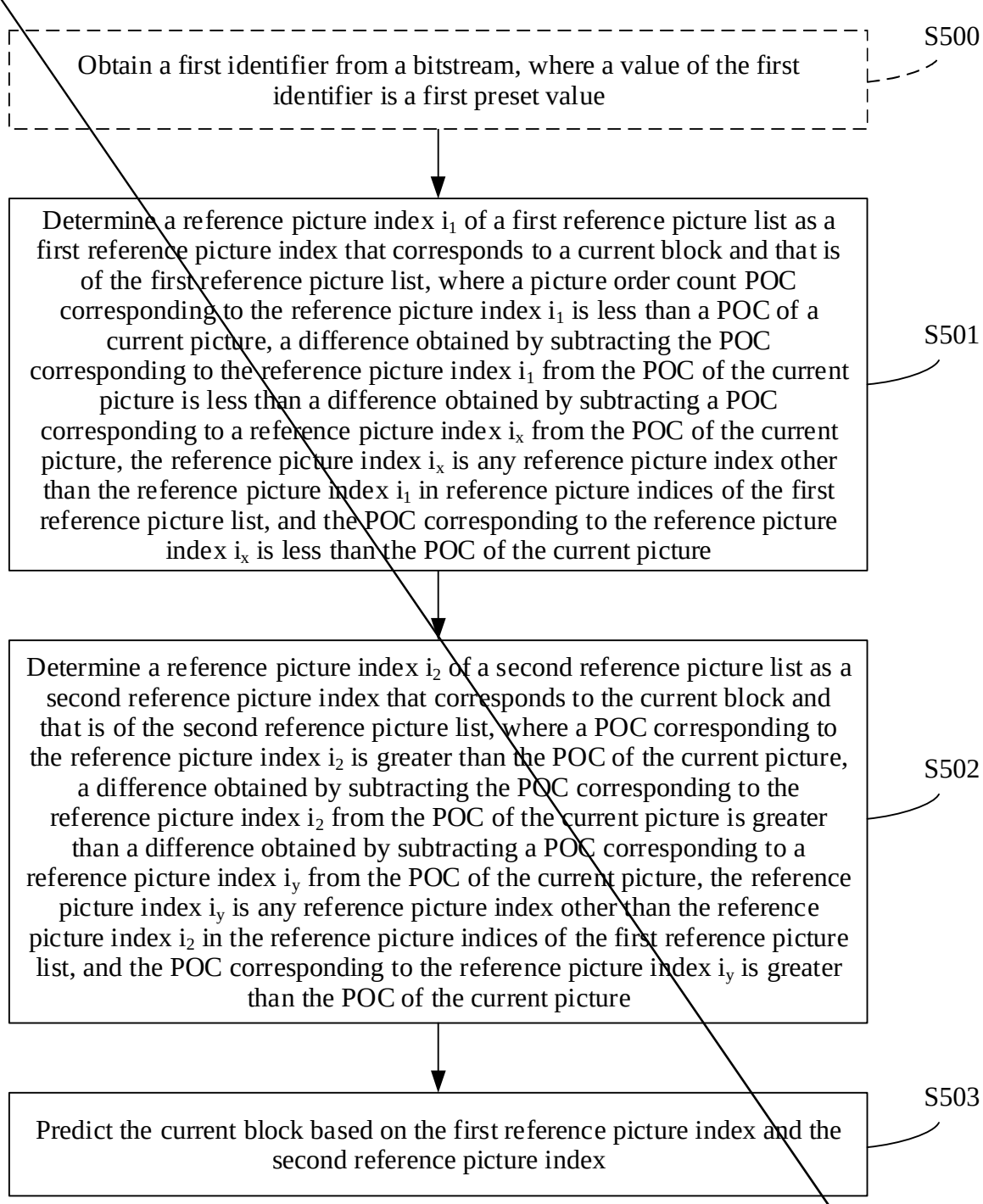

S500
Obtain a first identifier from a bitstream, where a value of the first identifier is a first preset value
S501
Determine a reference picture index i_1 of a first reference picture list as a first reference picture index that corresponds to a current block and that is of the first reference picture list, where a picture order count POC corresponding to the reference picture index i_1 is less than a POC of a current picture, a difference obtained by subtracting the POC corresponding to the reference picture index i_1 from the POC of the current picture is less than a difference obtained by subtracting a POC corresponding to a reference picture index i_x from the POC of the current picture, the reference picture index i_x is any reference picture index other than the reference picture index i_1 in reference picture indices of the first reference picture list, and the POC corresponding to the reference picture index i_x is less than the POC of the current picture
S502
Determine a reference picture index i_2 of a second reference picture list as a second reference picture index that corresponds to the current block and that is of the second reference picture list, where a POC corresponding to the reference picture index i_2 is greater than the POC of the current picture, a difference obtained by subtracting the POC corresponding to the reference picture index i_2 from the POC of the current picture is greater than a difference obtained by subtracting a POC corresponding to a reference picture index i_y from the POC of the current picture, the reference picture index i_y is any reference picture index other than the reference picture index i_2 in the reference picture indices of the first reference picture list, and the POC corresponding to the reference picture index i_y is greater than the POC of the current picture
S503
Predict the current block based on the first reference picture index and the second reference picture index

