ALPHABET A

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| **Row=1** |  |  |  |  | \* |  |  |  |  |  |  |
| **Row=2** |  |  |  | \* |  | \* |  |  |  |  |  |
| **Row=3** |  |  | \* | \* | \* | \* | \* |  |  |  |  |
| **Row=4** |  | \* |  |  |  |  |  | \* |  |  |  |
| **Row=5** | \* |  |  |  |  |  |  |  | \* |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| **Row=1** |  |  |  |  | (1,5) |  |  |  |  |  |  |
| **Row=2** |  |  |  | (2,4) |  | (2,6) |  |  |  |  |  |
| **Row=3** |  |  | (3,3) | (3,4) | (3,5) | (3,6) | (3,7) |  |  |  |  |
| **Row=4** |  | (4,2) |  |  |  |  |  | (4,8) |  |  |  |
| **Row=5** | (5,1) |  |  |  |  |  |  |  | (5,9) |  |  |

BY OBSERVATION OF COORDINATES:

1. (1,5),(2,6),(3,7),(4,8),(5,9) ---------- Col-Row = 4 i.e. Col - Row = total\_row – 1
2. (1,5),(2,4),(3,3),(4,2),(5,1) ---------- Row + Col = 6 i.e. Row + Col = total\_row +1
3. (3,3),(3,4),(3,5),(3,6),(3,7) ---------- (3 <=Col<= 7 && Row=3) i.e.

(Row = total\_row/2 +1)

total\_row/2 < Col<= 3\*(total\_row)/2 (IF ODD NO. OF ROWS)

total\_row/2 <=Col<= 3\*(total\_row)/2 (IF EVEN NO. OF ROWS)