How6\_part 1

(1).

Insert 18

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| \ | 10 | 20 | 27 | 25 | 70 | 36 | 55 | 67 | 30 | 85 | 92 | 18 |

Switch with 36

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| \ | 10 | 20 | 27 | 25 | 70 | 18 | 55 | 67 | 30 | 85 | 92 | 36 |

Switch with 27

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| \ | 10 | 20 | 18 | 25 | 70 | 27 | 55 | 67 | 30 | 85 | 92 | 36 |

(2).

Delete 10

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| \ |  | 20 | 27 | 25 | 70 | 36 | 55 | 67 | 30 | 85 | 92 |

20 go up

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| \ | 20 |  | 27 | 25 | 70 | 36 | 55 | 67 | 30 | 85 | 92 |

25 go up

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| \ | 20 | 25 | 27 |  | 70 | 36 | 55 | 67 | 30 | 85 | 92 |

30 go up

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| \ | 20 | 25 | 27 | 30 | 70 | 36 | 55 | 67 |  | 85 | 92 |

92 go up

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| \ | 20 | 25 | 27 | 30 | 70 | 36 | 55 | 67 | 92 | 85 |

(3).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 14 | 75 | 10 | 34 | 8 | 33 | 60 | 28 | 17 | 3 | 19 | 6 | 42 | 15 |

Switch 15 and 33

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 14 | 75 | 10 | 34 | 8 | 15 | 60 | 28 | 17 | 3 | 19 | 6 | 42 | 33 |

Switch 8 and 6

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 14 | 75 | 10 | 34 | 6 | 15 | 60 | 28 | 17 | 3 | 19 | 8 | 42 | 33 |

Switch 34 and 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 14 | 75 | 10 | 3 | 6 | 15 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 33 |

Switch 75 and 15

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 14 | 15 | 10 | 3 | 6 | 75 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 33 |

Switch 14 and 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 25 | 3 | 15 | 10 | 14 | 6 | 75 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 33 |

Switch 25 and 10

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 40 | 10 | 3 | 15 | 25 | 14 | 6 | 75 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 33 |

Switch 40 and 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 3 | 10 | 40 | 15 | 25 | 14 | 6 | 75 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 33 |

Switch 75 and 33

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 3 | 10 | 40 | 15 | 25 | 14 | 6 | 33 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 75 |

Switch 40 and 6

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 3 | 10 | 6 | 15 | 25 | 14 | 40 | 33 | 60 | 28 | 17 | 34 | 19 | 8 | 42 | 75 |

Switch 40 and 8

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| \ | 3 | 10 | 6 | 15 | 25 | 14 | 8 | 33 | 60 | 28 | 17 | 34 | 19 | 40 | 42 | 75 |