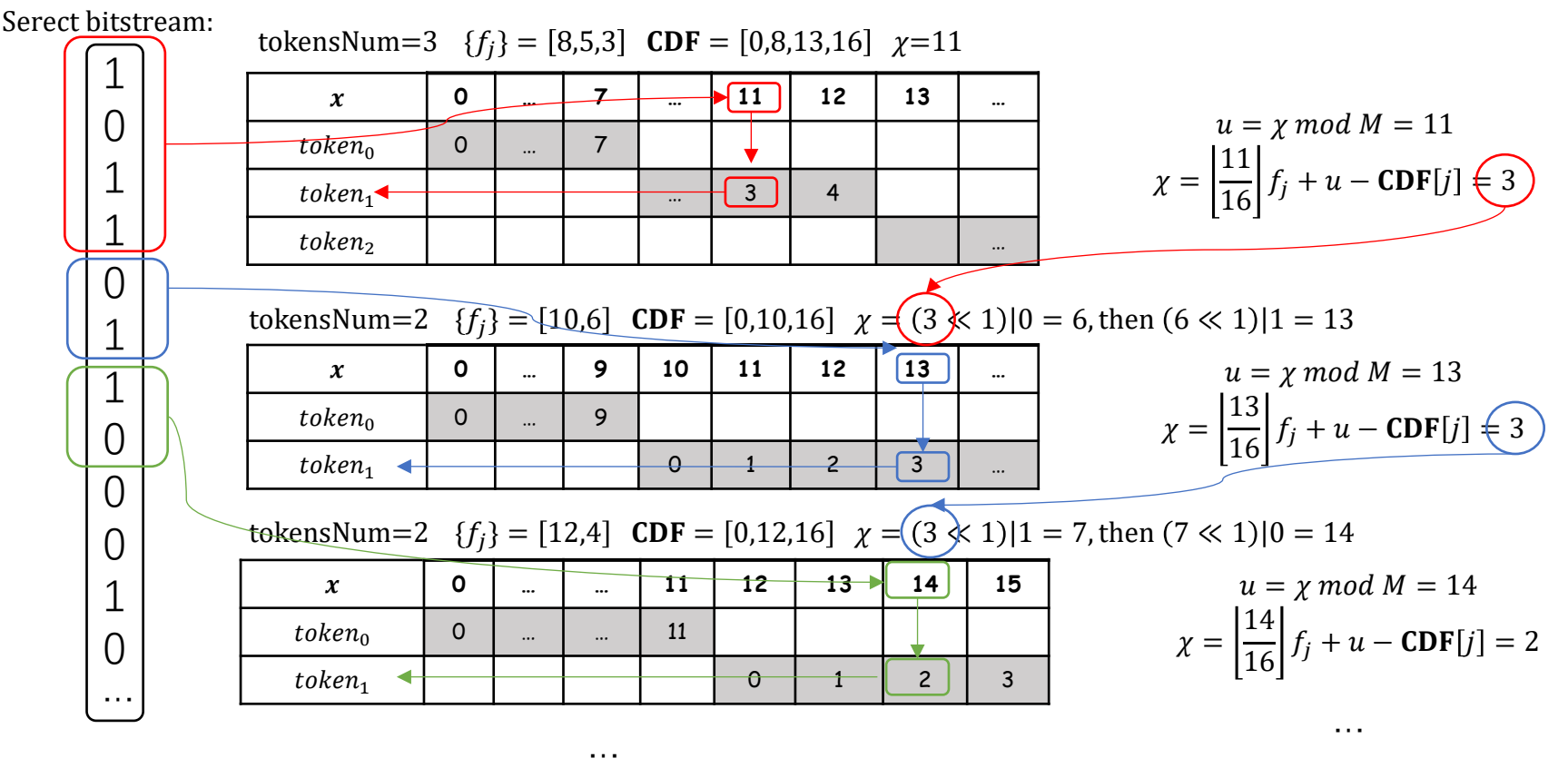
Serect bitstream:
1 0 1 1 0 1 1 0 0 0 1 0 …
tokensNum=3 $\{f_j\}=[8,5,3]$ CDF = [0,8,13,16] χ=11
x 0 … 7 … 11 12 13 …
token0 0 … 7
token1 … 3 4
token2 …
$u = \chi \bmod M = 11$
$\chi = \left\lfloor \frac{11}{16} \right\rfloor f_j + u - \mathbf{CDF}[j] = 3$
tokensNum=2 $\{f_j\}=[10,6]$ CDF = [0,10,16] $\chi = (3 \ll 1)|0 = 6$, then $(6 \ll 1)|1 = 13$
x 0 … 9 10 11 12 13 …
token0 0 … 9
token1 0 1 2 3 …
$u = \chi \bmod M = 13$
$\chi = \left\lfloor \frac{13}{16} \right\rfloor f_j + u - \mathbf{CDF}[j] = 3$
tokensNum=2 $\{f_j\}=[12,4]$ CDF = [0,12,16] $\chi = (3 \ll 1)|1 = 7$, then $(7 \ll 1)|0 = 14$
x 0 … … 11 12 13 14 15
token0 0 … … 11
token1 0 1 2 3
$u = \chi \bmod M = 14$
$\chi = \left\lfloor \frac{14}{16} \right\rfloor f_j + u - \mathbf{CDF}[j] = 2$
…
…