$$For \quad i = 0, 1, ..., n - 1$$

$$\begin{cases} C_{used}^{(n-1-i)} = A^{(i)} \quad \% \quad C[n-1-i] \\ A^{(i+1)} = A^{(i)} - C_{used}^{(n-1-i)} \times C[n-1-i] \end{cases}$$