CLAIMS

1. A prediction method for an image block, wherein a current block comprising a first prediction sub-block and a second prediction sub-block, the prediction method comprising:

parsing (S1503) a first index from a bitstream, wherein the first index is used to obtain prediction information of the first prediction sub-block;

parsing (S1504) a second index from the bitstream;

comparing (S1505) the first index with the second index;

adjusting (S1506B) the second index in the event that the second index is equal to or greater than the first index; and

obtaining (S1506B) prediction information of the second prediction sub-block according to the adjusted second index;

wherein the first index or the second index is binarized according to a truncated unary code;

wherein adjusting the second index comprising incrementing the second index by one.

2. The prediction method of claim 1, wherein before parsing a first index from a bitstream, the prediction method further comprising:

parsing at least one indicator to determine a prediction mode of the current block, wherein the prediction mode is a triangle prediction mode or a geometric prediction mode.

3. The prediction method of any one of claims 1-2, wherein the prediction method further comprising:

obtaining a candidate list for the current block.

4. The prediction method of claim 3, wherein the prediction information of the first prediction sub-block is obtained from the candidate list according to the first index.

5. The prediction method of claim 3 or 4, wherein the prediction information of the second prediction sub-block is obtained from the candidate list according to the adjusted second index.

6. The prediction method of any one of claims 3-5, wherein the candidate list is a candidate list of Merge Mode.

7. The prediction method of claim 6, wherein the prediction method further comprising:

parsing a first number to determine a maximum allowed candidate index in the candidate list; and

obtaining a maximum index based on the maximum allowed candidate index, wherein the first index is not greater than the maximum index.

8. The prediction method of claim 7, wherein obtaining the maximum index based on the maximum allowed candidate index, comprising:

parsing a second number to derive a difference between the maximum allowed candidate index and the maximum index; and

obtaining the maximum index by a calculation between the maximum allowed candidate index and the difference.

9. The prediction method of any one of claims 1-6, wherein the prediction method further comprising:

parsing a third number to determine the maximum index.

10. The prediction method of any one of claims 1-9, wherein the maximum allowed candidate index is not less than the maximum index.

11. The prediction method of any one of claims 1-10, wherein after obtaining prediction information of the second prediction sub-block according to the adjusted second index, the prediction method further comprising:

obtaining a prediction value of the current block based one the prediction information of the first prediction sub-block and the prediction information of the second prediction sub-block.

12. The prediction method of any one of claims 1-11, wherein a first bin of the binarized first index or second index is coded using regular coding mode of CABAC.

13. The prediction method of any one of claim 1 to 12, wherein a non-first bin of the binarized first index or second index is coded using bypass coding mode of CABAC.

14. An apparatus (1700) for inter prediction, wherein a current block comprising a first prediction sub-block and a second prediction sub-block, the apparatus comprising:

a parsing module (1701), configured to parse a first index from a bitstream, wherein the first index is used to obtain prediction information of the first prediction sub-block; and

parse a second index from the bitstream;

a locating module (1702), configured to compare the first index with the second index; and

adjust the second index in the event that the second index is equal to or greater than the

first index; and

an obtaining module (1703), configured to obtain prediction information of the second prediction sub-block according to the adjusted second index;

wherein the first index or the second index is binarized according to a truncated unary code;

wherein the locating module is configured to:

increment the second index by one.

15. The apparatus of claim 14, wherein before parsing a first index from a bitstream, the parsing module is further configured to:

parse at least one indicator to determine a prediction mode of the current block, wherein the prediction mode is a triangle prediction mode or a geometric prediction mode.

16. The apparatus of any one of claims 14-15, wherein the locating module is further configured to:

obtain a candidate list for the current block.

17. The apparatus of claim 16, wherein the prediction information of the first prediction sub-block is obtained from the candidate list according to the first index.

18. The apparatus of claim 16 or 17, wherein the prediction information of the second prediction sub-block is obtained from the candidate list according to the adjusted second index.

19. The apparatus of any one of claims 16-18, wherein the candidate list is a candidate list of Merge Mode.

20. A computer program product comprising program code for performing the method according to any one of the claims 1 to 13 when executed on a computer or a processor.