Diagonal element:

$$(A)_{11} = 1 + F_{1\,\#} = 1 + \tfrac{1}{2}(A)_{NA,NA} = 1$$

($(A)_{NA,NA} = 0$)

off diagonal:

$$(A)_{12} = \tfrac{1}{2}(A)_{1,NA} + \tfrac{1}{2}(A)_{1,NA} = 0$$

$$(A)_{13} = \tfrac{1}{2}(A)_{11} + \tfrac{1}{2}(A)_{12} =$$

$$= \tfrac{1}{2}\cdot 1 + \tfrac{1}{2}\cdot 0 = \tfrac{1}{2}$$

$$(A)_{14} = \tfrac{1}{2}(A)_{11} + \tfrac{1}{2}(A)_{1,NA} = \tfrac{1}{2}$$

$$(A)_{15} = \tfrac{1}{2}(A)_{14} + \tfrac{1}{2}(A)_{13} =$$

$$= \tfrac{1}{2}\cdot\tfrac{1}{2} + \tfrac{1}{2}\cdot\tfrac{1}{2} = \tfrac{1}{2}$$

$$(A)_{16} = \tfrac{1}{2}(A)_{15} + \tfrac{1}{2}(A)_{12} =$$

$$= \tfrac{1}{2}\cdot\tfrac{1}{2} + \tfrac{1}{2}\cdot 0 = \tfrac{1}{4}$$

Step 3: Because A is symmetric, the first row is copied to the first column

Step 4: Continue with row 2:

Diagonal: $(A)_{22} = 1 + F_2 = 1 + \tfrac{1}{2}(A)_{NA,NA} = 1$