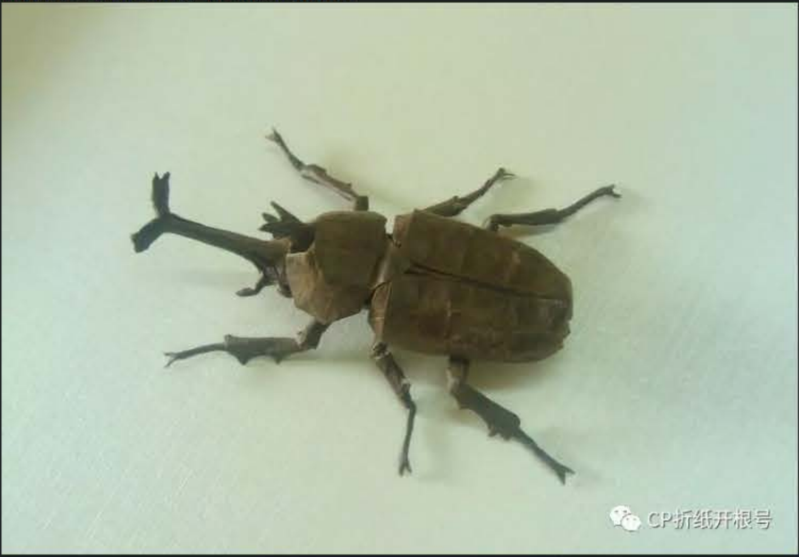
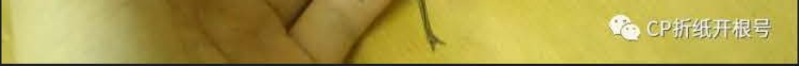
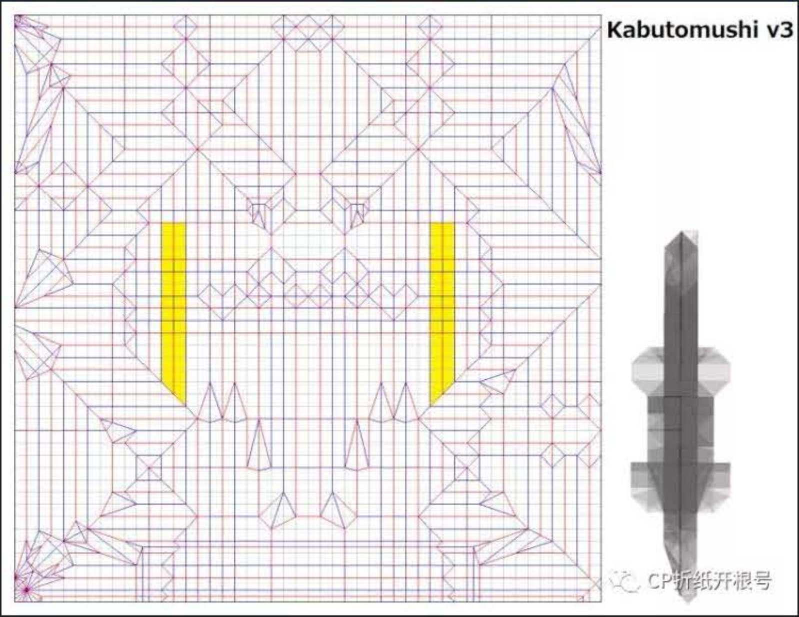
CP interpretation of KABUTOMUSHI beetle

Original Origami Student Takayama CP Origami Opening Number 2018-01-22

When I shared this document with everyone, it should be late January. I wanted to be a cicada CP, but some people said that they should start with a relatively simple but characteristic CP, so I chose this beetle as the first The beginning of the insect category. First let's analyze this picture together!

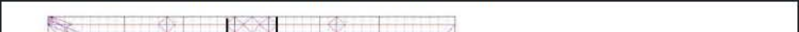


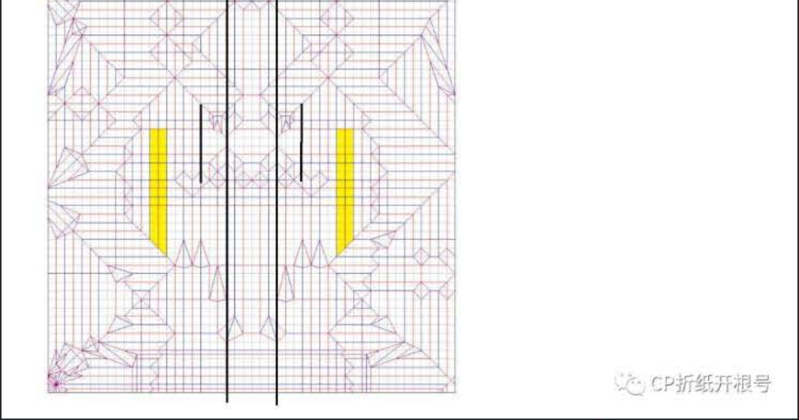




As shown in the figure above, the 48 * 48 equally divided square drawing CP is also an asymmetrical central axis figure. If you look closely at the left and right, you will find that in addition to the four corners, the left and right middle edges are also significantly different, that is If we choose the left side, we need to fold the right side and the left side correspondingly, or use the right side folding method. !! !! !!

For any CP, I generally advocate a sequence. For example, in this picture, we can go from top to bottom from left to right or from the middle to both sides, from both sides to the center, etc. It all depends on personal preference!





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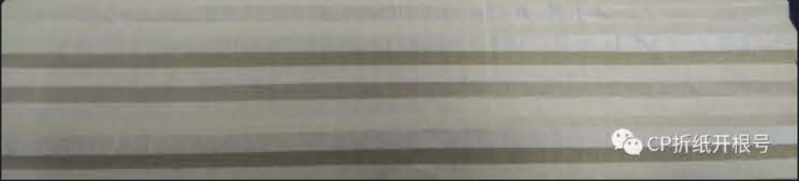
However, my personal preference is to fold from the middle. Usually I will do a simple analysis of the grids that can be seen in the picture. Generally, I understand what each part represents. Of course, you need to fold some works to fold the CP. The law can be more or less understood. For example, in the above picture, it is easy to find that the width of the vertical line I draw exactly corresponds to the 3-6-3 grid in the middle and upper part, which is the 12 grids with symmetrical center. Place, so we start folding here.

So we analyze while folding.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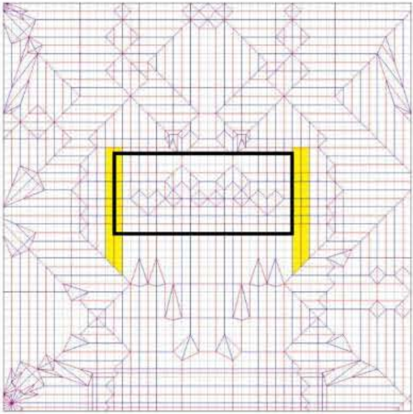
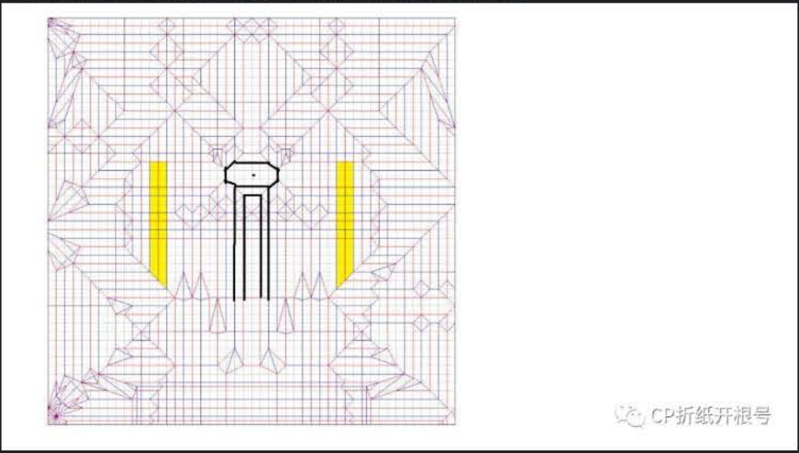
Then the first step is to divide the paper into grids, then wire, and then start aggregation according to the analysis.

Next we continue to fold!



The Cp of insects mostly have the above structure. This is a unique lattice conversion method between the head and neck of the beetle, usually three to one, four to two or four to one, etc. Here, the typical three is used. Turn one.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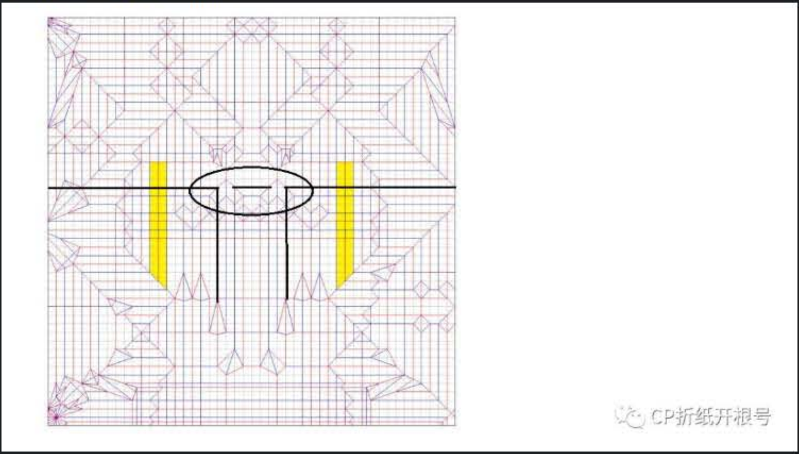
In the process of aggregation, our minds must always be clear. The above hexagons are a very important foundation.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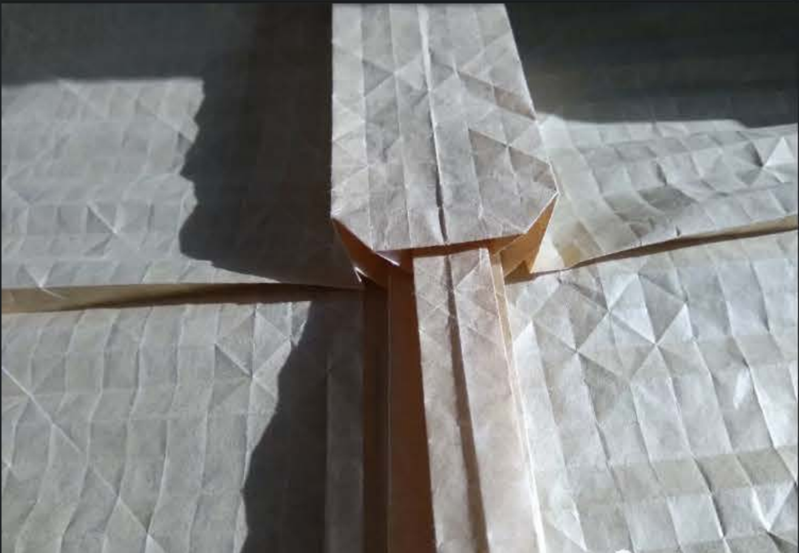
To maintain this hexagon, you must borrow those "diamond" shapes to convert them well. The conversion methods of this diamond shape are generally the same. At present, I have only folded four different types of related shapes. This time, the beetle conversion method is also a very authentic method. Let's take a look at the aggregate real shot.



