

1st Number<sup>1</sup>

1st Bit - NOT

Input none - Output A

2nd Number<sup>2</sup>

1st Bit

Input A - Output C

Answer<sup>3</sup>

1st Bit

2 Inputs C

1st Number<sup>4</sup>

1st Bit

Input none - Output B

2nd Number<sup>5</sup>

1st Bit - NOT

Input B - Output C

1st Number<sup>6</sup>

1st Bit - NOT

Input none - 2 Outputs D

2nd Number<sup>7</sup>

1st Bit - NOT

Input none - 2 Outputs D

1st Number<sup>8</sup>

2nd Bit - NOT

2 Inputs D - Output E

2nd Number<sup>9</sup>

2nd Bit

Input E - Output G

Answer<sup>10</sup>

2nd Bit

4 Inputs G

1st Number<sup>11</sup>

2nd Bit

2 Inputs D - Output F

2nd Number<sup>12</sup>

2nd Bit - NOT

Input F - Output G

1st Number<sup>13</sup>

1st Bit

Input none - Output H

2nd Number<sup>14</sup>

1st Bit

Input H - 4 Outputs J

1st Number<sup>15</sup>

2nd Bit - NOT

Input J - Output K

2nd Number<sup>16</sup>

2nd Bit - NOT

Input K - Output G

1st Number<sup>17</sup>

2nd Bit

Input J - Output L

2nd Number<sup>18</sup>

2nd Bit

Input L - Output G

1st Number<sup>19</sup>

2nd Bit

Input J - Output M

Answer<sup>20</sup>

3rd Bit

3 Inputs M

2nd Number<sup>21</sup>

2nd Bit

Input J - Output M

1st Number<sup>22</sup>

2nd Bit

Input none - Output N

2nd Number<sup>23</sup>

2nd Bit

Input N - Output M