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Penjelasan Program

```
string encrypt(string plainT, int n)
 int plaintext[1000][3] = {0};
 int ciphertext[1000][3] = {0};
 int ptloop = 0;
 while (plainT.length() % n != 0)
     plainT += "x";
 int row = (plainT.length()) / n;
 for (int i = 0; i < row; i++)</pre>
     for (int j = 0; j < n; j++)
         plaintext[i][j] = plainT[ptloop++] - 'a';
 multiplyMatrices(plaintext, row, n, key, n, n, ciphertext);
 string cipherT = "";
 for (int i = 0; i < row; i++)</pre>
     for (int j = 0; j < n; j++)</pre>
         cipherT += (ciphertext[i][j] + 'a');
 return cipherT;
```

```
string decrypt(string cipherTeks, int n)
int plaintext[1000][3] = {0};
int ciphertext[1000][3] = {0};
int ctloop = 0;
int row = cipherTeks.length() / n;
for (int i = 0; i < row; i++)
    for (int j = 0; j < n; j++)</pre>
         ciphertext[i][j] = cipherTeks[ctloop++] - 'a';
 int k_inverse[3][3] = {0};
findInverse(key, n, k_inverse);
multiplyMatrices(ciphertext, row, n, k_inverse, n, n, plaintext);
string plainTeks = "";
for (int i = 0; i < row; i++)
    for (int j = 0; j < n; j++)
         plainTeks += (plaintext[i][j] + 'a');
return plainTeks;
```