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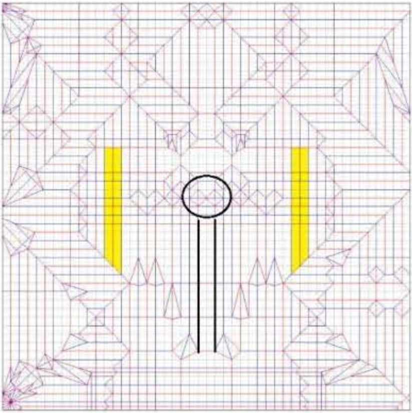
After finishing the diamond shape, continue to fold down.



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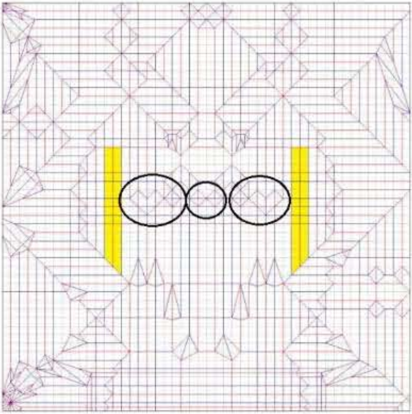

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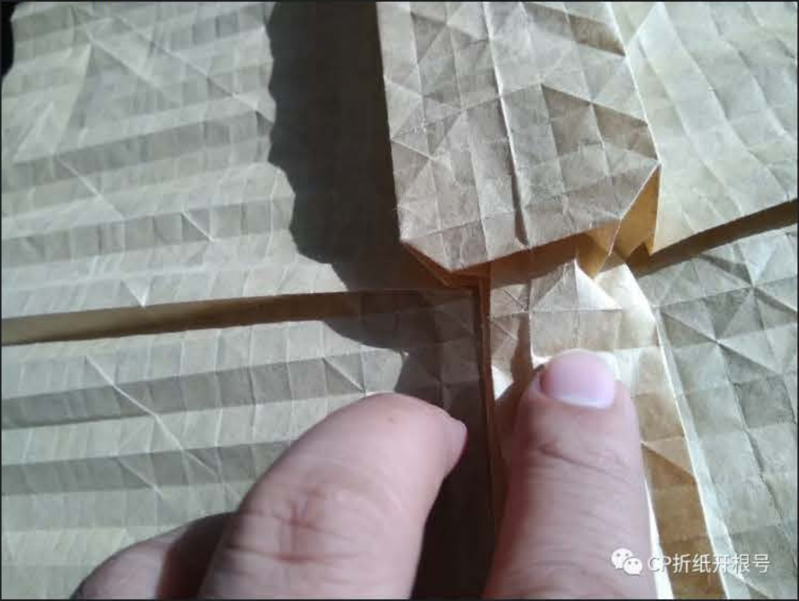
Now we aggregate all the associated graphs. This step is very important and a key step for CP to turn.



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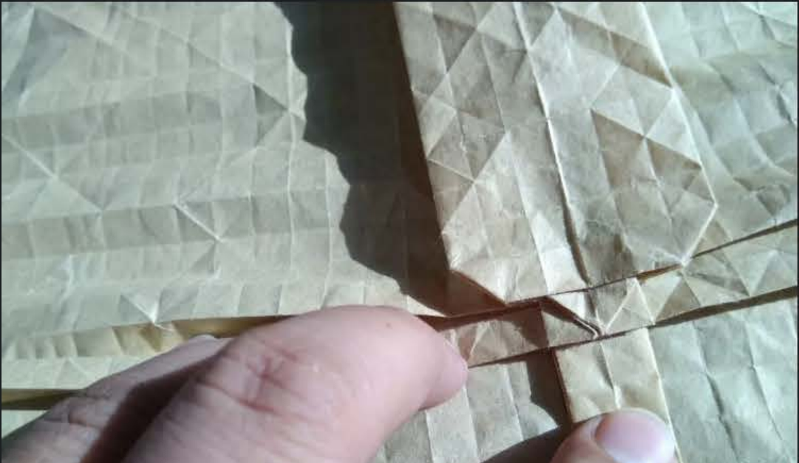

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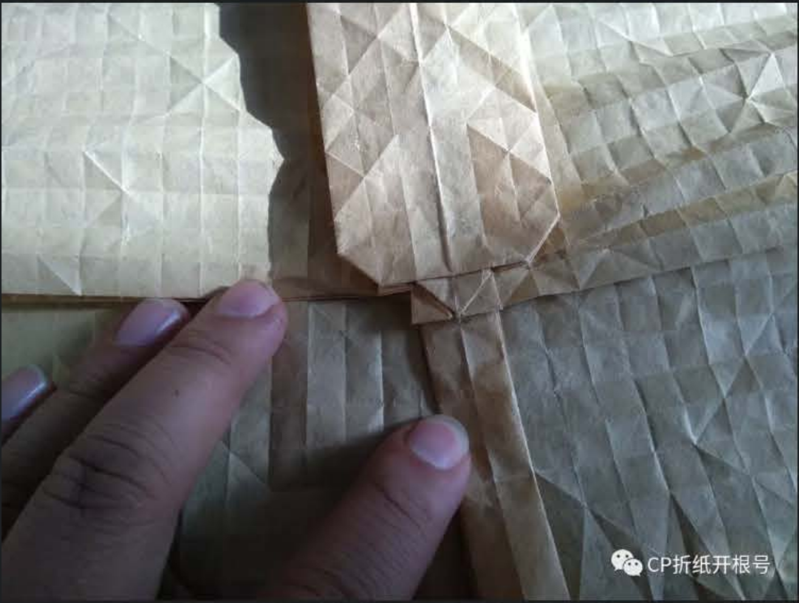

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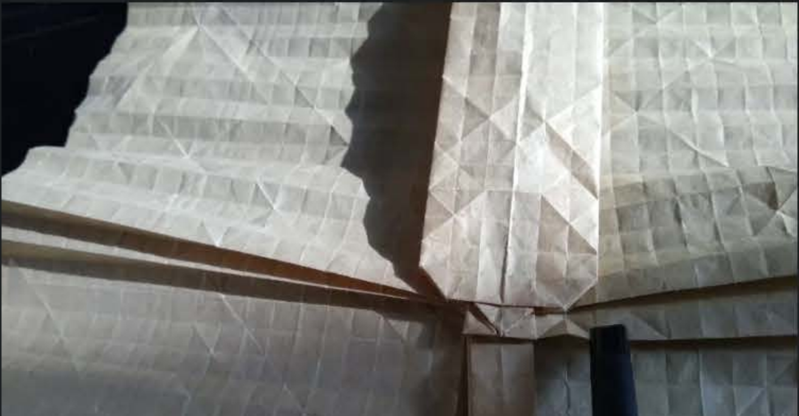

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Here is the decomposition step, which is basically taken according to the way of folding, but of course it seems a bit slower.

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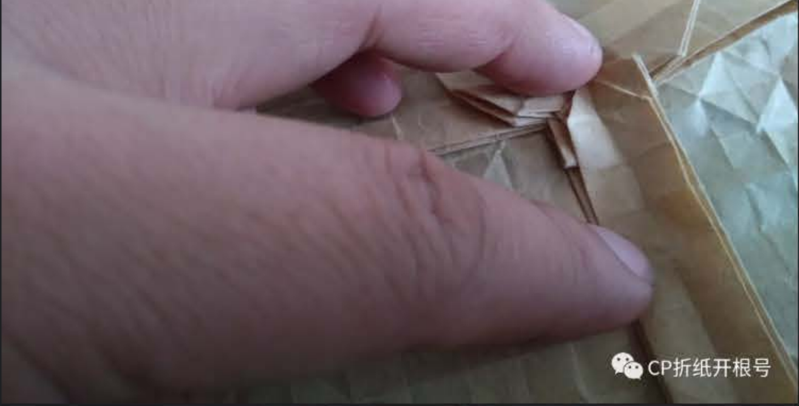

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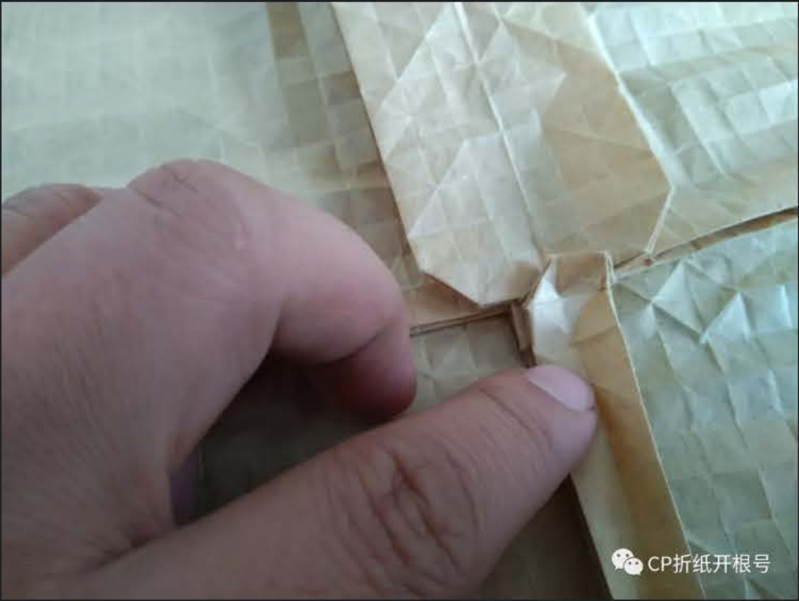

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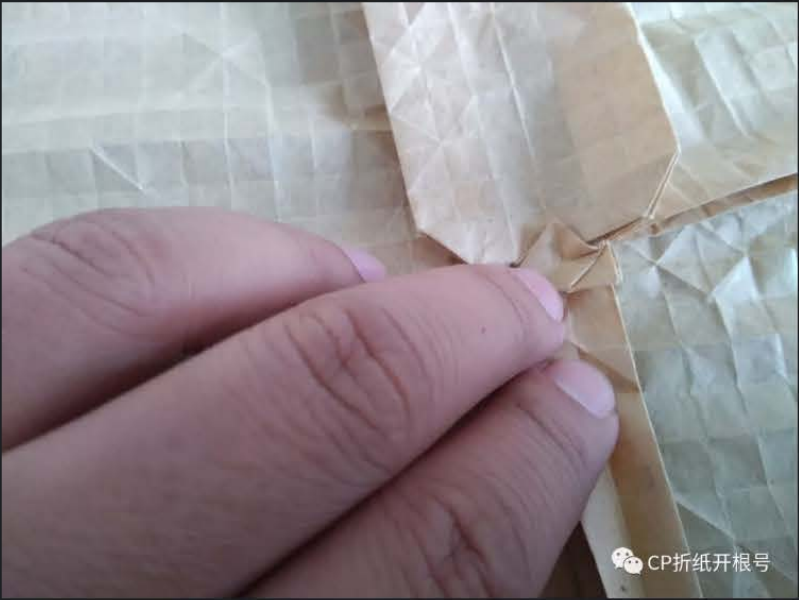

