Optimization [A(x,z) B(x,z) T₁(z)] [B(w) T₁(w)]M^{FJ} select * M from A, B, C, D T_2 where A.x = B.x and [C(y) D(y)] M A.z = B.z and M В C.y = D.y and A.z = C.z and T_1 В C A B.w = D.wD thread 1 Α GHT (B) GHT (T_1) thread 1 GHT (D) **У**9 **У**4 **X**₁**Z**₃ **X**₁**Z**₈ $\mathbf{x}_1 \mathbf{x}_1 \mathbf{x}_1 \mathbf{x}_4 \mathbf{x}_3 \mathbf{x}_5 \mathbf{x}_0$ $\mathbf{z}_0 \mathbf{z}_8 \mathbf{z}_1 \mathbf{z}_0 \mathbf{z}_9 \mathbf{z}_5$ $egin{bmatrix} \mathbf{y}_3 & \mathbf{y}_4 & \mathbf{y}_5 & \mathbf{y}_6 & \mathbf{y}_1 & \mathbf{y}_2 \end{bmatrix}$ $\mathbf{z}_8 \, | \, \mathbf{z}_4 \, | \, \mathbf{z}_1 \, | \, \mathbf{z}_0 \, | \, \mathbf{z}_9 \, | \, \mathbf{z}_5$ $\mathbf{x}_{3}\mathbf{z}_{0}$ $\mathbf{x}_{6}\mathbf{z}_{8}$ thread 2 $\mathbf{w}_2 | \mathbf{w}_1 | \mathbf{w}_0$ thread $\left[\mathbf{w}_{4} \,\middle|\, \mathbf{w}_{3} \,\middle|\, \mathbf{w}_{0}\right]$ $\begin{bmatrix} \mathbf{w}_4 & \mathbf{w}_3 & \mathbf{w}_0 \end{bmatrix}$ $\left[\mathbf{w}_{2} \,\middle|\, \mathbf{w}_{1} \,\middle|\, \mathbf{w}_{0} \right]$

Multi-threaded Engine