```
/* Performs linear transformation on a double matrix
*
* @param m The matrix
* @param k Scalar
* @param d Add value
* @return Transformed matrix
*/
```

public static double[][] linearTrans(double[][] m, double k, double d)

double[][] result = new double[m.length][m[0].length];
int i = 0;

i < m.length?

— No → return result; → End

Yes

int j = 0;

j < m[0].length? — No → i++

Yes

result[i][j] = m[i][j] * k + d;

j++