**Question 91 pts**

Matrix M has 4 dimensions, namely D1, D2, D3, and D4.  
Matrix M is represented by the following Table T.

| Table T | | | | |
| --- | --- | --- | --- | --- |
| **D1** | **D2** | **D3** | **D4** | **V** |
| 2 | 3 | 1 | 1 | 4 |
| 2 | 2 | 1 | 4 | 3 |
| 1 | 1 | 3 | 2 | 2 |
| 2 | 2 | 1 | 2 | 1 |
| 1 | 2 | 1 | 2 | 1 |
| 1 | 1 | 2 | 2 | 1 |

How many elements with null values does matrix M have (at a minimum)?

|  |  |
| --- | --- |
|  | 36 |
|  | 6 |

|  |  |
| --- | --- |
|  | 30 |
|  | 9 |

The following Table T represents, a sparse 2D matrix, M, below.  The column X represents the up-down dimension of the matrix.  The column Z represents the left-right dimension of the matrix.

| Table T | | |
| --- | --- | --- |
| **X** | **Z** | **N** |
| 1 | 1 | 8 |
| 1 | 4 | 5 |
| 3 | 1 | 6 |

Which of the following matrices is M?



| Matrix M | | | |
| --- | --- | --- | --- |
|  | **1** | **2** | **3** |
| **1** | 8 |  | 5 |
| **2** |  |  |  |
| **3** |  |  |  |
| **4** | 6 |  |  |



| Matrix M | | | |
| --- | --- | --- | --- |
|  | **1** | **2** | **3** |
| **1** | 8 |  | 5 |
| **2** |  |  |  |
| **3** | 6 |  |  |

**You Answered**



Matrix M is none of these options

**Correct Answer**



| Matrix M | | | | |
| --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** |
| **1** | 8 |  |  |  |
| **2** |  |  |  | 5 |
| **3** | 6 |  |  |  |