FIG. 5A

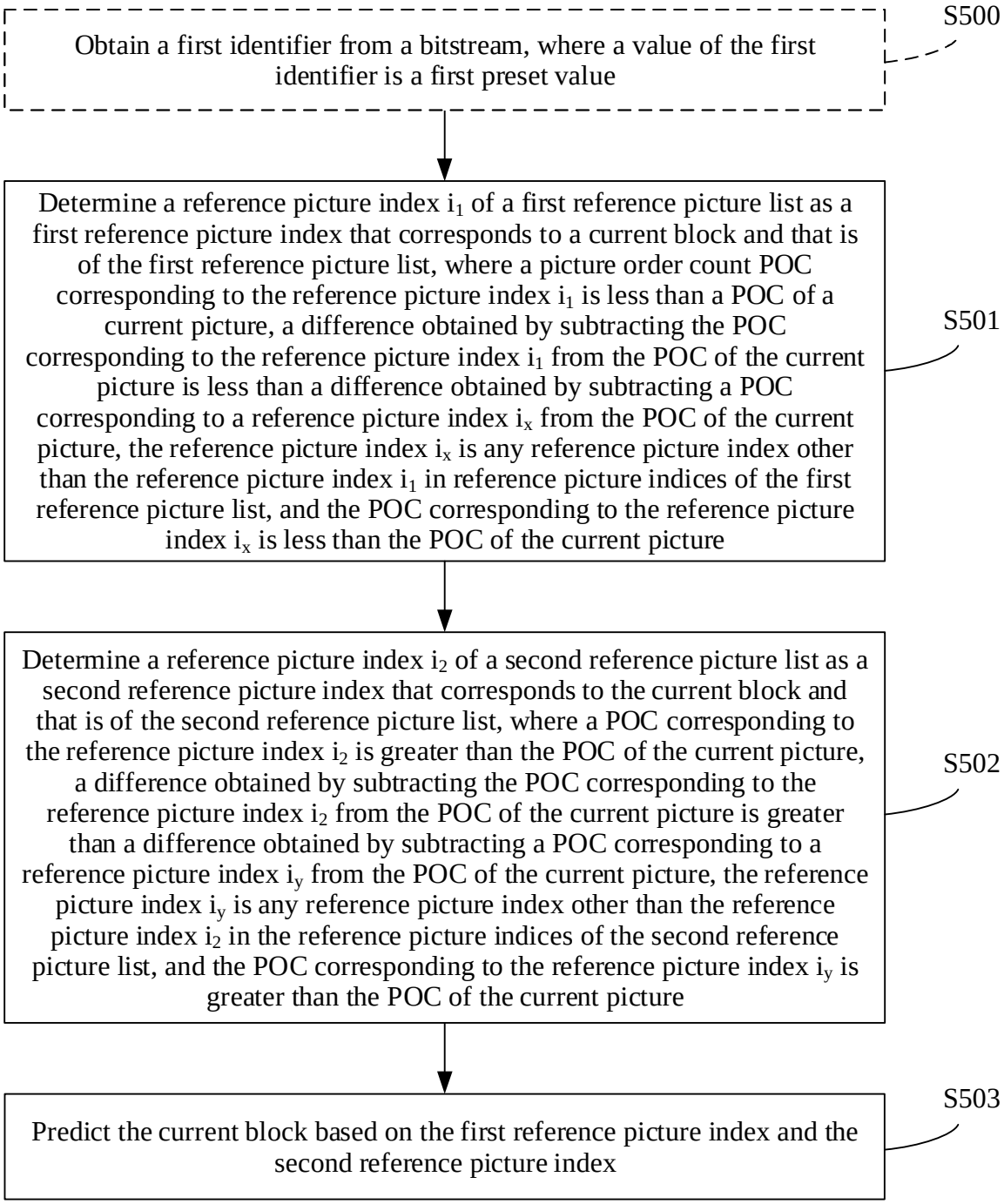

Obtain a first identifier from a bitstream, where a value of the first identifier is a first preset value
S500
Determine a reference picture index i_1 of a first reference picture list as a first reference picture index that corresponds to a current block and that is of the first reference picture list, where a picture order count POC corresponding to the reference picture index i_1 is less than a POC of a current picture, a difference obtained by subtracting the POC corresponding to the reference picture index i_1 from the POC of the current picture is less than a difference obtained by subtracting a POC corresponding to a reference picture index i_x from the POC of the current picture, the reference picture index i_x is any reference picture index other than the reference picture index i_1 in reference picture indices of the first reference picture list, and the POC corresponding to the reference picture index i_x is less than the POC of the current picture
S501
Determine a reference picture index i_2 of a second reference picture list as a second reference picture index that corresponds to the current block and that is of the second reference picture list, where a POC corresponding to the reference picture index i_2 is greater than the POC of the current picture, a difference obtained by subtracting the POC corresponding to the reference picture index i_2 from the POC of the current picture is greater than a difference obtained by subtracting a POC corresponding to a reference picture index i_y from the POC of the current picture, the reference picture index i_y is any reference picture index other than the reference picture index i_2 in the reference picture indices of the second reference picture list, and the POC corresponding to the reference picture index i_y is greater than the POC of the current picture
S502
Predict the current block based on the first reference picture index and the second reference picture index
S503

FIG. 5A