$$\begin{array}{c} \overset{N}{M} \\ \overset{M}{K} \\ & \overset{\min(N,M)}{K} \\ \overset{E}{R} \\ & \overset{E}{R}^{N\times M} \\ \overset{E}{K} \\ & \overset{E}{R}^{N\times M} \\ & \overset{E}{K} \\ & \overset{E}{R}^{N\times M} \\ & \overset{E}{K} \\ & \overset{E$$