Left 1

1101 | 1111 | 1100 | 1101 |

Right 1

0101 | 1101 | 1011 | 0100 |

Left 2

0110 | 1101 | 1000 | 0111 |

Right 2

1101 | 1111 | 1100 | 1101 |

Left 3

1000 | 1000 | 0001 | 0000 |

Right 3

0110 | 1101 | 1000 | 0111 |

Left 4

1110 | 0110 | 0000 | 1000 |

Right 4

1000 | 1000 | 0001 | 0000 |

Left 5

0101 | 1101 | 0111 | 0000 |

Right 5

1110 | 0110 | 0000 | 1000 |

Left 6

1011 | 1001 | 0000 | 0100 |

Right 6

0101 | 1101 | 0111 | 0000 |

Left 7

0110 | 0110 | 1101 | 0001 |

Right 7

1011 | 1001 | 0000 | 0100 |

Left 8

0011 | 0110 | 1100 | 1000 |

Right 8

0110 | 0110 | 1101 | 0001 |

Left 9

1100 | 1100 | 1010 | 1000 |

Right 9

0011 | 0110 | 1100 | 1000 |

Left 10

0101 | 1010 | 1111 | 1101 |

Right 10

1100 | 1100 | 1010 | 1000 |

Left 11

0001 | 0010 | 1111 | 1111 |

Right 11

0101 | 1010 | 1111 | 1101 |

Left 12

1111 | 1111 | 0111 | 1100 |

Right 12

0001 | 0010 | 1111 | 1111 |

Left 13

1000 | 1110 | 0001 | 0010 |

Right 13

1111 | 1111 | 0111 | 1100 |

Left 14

1110 | 1011 | 1101 | 1101 |

Right 14

1000 | 1110 | 0001 | 0010 |

Left 15

0000 | 1000 | 0001 | 1001 |

Right 15

1110 | 1011 | 1101 | 1101 |

Left 16

0111 | 0010 | 1000 | 0101 |

Right 16

0000 | 1000 | 0001 | 1001 |

Left 17

1000 | 0111 | 0011 | 1011 |

Right 17

0111 | 0010 | 1000 | 0101 |

Left 18

1011 | 1110 | 0101 | 1000 |

Right 18

1000 | 0111 | 0011 | 1011 |

Left 19

1000 | 0010 | 0011 | 1001 |

Right 19

1011 | 1110 | 0101 | 1000 |

Left 20

1011 | 1101 | 1001 | 0000 |

Right 20

1000 | 0010 | 0011 | 1001 |

Left 21

1110 | 1011 | 1010 | 0011 |

Right 21

1011 | 1101 | 1001 | 0000 |

Left 22

1111 | 1001 | 0011 | 0110 |

Right 22

1110 | 1011 | 1010 | 0011 |

Left 23

0110 | 1101 | 0000 | 0111 |

Right 23

1111 | 1001 | 0011 | 0110 |

Left 24

1101 | 0001 | 1001 | 0011 |

Right 24

0110 | 1101 | 0000 | 0111 |

Left 25

0110 | 1110 | 1100 | 0001 |

Right 25

1101 | 0001 | 1001 | 0011 |

Left 26

1101 | 0011 | 0000 | 1011 |

Right 26

0110 | 1110 | 1100 | 0001 |

Left 27

1001 | 1110 | 1010 | 0101 |

Right 27

1101 | 0011 | 0000 | 1011 |

Left 28

0011 | 1000 | 1011 | 0001 |

Right 28

1001 | 1110 | 1010 | 0101 |

Left 29

0110 | 1100 | 0000 | 1110 |

Right 29

0011 | 1000 | 1011 | 0001 |

Left 30

0100 | 1000 | 1100 | 1000 |

Right 30

0110 | 1100 | 0000 | 1110 |

Left 31

0010 | 0101 | 1010 | 0100 |

Right 31

0100 | 1000 | 1100 | 1000 |

Left 32

1010 | 0100 | 1010 | 0101 |

Right 32

0010 | 0101 | 1010 | 0100 |

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

Left last round

1010 | 0100 | 1010 | 0101 |

right last round

0010 | 0101 | 1010 | 0100 |