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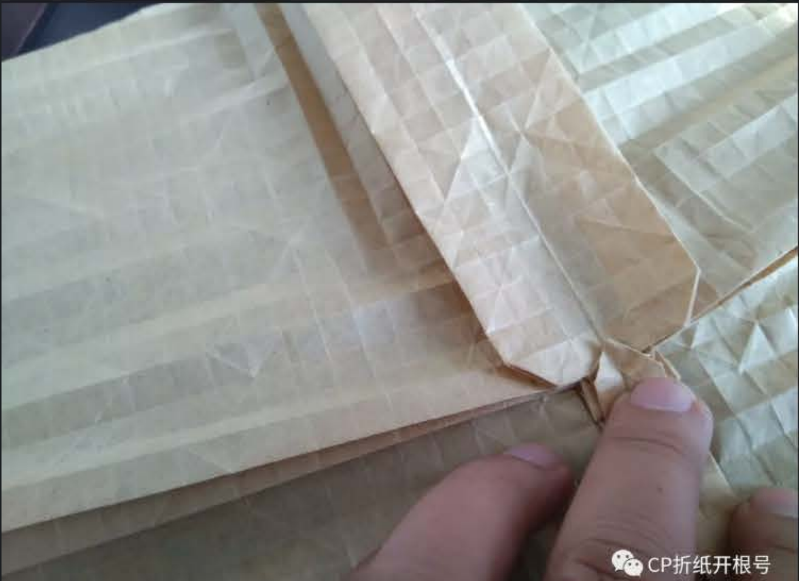

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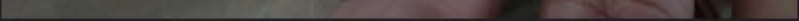
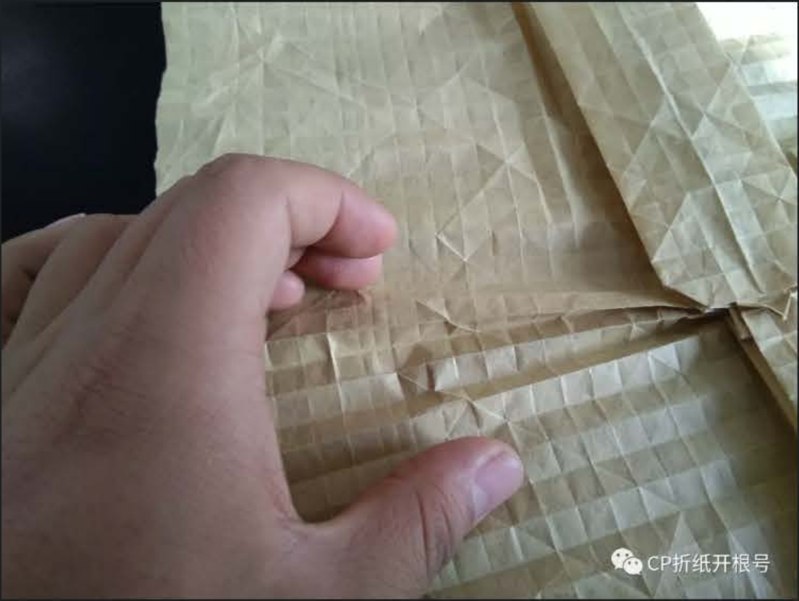
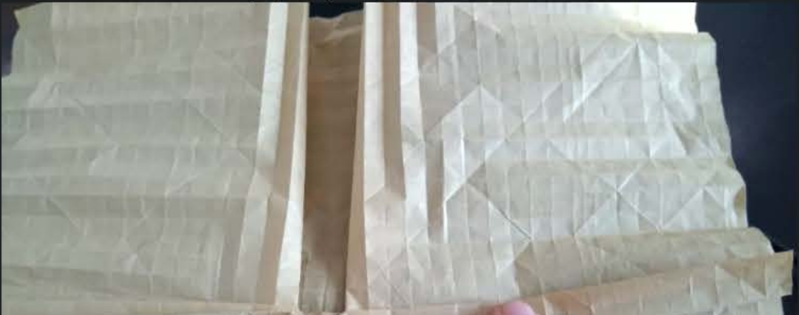
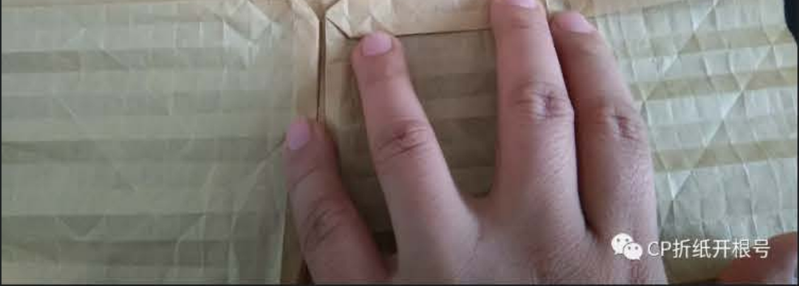




Here we take a look at the paper layer to avoid mistakes.

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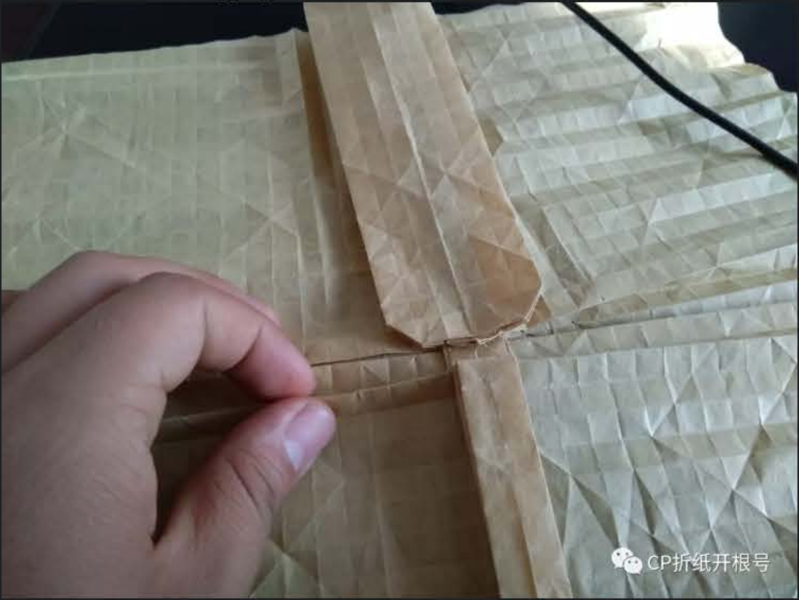
The picture above shows the situation gathered on this back.
Below we continue to aggregate.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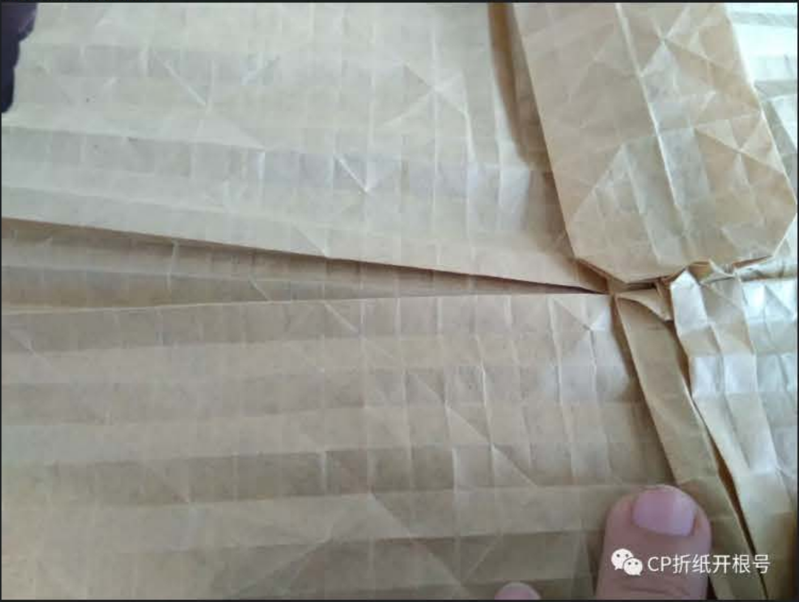
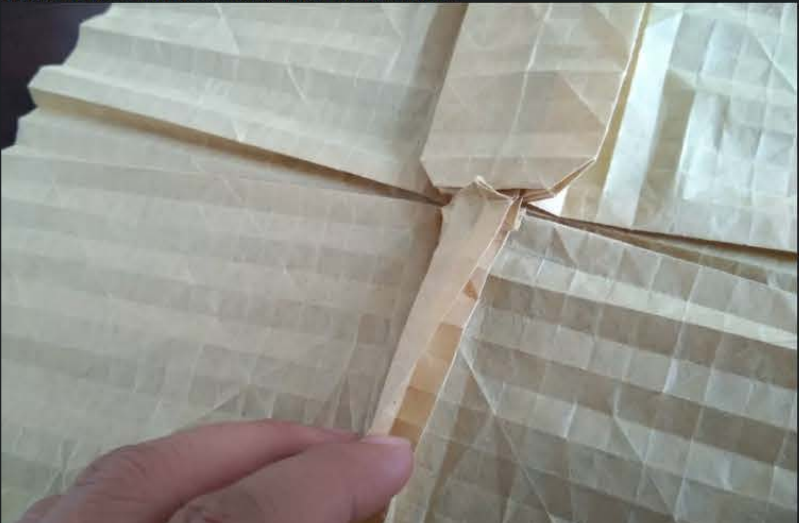
The picture above shows that we adjusted the paper layer according to CP. Two levels above and below.



In the figure above, we have pulled out a layer from the middle layers of paper to make the CP have continuous valley lines in the middle.



