – 95

Source Selector
Input Number – 0

Stereo Compressor
Bypass - 0
Threshold - 1
Ratio - 2
Attack - 3
Release – 4
Gain Reduction dB - 5
Gain - 7
Auto release – 8

Stereo Crossover
Band 1
Filter Type (Hi Pass) - 0
Filter Type (Lo Pass) - 1
Frequency (Hi Pass) - 2
Frequency (Lo Pass) - 3
Gain - 4
Delay - 15
Polarity - 16
Mute - 17
Limiter Threshold – 18
Limiter Level Left dB – 19
Limiter Level Right dB - 20
Band 2
Filter Type (Hi Pass) - 32
Filter Type (Lo Pass) - 33
Frequency (Hi Pass) - 34
Frequency (Lo Pass) - 35
Gain - 36
Phase - 46
Delay - 47
Polarity - 48
Mute - 49
Limiter Threshold – 50
Limiter Level Left dB – 51
Limiter Level Right dB - 52
Band 3
Filter Type (Hi Pass) - 64
Filter Type (Lo Pass) - 65
Frequency (Hi Pass) - 66
Frequency (Lo Pass) - 67
Gain - 68
Phase - 78
Delay - 79
Polarity - 80
Mute - 81
Limiter Threshold – 82
Limiter Level Left dB – 83
Limiter Level Right dB - 84
Band 4
Filter Type (Hi Pass) - 96
Filter Type (Lo Pass) - 97
Frequency (Hi Pass) - 98
Frequency (Lo Pass) - 99
Gain - 100
Phase - 110
Delay - 111
Polarity - 112
Mute - 113
Limiter Threshold – 114
Limiter Level Left dB – 115
Limiter Level Right dB - 116
Band 5
Filter Type (Hi Pass) - 128
Filter Type (Lo Pass) - 129

Frequency (Hi Pass) - 130
Frequency (Lo Pass) - 131
Gain - 132
Phase - 142
Delay - 143
Polarity - 144
Mute - 145
Limiter Threshold – 146
Limiter Level Left dB – 147
Limiter Level Right dB - 148

Band 6
Filter Type (Hi Pass) - 160
Filter Type (Lo Pass) - 161
Frequency (Hi Pass) - 162
Frequency (Lo Pass) - 163
Gain - 164
Phase - 174
Delay - 175
Polarity - 176
Mute - 177
Limiter Threshold – 178
Limiter Level Left dB – 179
Limiter Level Right dB - 180

Stereo Ducker
Bypass - 0
Threshold - 1
Range - 2
Duck Time - 3
Hold - 4
Recover – 5
Gain Reduction dB - 9

Stereo Expander
Bypass - 0
Threshold - 1
Ratio - 7
Attack - 3
Release – 5
Gain Reduction dB - 9

Stereo Gate
Bypass - 0
Threshold - 1
Range - 2
Attack - 3
Hold - 4
Release - 5
Manual Open – 6
Open – 8
Below Threshold dB - 10

Tone Generator
Level - 0
Frequency – 1