CLAIMS

1. A video decoding method comprising:

obtaining, from a bitstream, information about an intra prediction mode of a top-left sample in a current chroma block;

obtaining an intra prediction mode of a sample at a bottom-right location in a current luma block corresponding to the current chroma block, wherein the current luma block is split into at least two lower luma blocks including a lower luma block comprising the sample at the bottom-right location;

determining an intra prediction mode of the top-left sample of the current chroma block using the intra prediction mode of the sample at the bottom-right location and the information; and

performing intra prediction on the current chroma block using the intra prediction mode of the top-left sample of the current chroma block,

wherein the sample at the bottom-right location is a sample at a location of 1/2 of a width of the current luma block in a right direction from a location of a top-left sample in the current luma block and 1/2 of a height of the current luma block in a lower direction from the location of the top-left sample in the current luma block.