H.8.5.2.1.12 Derivation process for a view synthesis prediction merge candidate

Inputs to this process are:

* a luma location ( xC, yC ) 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 ( xP, yP ) of the top-left luma sample of the current prediction unit relative to the top-left luma sample of the current picture,
* a variable nCS specifying the size of the current luma coding block,
* variables nPSW and nPSH specifying the width and the height, respectively, of the current prediction unit,
* a variable partIdx specifying the index of the current prediction unit within the current coding unit.

Outputs of this process are

* a view order index refViewIdx specifying a reference view,
* the availability flag availableFlagVSP whether the VSP merge candidate is available,
* the reference indices refIdxL0VSP and refIdxL1VSP ,
* the prediction list utilization flags predFlagL0VSP and predFlagL1VSP,
* the motion vectors mvL0VSP and mvL1VSP.

The derivation process for a disparity vector as specified in subclause H.8.5.4 is invoked with the luma locations ( xC, yC ) and ( xP, yP ), the coding block size nCS, the variables nPSW and nPSH, the partition index partIdx and the flag deriveFromDepthFlag being equal to 0 as the inputs and the outputs are the flag availableDV, the view order index of the reference view refViewIdx and the disparity vector mvDisp.

The variable availableFlagVSP is set equal to 1 and for X in the range of 0 to 1, inclusive, the following applies:

mvLXVSP = ( X = = 0 ) ? mvDisp : ( 0, 0 ) (H‑)  
refIdxLXVSP = −1 (H‑)  
predFlagLXVSP = ( 1 − X ) (H‑)