**8.6.2.6 Derivation process for history-based merging candidates**

Inputs to this process are:

* a merge candidate list mergeCandList,
* the number of available merging candidates in the list numCurrMergeCand.

Outputs to this process are:

* the modified merging candidate list mergeCandList,
* the modified number of merging candidates in the list numCurrMergeCand.

~~The variables isPrunedA~~~~1~~ ~~and isPrunedB~~~~1~~ ~~are both set equal to FALSE.~~

For each candidate in HmvpCandList[ NumHmvpCand − hMvpIdx ] with index hMvpIdx = 1..NumHmvpCand, the following ordered steps are repeated until numCurrMergeCand is equal to MaxNumMergeCand − 1:

1. The variable sameMotion is derived as follows:
   * If all of the following conditions are true for any merging candidate N with N being A1 or B1, sameMotion ~~and isPrunedN are both~~ **is** set equal to TRUE:
   * hMvpIdx is less than or equal to 2.
   * The candidate HmvpCandList[ NumHmvpCand − hMvpIdx] and the merging candidate N have the same motion vectors and the same reference indices.
   * ~~isPrunedN is equal to FALSE.~~
   * Otherwise, sameMotion is set equal to FALSE.
2. When sameMotion is equal to FALSE, the candidate HmvpCandList[ NumHmvpCand − hMvpIdx] is added to the merging candidate list as follows:

mergeCandList[ numCurrMergeCand++ ] = HmvpCandList[ NumHmvpCand − hMvpIdx ] (544)

**8.6.2.4 Derivation process for IBC history-based block vector candidates**

Inputs to this process are:

* a block vector candidate list bvCandList,
* the number of available block vector candidates in the list numCurrCand.

Outputs to this process are:

* the modified block vector candidate list bvCandList,
* the modified number of motion vector candidates in the list numCurrCand.

~~The variables isPrunedA~~~~1~~ ~~and isPrunedB~~~~1~~ ~~are set both equal to FALSE.~~

For each candidate in HmvpIbcCandList[ NumHmvpIbcCand − hMvpIdx ] with index hMvpIdx = 1..NumHmvpIbcCand, the following ordered steps are repeated until numCurrCand is equal to MaxNumIbcMergeCand:

1. The variable sameMotion is derived as follows:
   * If all of the following conditions are true for any block vector candidate N with N being A1 or B1, sameMotion ~~and isPrunedN are~~ ~~both~~ **is** set equal to TRUE:
   * IsGt4by4 is equal to TRUE.
   * hMvpIdx is equal to 1.
   * The candidate HmvpIbcCandList[NumHmvpIbcCand − hMvpIdx] is equal to the block vector candidate N.
   * ~~isPrunedN is equal to FALSE.~~
   * Otherwise, sameMotion is set equal to FALSE.
2. When sameMotion is equal to FALSE, the candidate HmvpIbcCandList[NumHmvpIbcCand − hMvpIdx] is added to the block vector candidate list as follows:

bvCandList[ numCurrCand++ ] = HmvpIbcCandList[ NumHmvpIbcCand − hMvpIdx ] (1083)