

$$b_{i,i+\ell+1} = \frac{b_{i+1,i+\ell+2}(1-b_{i,i+1}) - \left(\sum_{k=i+2}^{i+\ell} b_{i,k}b_{k,i+\ell+2}\right)}{1+b_{i+\ell+1,i+\ell+2}}, 1 \leq i \leq n-\ell-1.$$