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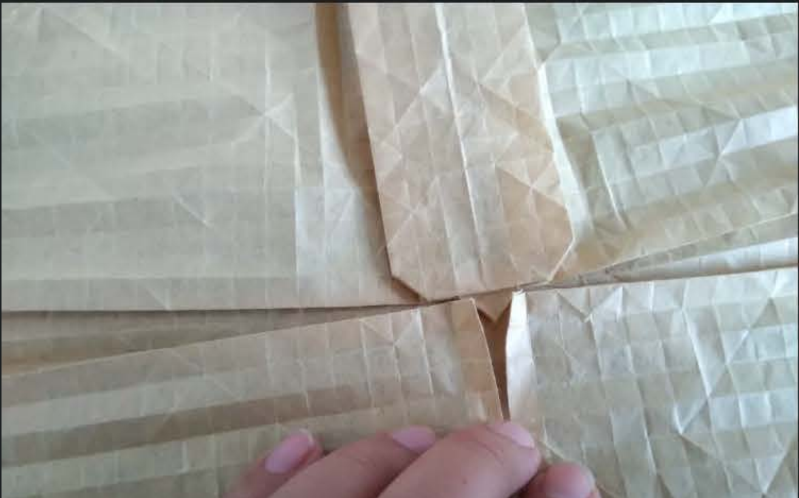

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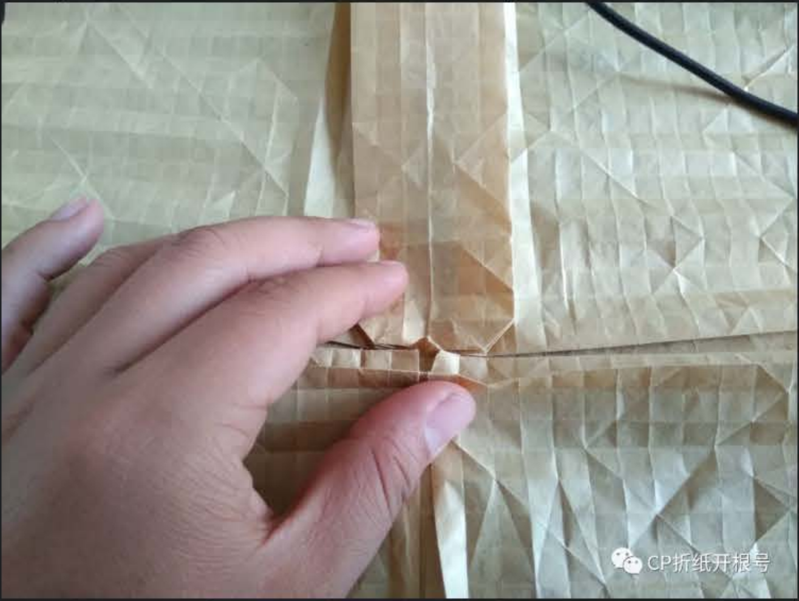
Above, so far we have folded the two consecutive valley lines in the middle.



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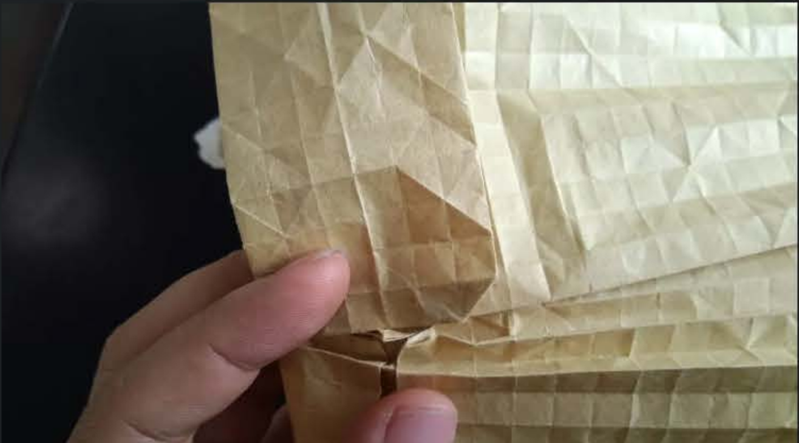

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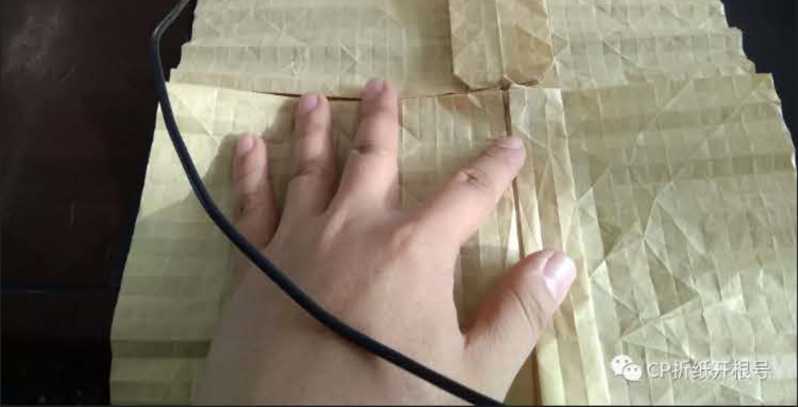

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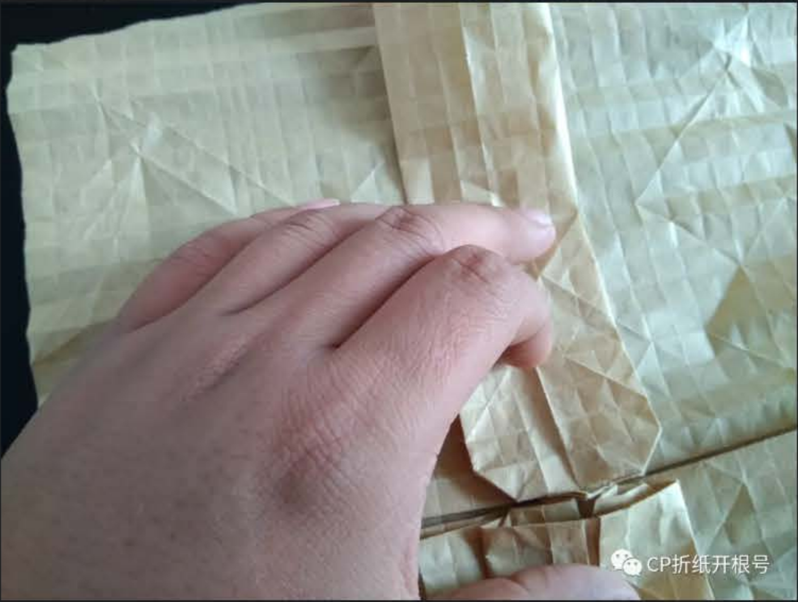

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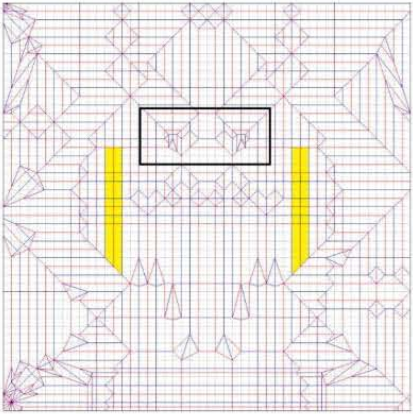
Above, we adjusted the paper layer to correspond to the horizontal peak and valley lines in CP. Continue to fold CP



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The above is the front end of the head, which is the part where the upper part of the hexagon is connected to the mouthpiece and the corner.

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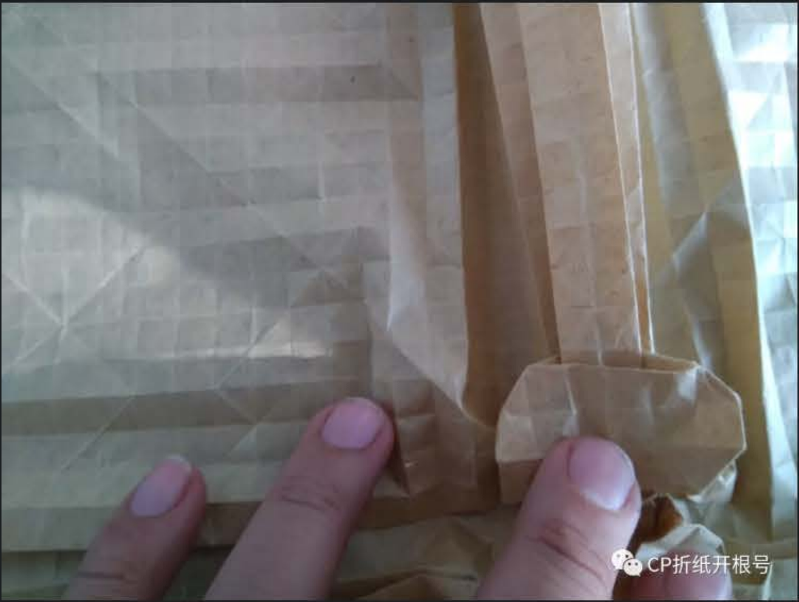

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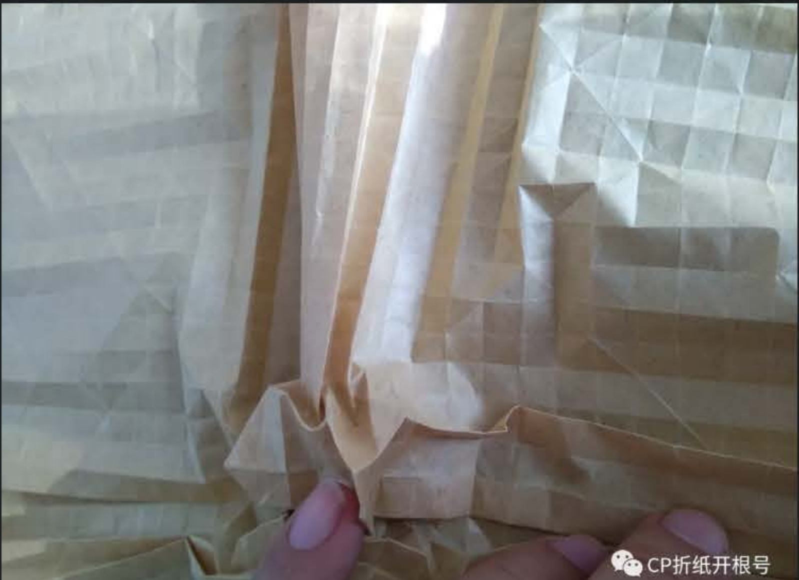

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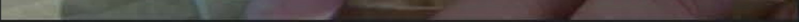

