1. The merging candidate list, extMergeCandList, is constructed as follows:

i = 0  
 if( availableFlagT )  
 extMergeCandList[ i++ ] = T  
 if( availableFlagD )  
 extMergeCandList[ i++ ] = D  
 if( availableFlagIvMC && ( !availableFlagT  | |  differentMotion( T, IvMC ) ) )  
 extMergeCandList[ i++ ] = IvMC  
 N = DepthFlag ? T : IvMC  
 if( availableFlagA1 && ( !availableFlagN  | |  differentMotion( N, A1 ) ) )  
 extMergeCandList[ i++ ] = A1 if( availableFlagB1 && ( !availableFlagN  | |  differentMotion( N, B1 ) ) )  
 extMergeCandList[ i++ ] = B1 if( availableFlagB0 )  
 extMergeCandList[ i++ ] = B0 (I‑103) if( availableFlagIvDC && ( !availableFlagA1  | |  differentMotion( A1, IvDC ) ) &&   
 ( !availableFlagB1  | |  differentMotion( B1, IvDC ) ) && ( i < ( 5 + NumExtraMergeCand ) ) )  
 extMergeCandList[ i++ ] = IvDC  
 ~~if( availableFlagVSP && !ic\_flag && iv\_res\_pred\_weight\_idx = = 0 &&   
 i < ( 5 + NumExtraMergeCand ) )  
 extMergeCandList[ i++ ] = VSP~~  
 if( availableFlagA0 && i < ( 5 + NumExtraMergeCand ) )  
 extMergeCandList[ i++ ] = A0 if( availableFlagB2 && i < ( 5 + NumExtraMergeCand ) )  
 extMergeCandList[ i++ ] = B2 if( availableFlagIvMCShift && i < ( 5 + NumExtraMergeCand ) &&  
 ( !availableFlagIvMC  | |  differentMotion( IvMC, IvMCShift ) ) )  
 extMergeCandList[ i++ ] = IvMCShift

if( availableFlagVSP && !ic\_flag && iv\_res\_pred\_weight\_idx = = 0 && VspModeFlag[xPb - 1][yPb + nPbH - 1] == 0){

j = 5 + NumExtraMergeCand - 1

while ( j > 4 ){

extMergeCandList[j] = extMergeCandList[j-1]

j--

}

extMergeCandList[3] = VSP

}

I.8.5.3.2.17 Derivation process for a view synthesis prediction flag

Inputs to this process are:

* a luma location ( xCb, yCb ) of the top-left sample of the current luma coding block relative to the top-left luma sample of the current picture,
* a luma location ( xPb, yPb ) of the top-left sample of the current luma prediction block relative to the top-left luma sample of the current picture,
* two variables nPbW and nPbH specifying the width and the height of the current prediction block,
* a merge candidate indicator N, specifying the merge candidate.

Outputs of this process are:

* a variable mergeCandIsVspFlag specifying, whether the merge candidate is a view synthesis prediction merge candidate.

1. The variable mergeCandIsVspFlag is derived as specified in the following:

* If N is equal to VSP, mergeCandIsVspFlag is set equal to 1,
* Otherwise, if N is equal to A1, the variable mergeCandIsVspFlag is set equal to VspModeFlag[xPb - 1][yPb + nPbH - 1],~~B~~~~1~~~~,~~~~B~~~~0~~~~,~~~~A~~~~0~~~~,~~~~or B~~~~2~~~~,~~~~the following applies:~~ 
  + ~~The luma position ( xN, yN ) is specified in Table I‑10 depending on N.~~
  + ~~If one of the following conditions is true, the variable mergeCandIsVspFlag is set equal to VspModeFlag[ xN ][ yN ].~~
    - ~~N is equal to A~~~~1~~ ~~or A~~~~0~~
    - ~~N is equal to B~~~~0~~~~,~~~~B~~~~1~~~~,~~~~or B~~~~2~~ ~~and ( yN  >>  Log2CtbSizeY ) is equal to ( yCb >> Log2CtbSizeY )~~
  + ~~Otherwise, ,mergeCandIsVspFlag is set equal to 0.~~
* Otherwise, mergeCandIsVspFlag is set equal to 0.

~~Table I‑10 – Specification of xN and yN depending on N~~

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **~~N~~** | ~~A~~~~1~~ | ~~B~~~~1~~ | ~~B~~~~0~~ | ~~A~~~~0~~ | ~~B~~~~2~~ |
| **~~xN~~** | ~~xPb − 1~~ | ~~xPb + nPbW − 1~~ | ~~xPb + nPbW~~ | ~~xPb − 1~~ | ~~xPb − 1~~ |
| **~~yN~~** | ~~yPb + nPbH − 1~~ | ~~yPb − 1~~ | ~~yPb − 1~~ | ~~yPb + nPbH~~ | ~~yPb − 1~~ |