CLAIMS

1. A method for implementing data mapping and transmission, comprising:

segmenting data to be transmitted into N code blocks, and dividing the N code blocks into M code block groups (CBGs), wherein a difference between numbers of code blocks in any two CBGs is less than or equal to a preset value, N and M are positive integers, N is greater than or equal to M, and M is greater than or equal to 2; and

mapping the M CBGs to at least one transmission unit for bearing and transmission,

wherein the M CBGs comprise a first CBG and a second CBG, and a number of code blocks in the first CBG is greater than a number of code blocks in the second CBG; and

wherein the at least one transmission unit comprises a first physical resource corresponding to the first CBG and a second physical resource corresponding to the second CBG, and the first physical resource is ahead of the second physical resource in time domain.

2. The method of claim 1, wherein the preset value is 1.

3. A method for implementing data mapping and transmission, comprising:

receiving M code block groups (CBGs) mapped to at least one transmission unit, wherein the M CBGs are obtained by dividing N code blocks, the N code blocks are obtained by segmenting data to be transmitted, a difference between numbers of code blocks in any two CBGs is less than or equal to a preset value, the M CBGs comprise a first CBG and a second CBG, and a number of code blocks in the first CBG is greater than a number of code blocks in the second CBG; the at least one transmission unit comprises a first physical resource corresponding to the first CBG and a second physical resource corresponding to the second CBG, and the first physical resource is ahead of the second physical resource in time domain, N and M are positive integers, N is greater than or equal to M, and M is greater than or equal to 2; and

decoding each of the M CBGs after the respective CBG is received.

4. The method of claim 3, wherein the preset value is 1.

5. A device for implementing data mapping and transmission, applied to a sender, comprising a segmenting unit and a transmitting unit, wherein

the segmenting unit is configured to segment data to be transmitted into N code blocks, and divide the N code blocks into M code block groups (CBGs), wherein a difference between numbers of code blocks in any two CBGs is less than or equal to a preset value, N and M are positive integers, N is greater than or equal to M, and M is greater than or equal to 2; and

the transmitting unit is configured to map the M CBGs to at least one transmission unit for bearing and transmission,

wherein the M CBGs comprise a first CBG and a second CBG, and a number of code blocks in the first CBG is greater than a number of code blocks in the second CBG; the at least one transmission unit comprises a first physical resource corresponding to the first CBG and a second physical resource corresponding to the second CBG, and the first physical resource is ahead of the second physical resource in time domain.

6. The device of claim 5, wherein the preset value is 1.

7. A device for implementing data mapping and transmission, applied to a receiver, comprising a receiving unit and a decoding unit, wherein

the receiving unit is configured to receive M code block groups (CBGs) mapped to at least one transmission unit, wherein the M CBGs is obtained by dividing N code blocks, the N code blocks is obtained by segmenting data to be transmitted, a difference between numbers of code blocks in any two CBGs is less than or equal to a preset value, the M CBGs comprise a first CBG and a second CBG, and a number of code blocks in the first CBG is greater than a number of code blocks in the second CBG; the at least one transmission unit comprises a first physical resource corresponding to the first CBG and a second physical resource corresponding to the second CBG, the first physical resource is ahead of the second physical resource in time domain, N and M are positive integers, N is greater than or equal to M, and M is

greater than or equal to 2; and

the decoding unit is configured to decode each of the M CBGs after the respective CBG is received.

8. The device of claim 7, wherein the preset value is 1.