#### Residual coding syntax

|  |  |
| --- | --- |
| cRiceParamInit = 2 |  |
| for( n = 15; n >= 0; n− − ) { |  |
| xC = ( xS << 2 ) + ScanOrder[ 2 ][ scanIdx ][ n ][ 0 ] |  |
| yC = ( yS << 2 ) + ScanOrder[ 2 ][ scanIdx ][ n ][ 1 ] |  |
| if( sig\_coeff\_flag[ xC ][ yC ] ) { |  |
| if( numGreater1Flag < 8 ) { |  |
| **coeff\_abs\_level\_greater1\_flag**[ n ] | ae(v) |
| numGreater1Flag++ |  |
| if( coeff\_abs\_level\_greater1\_flag[ n ] ~~&& lastGreater1ScanPos = = −1~~) { |  |
| if( lastGreater1ScanPos = = −1 ) |  |
| lastGreater1ScanPos = n |  |
| } else |  |
| cRiceParamInit = 0 |  |
| } |  |
| if( lastSigScanPos = = −1 ) |  |
| lastSigScanPos = n |  |
| firstSigScanPos = n |  |
| } |  |
| } |  |
| if (!transform\_skip\_flag[ x0 ][ y0 ][ cIdx ] || !cu\_transquant\_bypass\_flag || numGreater1Flag < 8) |  |
| cRiceParamInit = 0 |  |

#### 9.3.3.9 Binarization process for coeff\_abs\_level\_remaining

The variables cLastAbsLevel and cLastRiceParam are derived as follows:

* If this process is invoked for the first time for the current sub-block scan index i, cLastAbsLevel is set equal to 0 and cLastRiceParam is set equal to cRiceParamInit.