1. Take side B vertical rebars.
2. Divide into two lists
3. Focus on the left lest
4. Predefine a pattern: patt of 3 = [ [000], [0], [000], [0], …n], patt of 2 = [ [00], [00], [00], …n]
5. Slice left list into sub lists in a pattern (e.g. for spacing <= 150 will be sliced in patt. 3)
6. Determine an END and REMAINING according to patt. number sub list length,  
   i.e.: patt. 3 [ [000], [0], [00**0**], [**0**]] end = red, remaining = blue = 1  
    [ [000], [0], [00**0**], [**00**]] end = red, remaining = blue = 2  
    [ [000], [0], [000], [00**0**]] end = red, remaining = blue = 0
7. Apply same conditions to the Right list, then merge both lists into one list.
8. Get similar rebars from the opposite list (\_B), then merge all related rebars of a link together.
9. Produce curves from the final sub lists.

**SPACING <= 150**

if end remain 3:

ODD/EVEN keep divide into 3 - left [-1, -2]

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if end remain 2:

ODD/EVEN keep divide into 3 - [left [-1], right [-1]]

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if end remain 1:

EVEN keep divide into 3, remove last , [-3, -4] - [left [-1], right [-1]]

ODD keep divide into 3 - [middle]

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if end remain 0:

ODD/EVEN keep divide into 3

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**SPACING > 150**

if end remain 0:

ODD/EVEN keep divide into 2

ODD add MIDDLE

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if end remain 1:

EVEN keep divide into 2 - [left [-1], right [-1]]

ODD keep divide into 2 - [left [-1], right [-1]] [middle]

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