## Submission Detail

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|---|---|
| **ID** | #513325 |
| **Problem** | MultiplyMatrix (https://ejudge.it.kmitl.ac.th/problem/2986) |
| **Username** | it60070183(นายธีรภัทร ไกรศรีสิริกุล) (https://ejudge.it.kmitl.ac.th/account/1506) |
| **Language** | Python |
| **Correctness Score** | 100 Points |
| **Bonus Score** | 900 Points |
| **Quality** | 100% How to improve your code |
| **Summary Score** | 1000 Points |
| **Time** | 2017-11-09 15:25:09 |

## Details

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|---|---|---|
| **Case 1** [#4124] : | Passed | **0.04122900 sec.** |
| **Case 2** [#4125] : | Passed | **0.04445900 sec.** |
| **Case 3** [#4126] : | Passed | **0.09301900 sec.** |
| **Case 4** [#4127] : | Passed | **0.04458000 sec.** |
| **Case 5** [#4128] : | Passed | **0.05039600 sec.** |
| **Case 6** [#4129] : | Passed | **0.04751100 sec.** |
| **Case 7** [#4130] : | Passed | **0.07078400 sec.** |
| **Case 8** [#4131] : | Passed | **0.10191800 sec.** |
| **Case 9** [#4132] : | Passed | **0.04078300 sec.** |
| **Case 10** [#4133] : | Passed | **0.06245000 sec.** |

## Code

Pointers=false&textReferences=false&showOnlyOutputs=false&py=3&rawInputLstJSON=%5B%5D&curInstr=0)

```python
"""
PSIT - Week 12
Teerapat Kraisrisirikul (60070183)
"""

def main():
    """ Main function """
    var_p, var_q, var_r = int(input()), int(input()), int(input())
    matrice_a = [[int(input()) for _ in range(var_q)] for _ in range(var_p)]
    matrice_b = [[int(input()) for _ in range(var_r)] for _ in range(var_q)]
    matrice_new = [[None for _ in range(var_r)] for _ in range(var_p)]

    for i in range(var_p):
        for j in range(var_r):
            matrice_new[i][j] = calculate(matrice_a, matrice_b, i, j)

    for i in range(len(matrice_a)):
        for j in range(len(matrice_b[0])):
            print(matrice_new[i][j], end=' ')
        print()

def calculate(matrice_a, matrice_b, digit_i, digit_j):
    """ Calculate a row and column of matrice """
    row = [matrice_a[digit_i][j] for j in range(len(matrice_a[0]))]
    col = [matrice_b[i][digit_j] for i in range(len(matrice_b))]

    total = 0
    for i in range(len(row)):
        total += row[i]*col[i]
    return total

main()
```