**PATTERN 1**

|  |
| --- |
| \_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_| |
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UNIT :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 |
| 0 | \_ | | | \_ | \_ |
| 1 | \_ | \_ | \_ | | |

TABLE:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0 | \_ | | | \_ | \_ | \_ | | | \_ | \_ |
| 1 | \_ | \_ | \_ | | | \_ | \_ | \_ | | |
| 2 | \_ | | | \_ | \_ | \_ | | | \_ | \_ |
| 3 | \_ | \_ | \_ | | | \_ | \_ | \_ | | |

FOR ‘\_’ OF UNIT (ROW-0 COL-0)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 0 | 0 | Row = 2\*i |
| 2 | 1 | Row = 2\*i |
| 4 | 2 | Row = 2\*i |
| 6 | 3 | Row = 2\*i |
| 8 | 4 | Row = 2\*i |
| 10 | 5 | Row = 2\*i |
| 12 | 6 | Row = 2\*i |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 0 | 0 | Column = 4\*j |
| 4 | 1 | Column = 4\*j |
| 8 | 2 | Column = 4\*j |
| 12 | 3 | Column = 4\*j |
| 16 | 4 | Column = 4\*j |
| 20 | 5 | Column = 4\*j |
| 24 | 6 | Column = 4\*j |

FOR ‘|’ OF UNIT (ROW = 0 COLUMN = 1)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 0 | 0 | Row = 2\*i |
| 2 | 1 | Row = 2\*i |
| 4 | 2 | Row = 2\*i |
| 6 | 3 | Row = 2\*i |
| 8 | 4 | Row = 2\*i |
| 10 | 5 | Row = 2\*i |
| 12 | 6 | Row = 2\*i |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 1 | 0 | Column = 4\*j +1 |
| 5 | 1 | Column = 4\*j +1 |
| 9 | 2 | Column = 4\*j +1 |
| 13 | 3 | Column = 4\*j +1 |
| 17 | 4 | Column = 4\*j +1 |
| 21 | 5 | Column = 4\*j +1 |
| 25 | 6 | Column = 4\*j +1 |

FOR ‘\_’ OF UNIT (ROW-0 COL-2)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 0 | 0 | Row = 2\*i |
| 2 | 1 | Row = 2\*i |
| 4 | 2 | Row = 2\*i |
| 6 | 3 | Row = 2\*i |
| 8 | 4 | Row = 2\*i |
| 10 | 5 | Row = 2\*i |
| 12 | 6 | Row = 2\*i |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 2 | 0 | Column = 4\*j + 2 |
| 6 | 1 | Column = 4\*j + 2 |
| 10 | 2 | Column = 4\*j + 2 |
| 14 | 3 | Column = 4\*j + 2 |
| 18 | 4 | Column = 4\*j + 2 |
| 22 | 5 | Column = 4\*j + 2 |
| 26 | 6 | Column = 4\*j + 2 |

FOR ‘\_’ OF UNIT (ROW = 0 COLUMN = 2)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 0 | 0 | Row = 2\*i |
| 2 | 1 | Row = 2\*i |
| 4 | 2 | Row = 2\*i |
| 6 | 3 | Row = 2\*i |
| 8 | 4 | Row = 2\*i |
| 10 | 5 | Row = 2\*i |
| 12 | 6 | Row = 2\*i |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 3 | 0 | Column = 4\*j +3 |
| 7 | 1 | Column = 4\*j +3 |
| 11 | 2 | Column = 4\*j +3 |
| 15 | 3 | Column = 4\*j +3 |
| 19 | 4 | Column = 4\*j +3 |
| 23 | 5 | Column = 4\*j +3 |
| 27 | 6 | Column = 4\*j +3 |

FOR ‘\_’ OF UNIT (ROW=1 COL =0)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 1 | 0 | Row = 2\*I +1 |
| 3 | 1 | Row = 2\*I +1 |
| 5 | 2 | Row = 2\*I +1 |
| 7 | 3 | Row = 2\*I +1 |
| 9 | 4 | Row = 2\*I +1 |
| 11 | 5 | Row = 2\*I +1 |
| 13 | 6 | Row = 2\*I +1 |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 0 | 0 | Column = 4\*j |
| 4 | 1 | Column = 4\*j |
| 8 | 2 | Column = 4\*j |
| 12 | 3 | Column = 4\*j |
| 16 | 4 | Column = 4\*j |
| 20 | 5 | Column = 4\*j |
| 24 | 6 | Column = 4\*j |

FOR ‘\_’ OF UNIT (ROW= 1 COL=1 )

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 1 | 0 | Row = 2\*I +1 |
| 3 | 1 | Row = 2\*I +1 |
| 5 | 2 | Row = 2\*I +1 |
| 7 | 3 | Row = 2\*I +1 |
| 9 | 4 | Row = 2\*I +1 |
| 11 | 5 | Row = 2\*I +1 |
| 13 | 6 | Row = 2\*I +1 |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 1 | 0 | Column = 4\*j +1 |
| 5 | 1 | Column = 4\*j +1 |
| 9 | 2 | Column = 4\*j +1 |
| 13 | 3 | Column = 4\*j +1 |
| 17 | 4 | Column = 4\*j +1 |
| 21 | 5 | Column = 4\*j +1 |
| 25 | 6 | Column = 4\*j +1 |

FOR ‘\_’ OF UNIT (ROW=1 COL =2)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 1 | 0 | Row = 2\*I +1 |
| 3 | 1 | Row = 2\*I +1 |
| 5 | 2 | Row = 2\*I +1 |
| 7 | 3 | Row = 2\*I +1 |
| 9 | 4 | Row = 2\*I +1 |
| 11 | 5 | Row = 2\*I +1 |
| 13 | 6 | Row = 2\*I +1 |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 2 | 0 | Column = 4\*j + 2 |
| 6 | 1 | Column = 4\*j + 2 |
| 10 | 2 | Column = 4\*j + 2 |
| 14 | 3 | Column = 4\*j + 2 |
| 18 | 4 | Column = 4\*j + 2 |
| 22 | 5 | Column = 4\*j + 2 |
| 26 | 6 | Column = 4\*j + 2 |

FOR ‘|’ OF UNIT (ROW= 1 COL= 3)

|  |  |  |
| --- | --- | --- |
| ROW | Vertical Unit Number(i) |  |
| 1 | 0 | Row = 2\*I +1 |
| 3 | 1 | Row = 2\*I +1 |
| 5 | 2 | Row = 2\*I +1 |
| 7 | 3 | Row = 2\*I +1 |
| 9 | 4 | Row = 2\*I +1 |
| 11 | 5 | Row = 2\*I +1 |
| 13 | 6 | Row = 2\*I +1 |

|  |  |  |
| --- | --- | --- |
| COLOUMN | Horizontal Unit Number(j) |  |
| 3 | 0 | Column = 4\*j +3 |
| 7 | 1 | Column = 4\*j +3 |
| 11 | 2 | Column = 4\*j +3 |
| 15 | 3 | Column = 4\*j +3 |
| 19 | 4 | Column = 4\*j +3 |
| 23 | 5 | Column = 4\*j +3 |
| 27 | 6 | Column = 4\*j +3 |