Knapsack weight = 7

Weights = {2,1,3,2}

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **i\j** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **1** | **0** | **0** | **12** | **12** | **12** | **12** | **12** | **12** |
| **2** | **0** | **10** | **12** | **22** | **22** | **22** | **22** | **22** |
| **3** | **0** | **10** | **12** | **22** | **31** | **33** | **43** | **43** |
| **4** | **0** | **10** | **15** | **35** | **31** | **37** | **46** | **48** |

Values = {12,10,21,15}

M(i,j) = Max. Value that can be obtained when knapsack capacity is j and first i items are used.