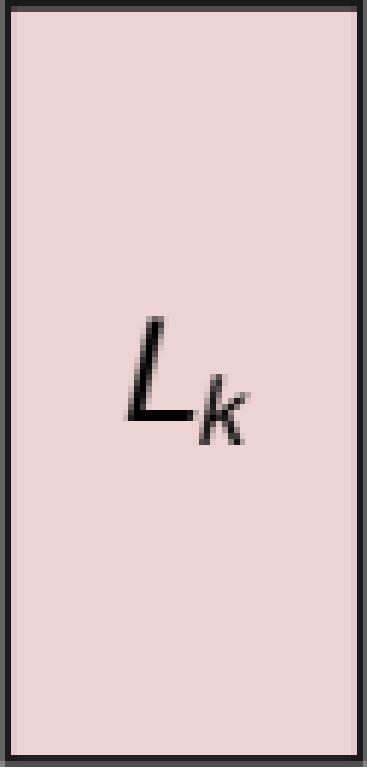
 M \approx  L_k \times  R_k^T $k \times n$ $m \times n$ $m \times k$