

Step 5: Copy first row into first column

$$A = \begin{bmatrix} 1 & 0 & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{4} \\ 0 & \boxed{} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{4}} \\ \frac{1}{2} & & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{4}} \\ \frac{1}{2} & & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{4}} \\ \frac{1}{2} & & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{4}} \\ \frac{1}{4} & & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{2}} & \phantom{\frac{1}{4}} \end{bmatrix}$$