```
2
         = 3 # 行の要素数
 3
     ROW
    COLUMN = 4 # 列の要素数
 4
 5
6
    def main():
        global ROW, COLUMN
7
        a = Dmatrix(1, ROW, 1, COLUMN) # 行列 a[1...ROW][1...COLUMN]
8
        b = Dmatrix(1, ROW, 1, COLUMN) # 行列 b[1...ROW][1...COLUMN]
9
        # 行列の定義
11
        for i in range(1, ROW+1):
12
            for j in range(1, COLUMN+1):
13
                a[i][j] = 2.0 * (i + j)
14
15
                b[i][j] = 3.0 * (i + j)
        # 行列の和の計算
17
        c = matrix_sum(a, b)
19
        # 結果の表示
        print("行列 A と行列 B の和は次の通りです")
21
        for i in range(1, ROW+1):
            for j in range(1, COLUMN+1):
                print(c[i][j], end=" ")
24
            print()
27
    # 行列の和
    # a[m1...m2][n1...n2] と b[m1...m2][n1...n2] の和を求める.
    def matrix_sum(a: Dmatrix, b: Dmatrix):
        m1, m2 = a.row_head_idx, a.row_last_idx
31
        n1, n2 = a.col_head_idx, a.col_last_idx
32
        c = Dmatrix(m1, m2, n1, n2)
34
        for i in range(m1, m2+1):
            for j in range(n1, n2+1):
                c[i][j] = a[i][j] + b[i][j]
        return c
41
42
    if __name__ == "__main__":
```

1

from program2_2 import Dmatrix