

$$s = yH^T = y \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 1 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & 0 & 1 \\ 0 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix} = \begin{pmatrix} 0 & 1 & 1 \end{pmatrix}$$

The matrix multiplication is shown with the following annotations:

- The 3rd row of the matrix H^T (1 1 0) is circled in blue.
- A red line points from the text "3ème ligne" to the circled row.
- A blue line points from the text "Erreur au 6ème bit" to the 6th row of the matrix H^T (0 1 1).
- The result vector $(0 \ 1 \ 1)$ is shown with "MSB" under the first element and "LSB" under the last element.