$C = A \cdot B$

$C = \overbrace{\begin{bmatrix} [\cdot] & [\cdot] \\ [\cdot] & [\cdot] \end{bmatrix}}^{\text{sparse } A} \cdot B$

$$C = \begin{bmatrix} [\cdot] & \begin{pmatrix} 0 & \begin{pmatrix} 0 & [\cdot] \\ [\cdot] & [\cdot] \end{pmatrix} \\ [\cdot] & [\cdot] \end{pmatrix} \\ \begin{pmatrix} [\cdot] & \begin{pmatrix} 0 & [\cdot] \\ [\cdot] & [\cdot] \end{pmatrix} \\ \begin{pmatrix} [\cdot] & [\cdot] \\ [\cdot] & [\cdot] \end{pmatrix} & [\cdot] \end{pmatrix} & [\cdot] \end{bmatrix} \cdot B$$

LIBRSB

Universal *Sparse BLAS* Library

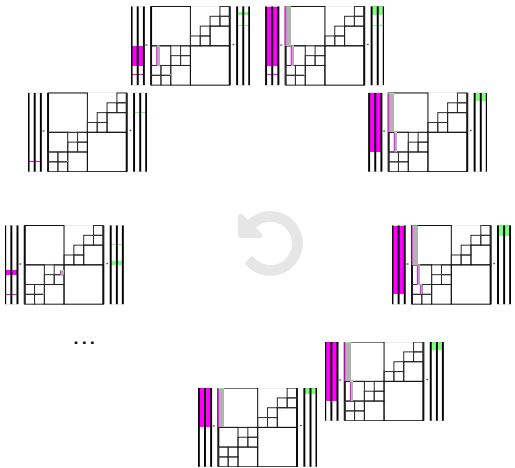
THE C PROGRAMMING LANGUAGE

C++

SciPy.org

GNU Octave

...



https://librsb.sf.net

apt install librsb-dev # spack install librsb # guix install librsb # eb search librsb

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