$\forall i \in rows$

1. Initialize temporary array/vector to all zeros (x).

2. $\forall k \in columns$

   (a) $\forall l \in ha.Size$ $x+ = \begin{cases} S_{i,k-l} * hA_l, & \text{if } k - l \in columns \\ 0, & \text{otherwise} \end{cases}$

3. $\forall k \in columns/2$

   $result_{i,k} = x_{2k+1}$ (In other words, odd split)

4. Initialize x to all zeros.

5. $\forall k \in columns$

   (a) $\forall l \in hd.Size$ $x+ = \begin{cases} S_{i,k-l} * hD_l, & \text{if } k - l \in columns \\ 0, & \text{otherwise} \end{cases}$

6. $\forall k \in columns/2$

   $result_{i,k+columns/2} = x_{2k+1}$ (In other words, odd split)