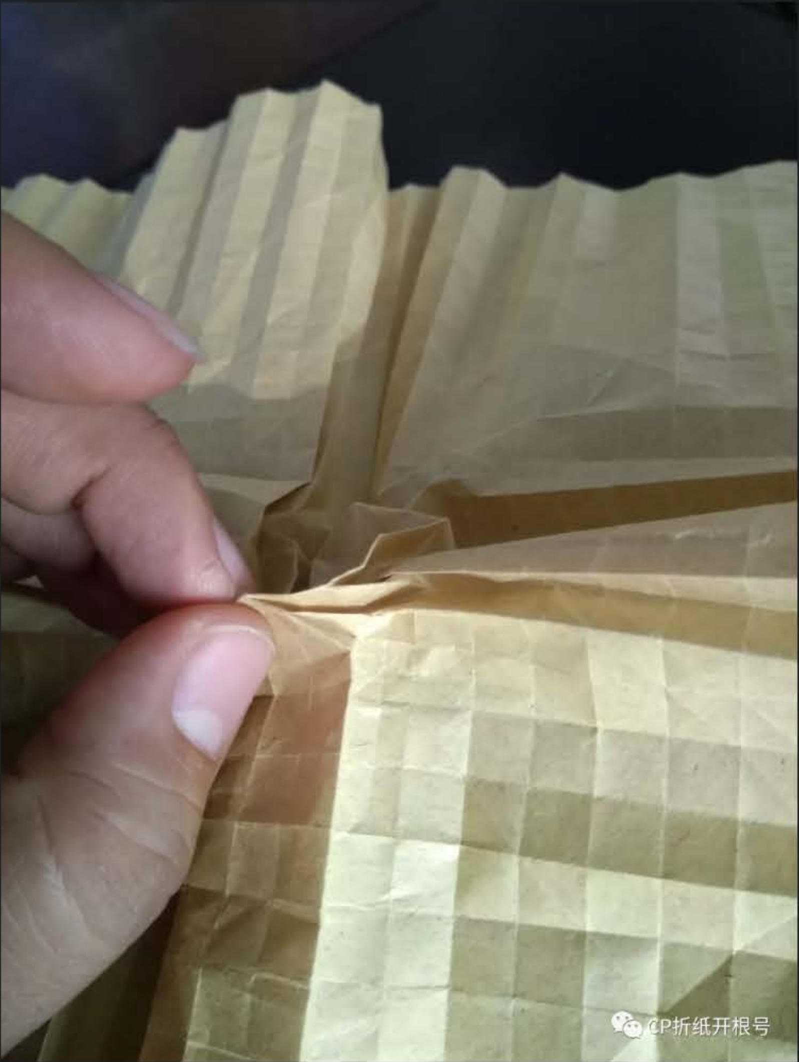

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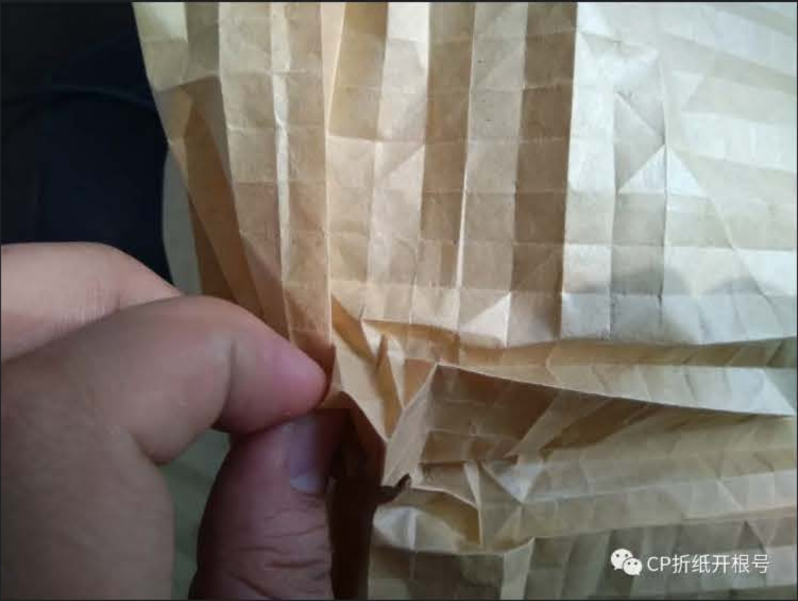

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In fact, the method is simple, but many people will pay attention to the short line here, but you can take a closer look at the real shot and the peak and valley line of the CP. As long as you first grasp the long line and then aggregate each graph and graph, you will find that it is still very regular In the future, I will actually shoot some difficult CP characters without peaks and valleys, and then I will explain specifically how to analyze the interlaced short lines.

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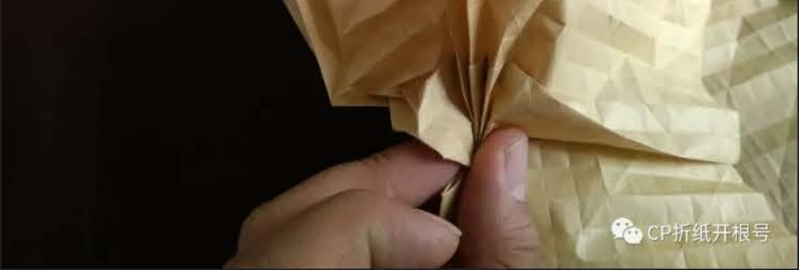

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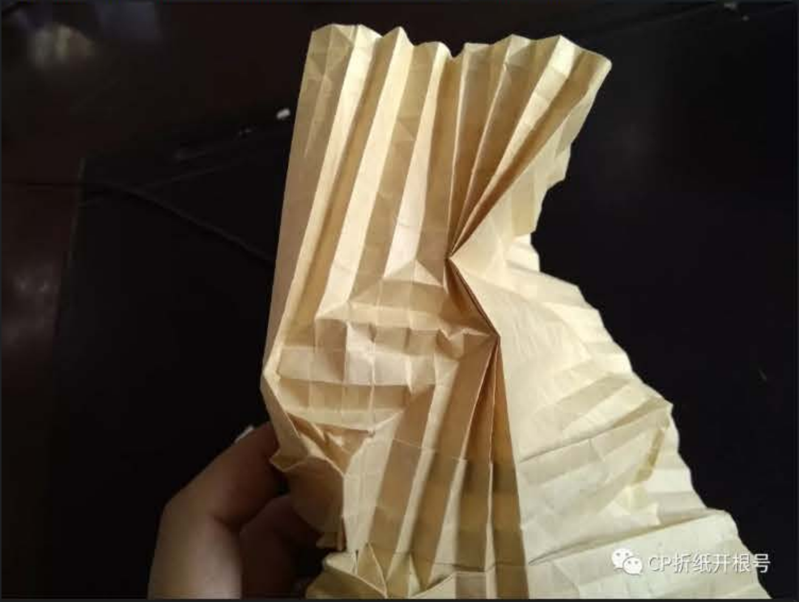
The above two are taken from the side to see how to close it.



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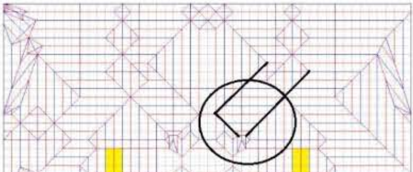

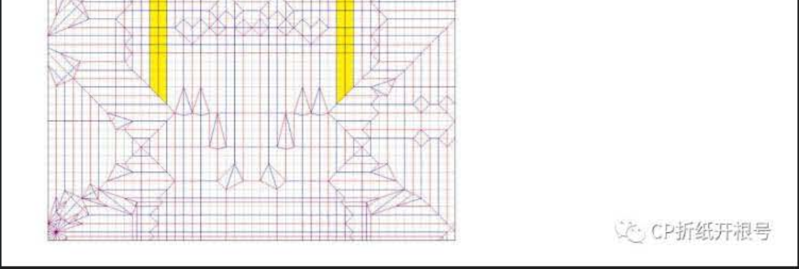
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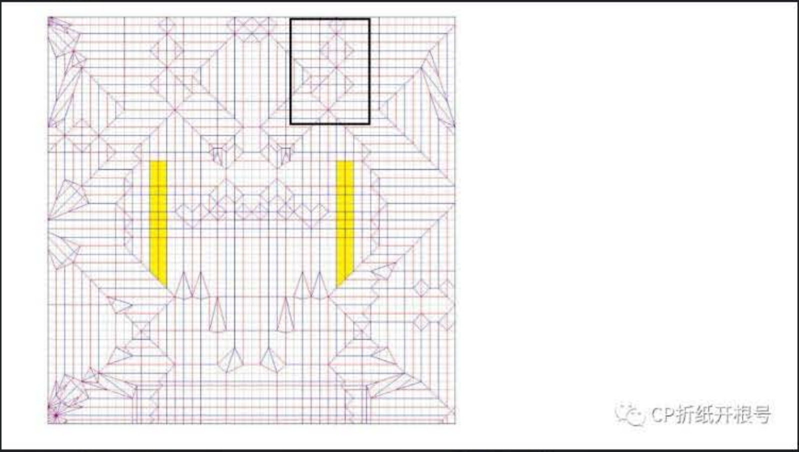
The above two are corresponding. The noteworthy adjustment of the paper layer here. In fact, I am used to adjusting the paper layer directly from the middle as the polymerization is directly pressed, and some people are used to superimposing the peaks and valleys and then adjusting them sequentially, but the essence There is no difference.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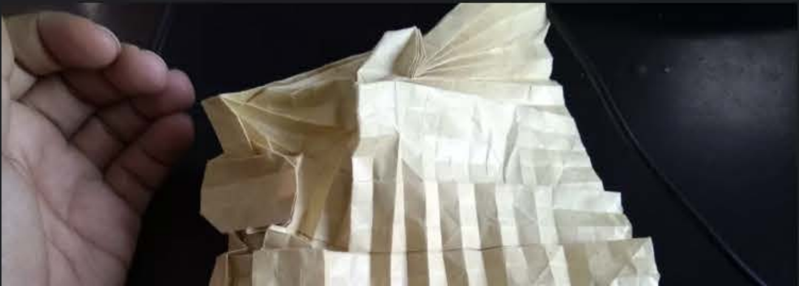

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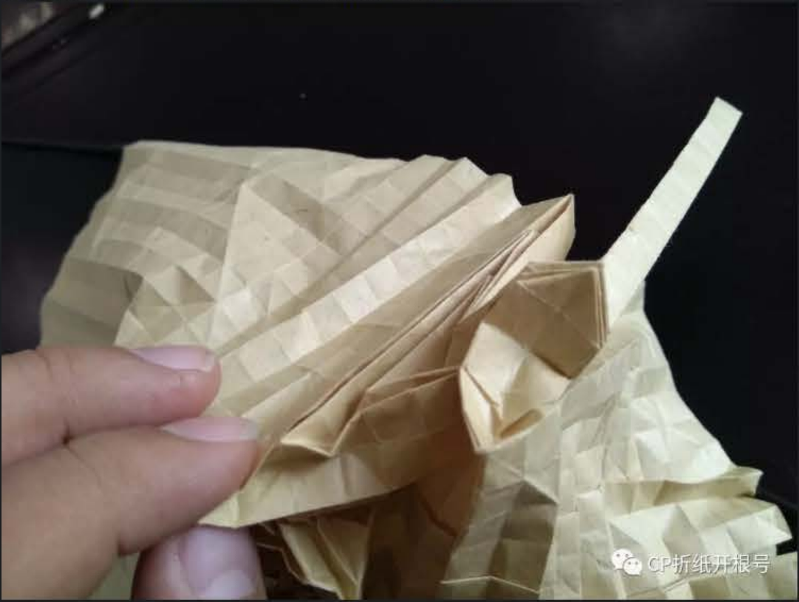
The following corresponds to the continuous aggregation.



