CLAIMS:

1. A method for video decoding in a decoder, comprising:

decoding, by a processor, prediction information for a block in an I slice from a coded video bitstream;

determining, by the processor, whether an intra block copy (IBC) mode is possible for the block in the I slice based on the prediction information and a size restriction of the IBC mode;

wherein in response to any one of: (i) a slice type parameter indicating the I slice and a size of the block being greater than a threshold, and (ii) a current mode type parameter is set to MODE_TYPE_INTRA which indicates that only intra prediction mode is possible for the block in the I slice, determining that the IBC mode is impossible for the block in the I slice;

in response to determining the IBC mode being impossible for the block in the I slice, determining that a flag indicating whether a skip mode is applied on the block is not signaled in the coded video bitstream, and inferring the flag being 0 which indicates that the skip mode is not applied to the block;

in response to determining the IBC mode being possible for the block in the I slice, decoding, by the processor, a flag that indicates whether a skip mode is applied on the block from the coded video bitstream; and

reconstructing, by the processor, the block at least partially based on the flag.

2. The method of claim 1, further comprising:

determining that the IBC mode is impossible for the block in the I slice in response to at least one of a width of the block and a height of the block being larger than the threshold.

3. The method of claim 1, further comprising:

determining an existence of the flag in the coded video bitstream based on an added condition that compares the size of the block with the threshold, the added condition excluding the existence of the flag in response to the size of the block in the I slice being larger than the threshold.

4. The method of claim 1, further comprising:

determining an existence of the flag in the coded video bitstream based on an existing condition that is modified to compare the size of the block with the threshold.

5. The method of claim 4, wherein the existing condition determines whether the block is an inter coded block.

6. The method of claim 4, wherein the existing condition determines whether the IBC mode is enabled.

7. An apparatus for video decoding, comprising

processing circuitry configured to:

decode, prediction information for a block in an I slice from a coded video bitstream;

determine, whether an intra block copy (IBC) mode is possible for the block in the I slice based on the prediction information and a size restriction of the IBC mode;

wherein in response to any one of: (i) a slice type parameter indicating the I slice and a size of the current block being greater than a threshold, and (ii) a current mode type parameter is set to MODE_TYPE_INTRA which indicates that only intra prediction mode is possible for the block in the I slice, the processing circuitry determines that the IBC mode is impossible for the block in the I slice;

in response to determining the IBC mode being impossible for the block in the I slice, determine that a flag indicating whether a skip mode is applied on the block is not signaled in the coded video bitstream, and infer the flag being 0 which indicates that the skip mode is not applied to the block;

in response to determining the IBC mode being possible for the block in the I slice, decode a flag that indicates whether a skip mode is applied on the block from the coded video bitstream; and

reconstruct the block at least partially based on the flag.

8. The apparatus of claim 7, wherein the processing circuitry is configured to:

determine that the IBC mode is impossible for the block in the I slice in response to at least one of a width of the block and a height of the block being larger than the threshold.

9. The apparatus of claim 7, wherein the processing circuitry is configured to:

determine an existence of the flag in the coded video bitstream based on an added condition that compares the size of the block with the threshold, the added condition excluding the existence of the flag in response to the size of the block in the I slice being larger than the threshold.

10. The apparatus of claim 7, wherein the processing circuitry is configured to:

determine an existence of the flag in the coded video bitstream based on an existing condition that is modified to base on a comparison of the size and the threshold.

11. The apparatus of claim 10, wherein the existing condition determines whether the block is an inter coded block.

12. The apparatus of claim 10, wherein the existing condition determines whether the IBC mode is enabled.

13. A non-transitory computer-readable medium storing instructions which when executed by a computer for video decoding cause the computer to perform:

decoding prediction information for a block in an I slice from a coded video bitstream;

determining, whether an intra block copy (IBC) mode is possible for the block in the I slice based on the prediction information and a size restriction of the IBC mode;

wherein in response to any one of: (i) a slice type parameter indicating the I slice and a size of the current block being greater than a threshold, and (ii) a current mode type parameter is set to MODE_TYPE_INTRA to which indicates that only an intra prediction mode is possible for the block in the I slice, determining that the IBC mode is impossible for the block in the I slice;

in response to determining the IBC mode being impossible for the block in the I slice, determining that a flag indicating whether a skip mode is applied on the block is not signaled in the coded video bitstream, and inferring the flag being 0 which indicates that the skip mode is not applied to the block;

in response to determining the IBC mode being possible for the block in the I slice, decoding a flag that indicates whether a skip mode is applied on the block from the coded video bitstream; and

reconstructing the block at least partially based on the flag.

14. The non-transitory computer-readable medium of claim 13, wherein the instructions cause the computer to perform:

determining that the IBC mode is impossible for the block in the I slice in response to at least one of a width of the block and a height of the block being larger than the threshold.