Time Step 
$$k$$

$$k = 0 \qquad k = 1 \qquad k = 2 \qquad k = 3 \qquad k = 4$$

$$S = 0 \qquad G_{0,0} \qquad G_{1+r} \qquad G_{1,0} \qquad G_{1+r} \qquad G_{2,0} \qquad G_{1+r} \qquad G_{3,0} \qquad G_{1+r} \qquad G_{4,0}$$

$$S = 1 \qquad G_{1+r} \qquad G_{2,1} \qquad G_{3,1} \qquad G_{3,1} \qquad G_{4,1}$$

$$S = 3 \qquad G_{K,s} = \frac{1}{1+r} \left[ qC_{K+1,s} + (1-q)C_{K+1,s+1} \right] \qquad G_{3,3} \qquad G_{3,3} \qquad G_{4,3}$$

$$S = 4 \qquad G_{4,4}$$