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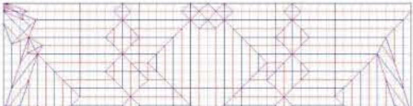
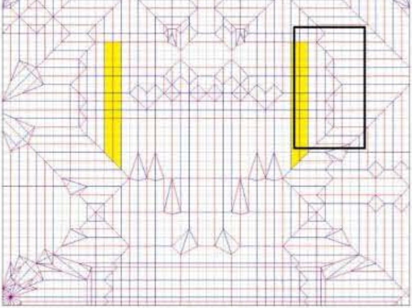
Next, the corresponding parts of the CP are aggregated. Here, I personally used to call this kind of crease "serrated".





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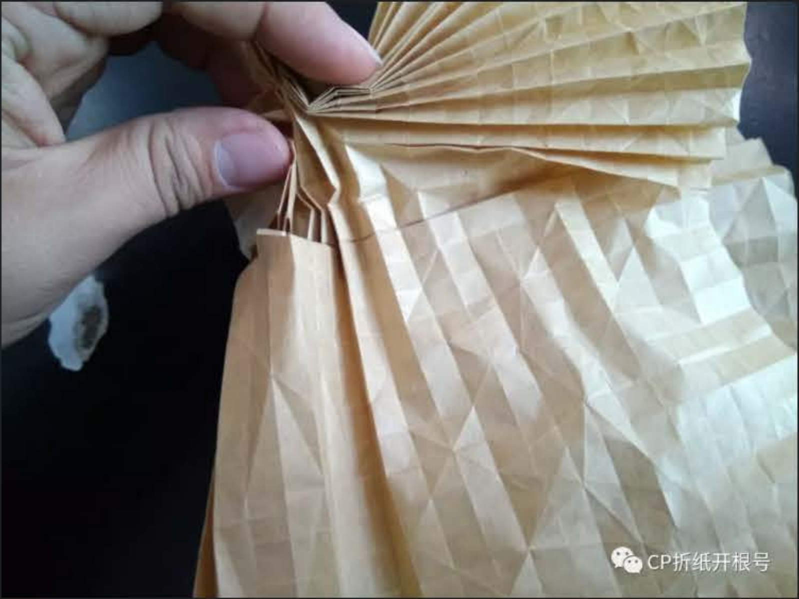

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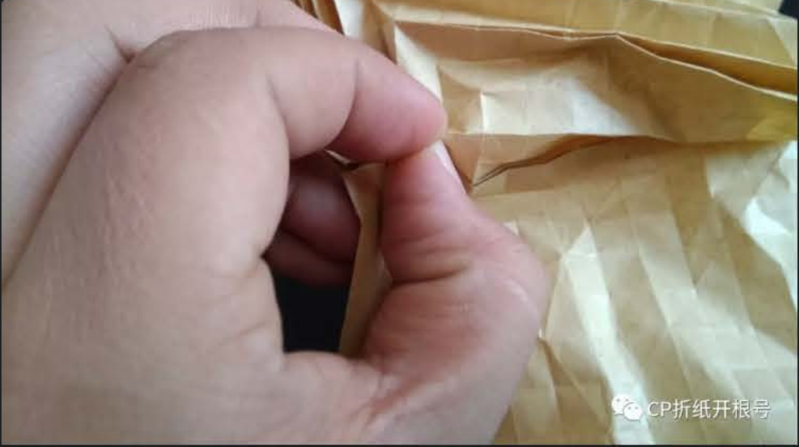

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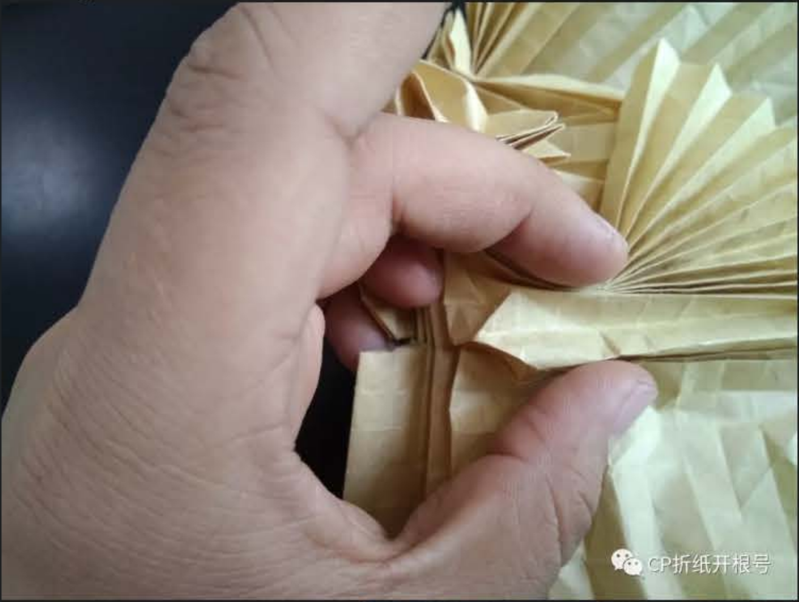
The above picture is the first time to open the paper layer from top to bottom. This folding method is the most common in insect CP and character CP, so it can be said that everyone must learn!



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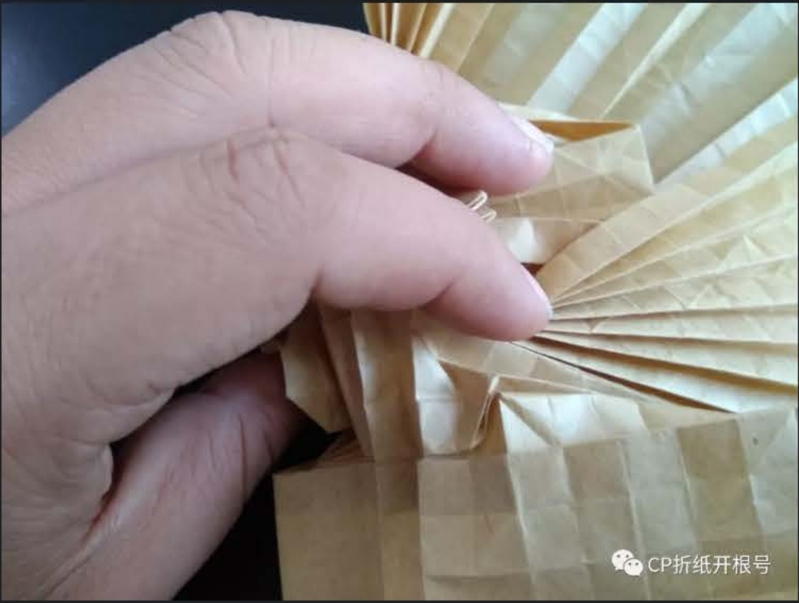
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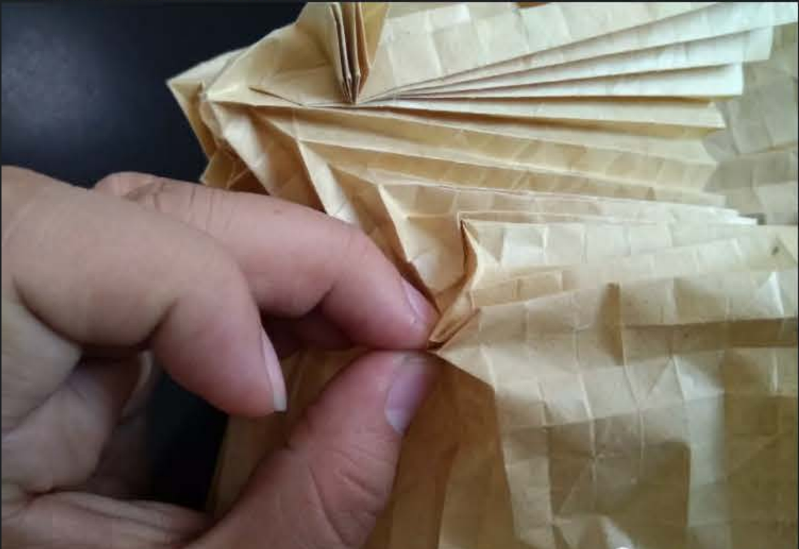
The above is very important!



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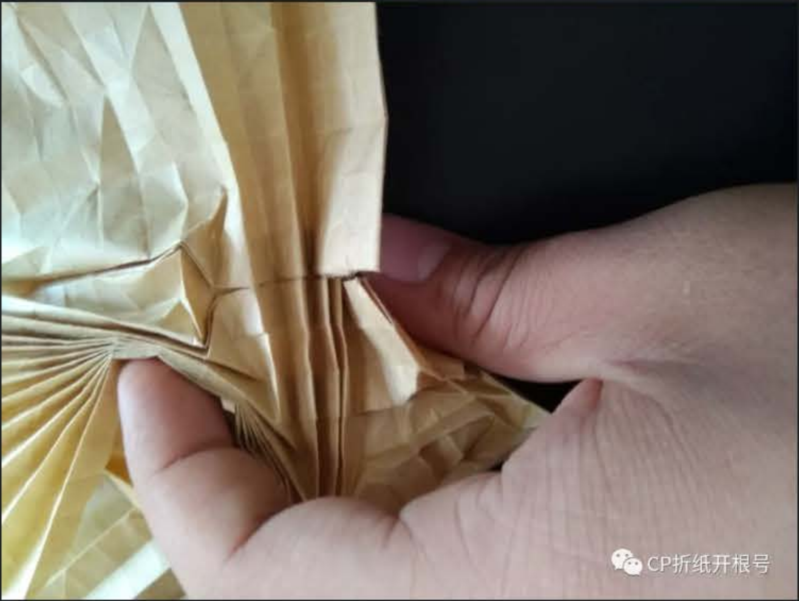

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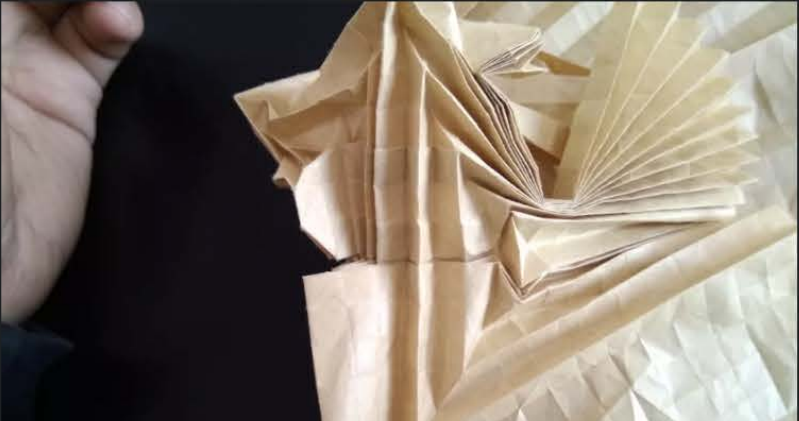

