

$$H = \begin{array}{c} \begin{array}{c} C_1 \\ C_2 \\ P_1 \\ P_2 \\ P_3 \\ P_4 \\ P_5 \\ P_6 \end{array} \left[ \begin{array}{ccccccccc} & C_1 & & & P_1 & P_2 & P_3 & P_4 & P_5 & P_6 \\ C_1 & \text{blue block} & & & \text{blue block} & \text{blue block} & \text{blue block} & \text{blue block} & & \text{red block} \\ C_2 & & \text{blue block} & & & & \text{blue block} & \text{blue block} & \text{blue block} & \text{red block} \\ P_1 & \text{blue block} & & \text{blue block} & & & & & & \\ P_2 & \text{blue block} & & & \text{blue block} & & & & & \\ P_3 & \text{blue block} & \text{blue block} & & & \text{blue block} & & & & \\ P_4 & \text{blue block} & \text{blue block} & & & & \text{blue block} & & & \\ P_5 & & \text{blue block} & & & & & \text{blue block} & & \\ P_6 & & \text{blue block} & & & & & & \text{blue block} & \end{array} \right] \end{array}$$

Diagram illustrating a matrix  $H$  with rows and columns labeled  $C_1, C_2, P_1, P_2, P_3, P_4, P_5, P_6$ . The matrix contains blue blocks representing non-zero entries. A red arrow points from the  $C_2$  row to the  $C_2$  column, and another red arrow points from the  $C_2$  row to the  $P_6$  column. The entry at  $(C_2, P_6)$  is highlighted in red.