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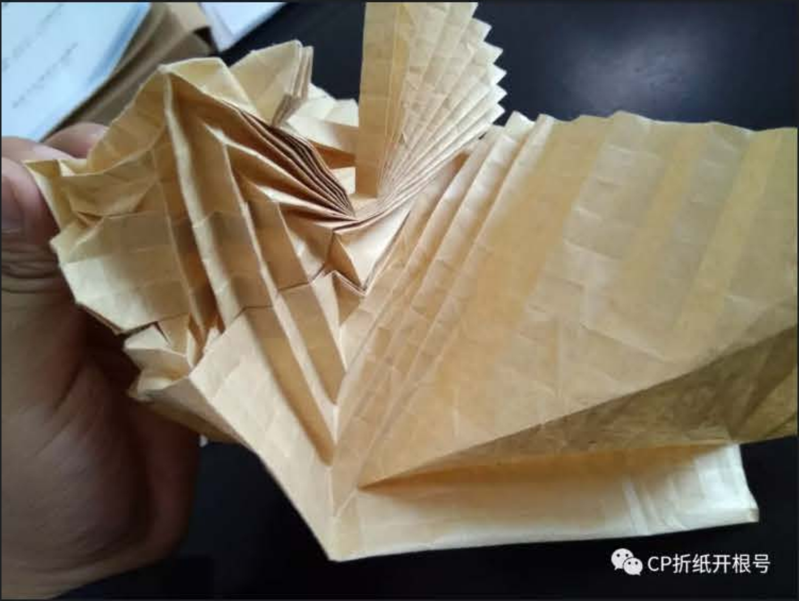

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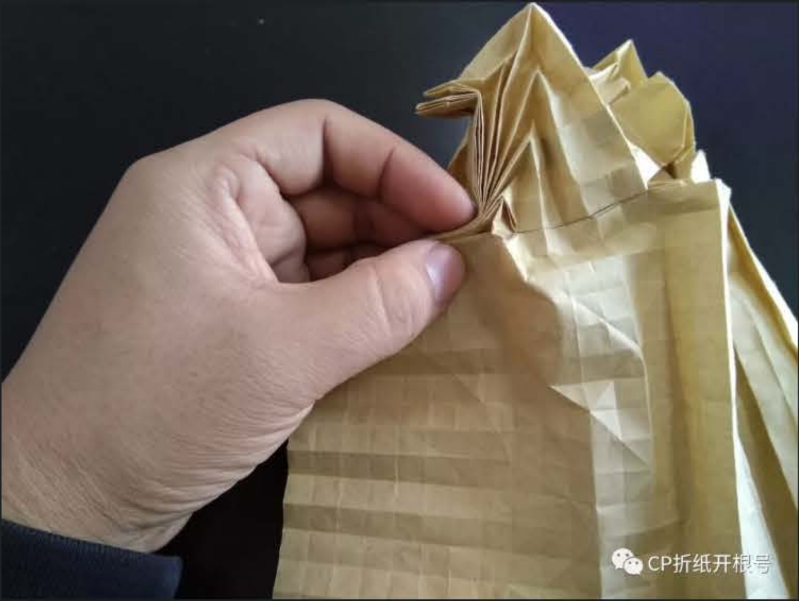
The same folding method on the other side, a few simple shots. There are many habits that fold in one direction and not the other. In this case, I recommend that you fold one step at a time, or a more advanced exercise method is to fold the right side directly against the left fold, so that you can Training with hands and brain haha.



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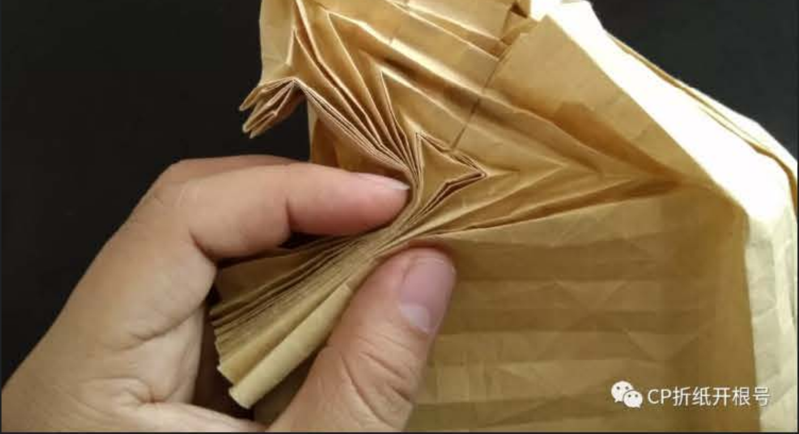
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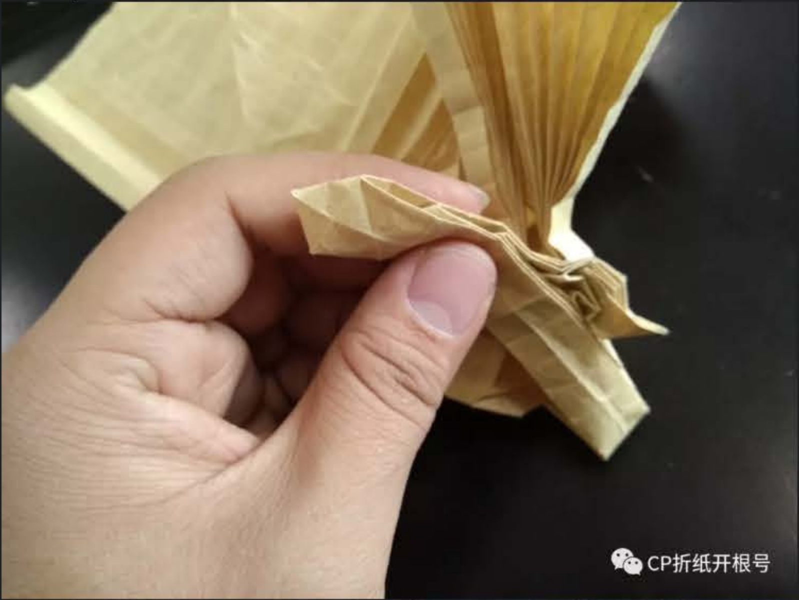
Now adjust the front end of a head.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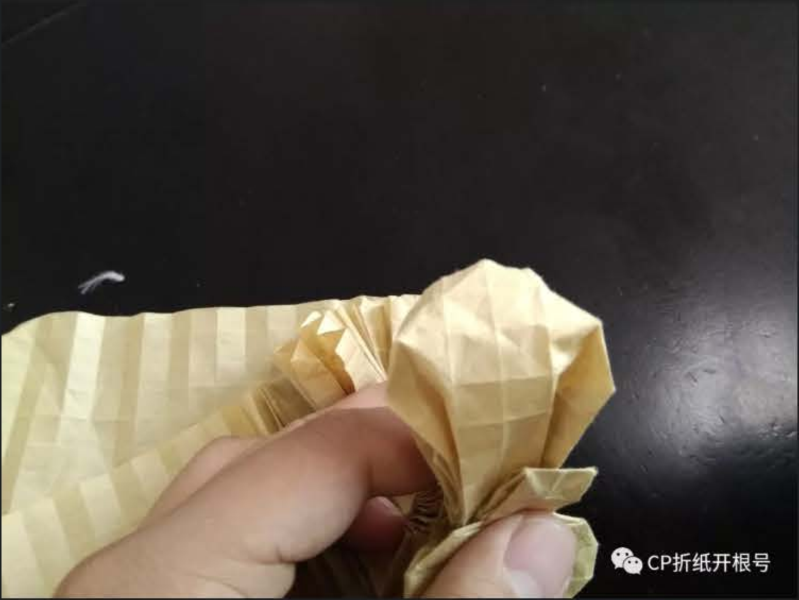
The picture above is the antenna part. This combination of multiple diamond shapes must pay attention to those closed patterns of full peaks or valleys.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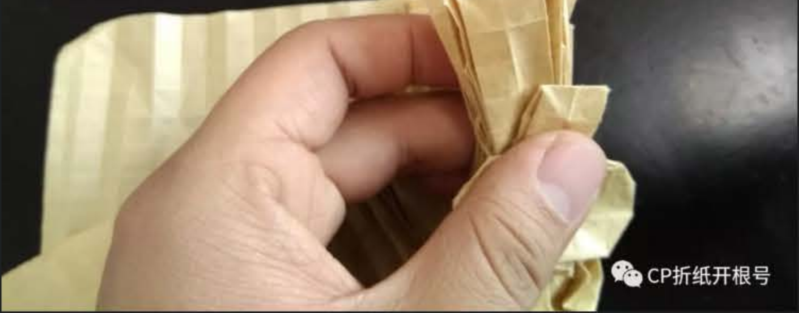
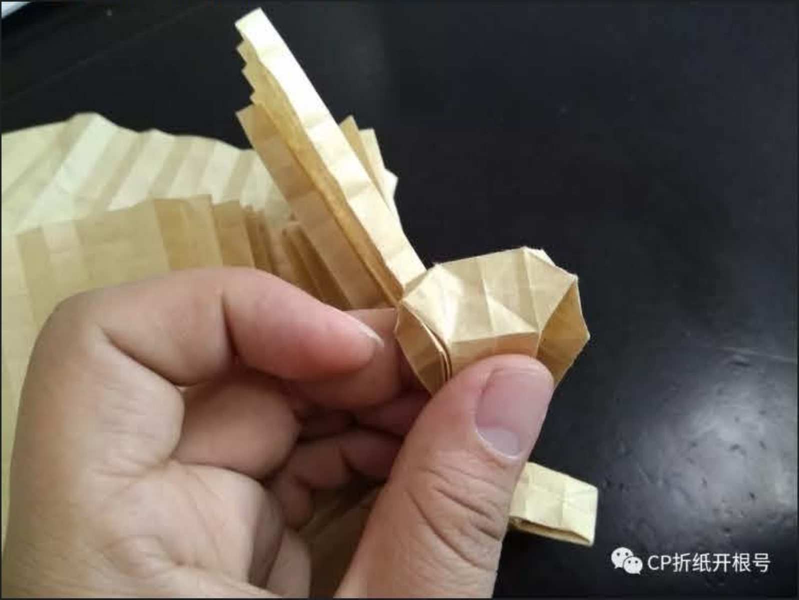
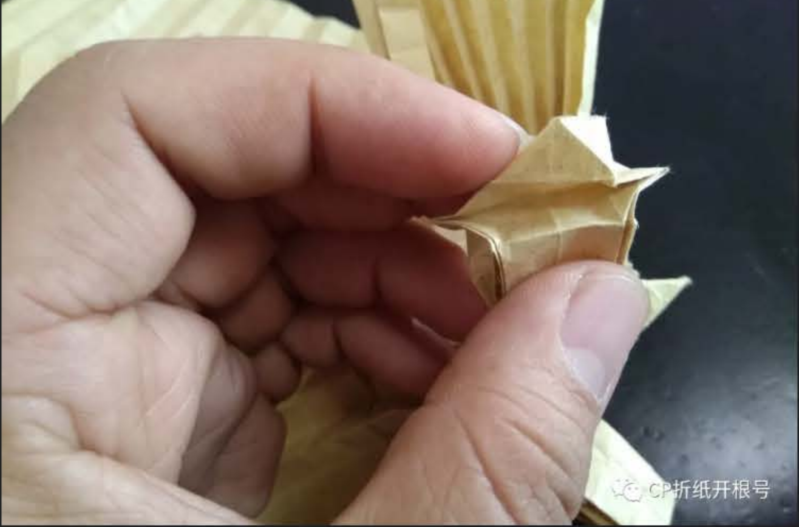


When the above figure is aggregated, you will see some connected peak and valley lines, and some of them are full peaks or valleys.





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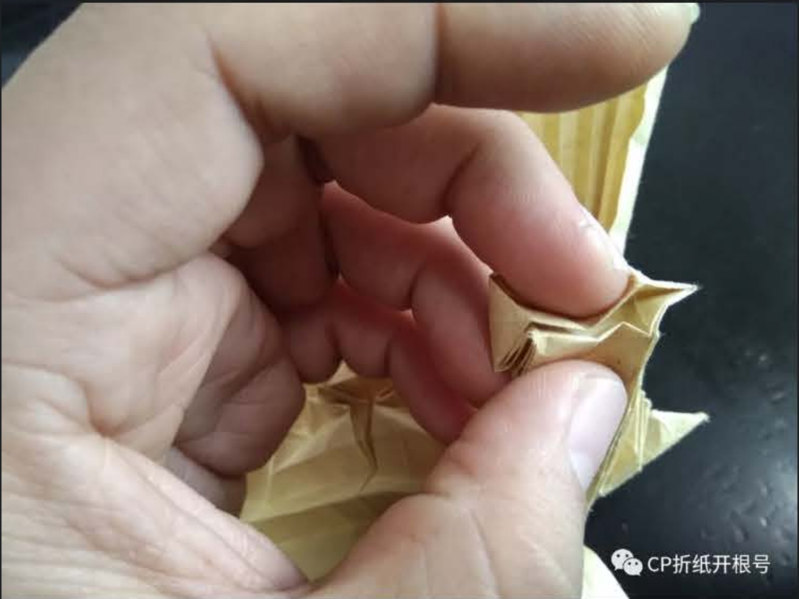

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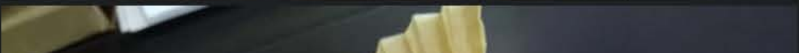

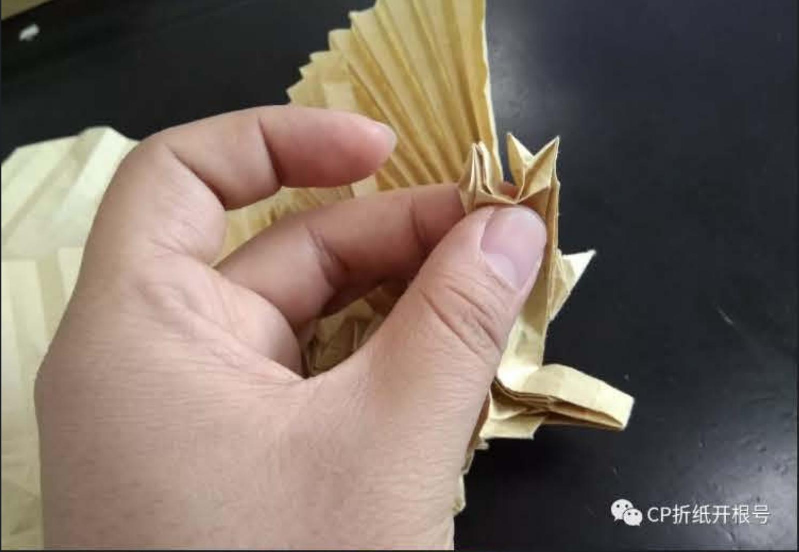
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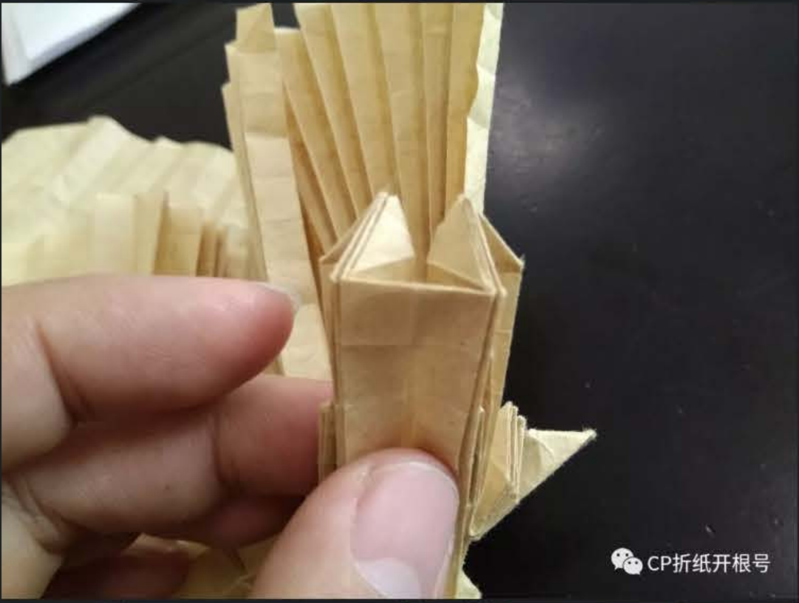
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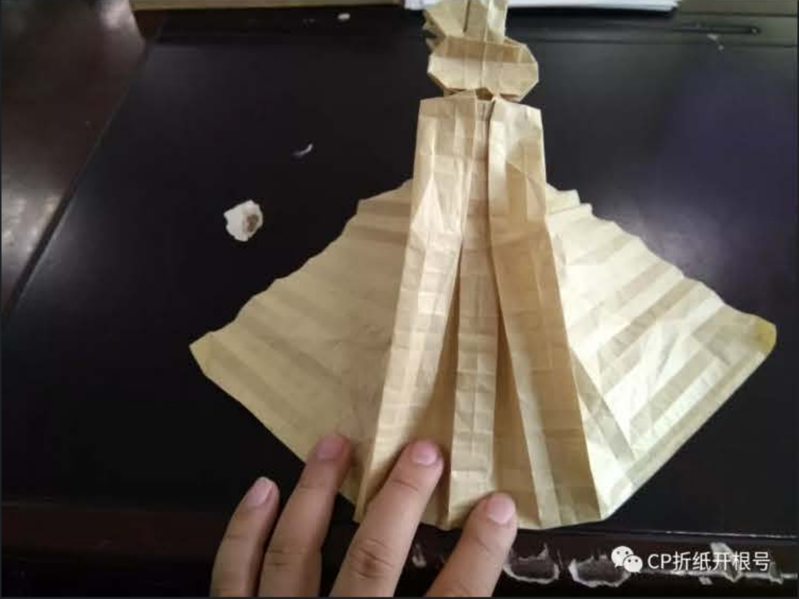
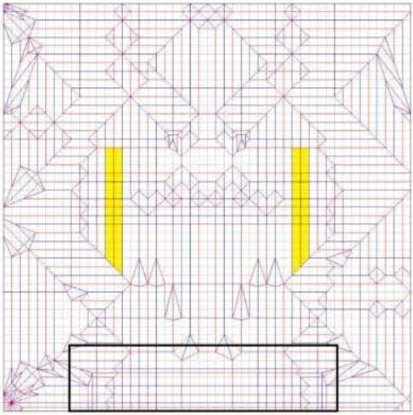
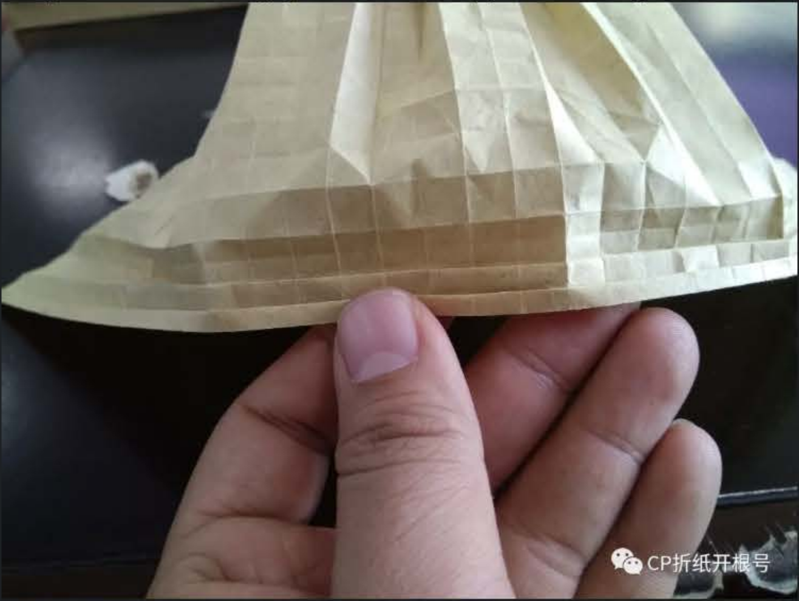


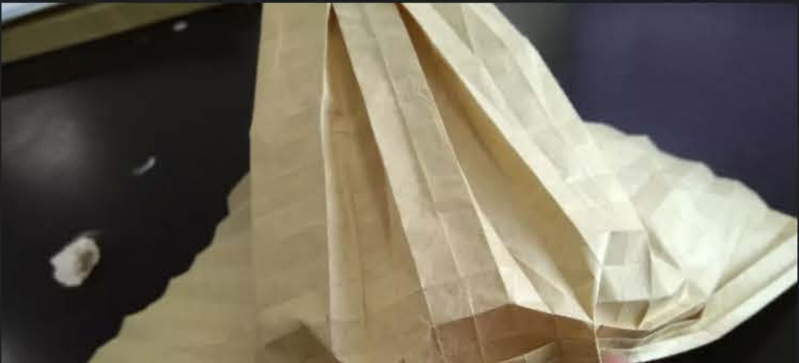
So far we have basically finished the first half. Next, deal with the beetle's belly.



Before I fold this part, I have to say a few more words. One is to pay attention to whether the belly is a long line of complete peaks or valleys or a long line of peaks and valleys. The second is to pay attention to the overall width of the belly.

The first point is of course to determine the folding order. Of course, if it is a complete peak and valley line, you can of course follow the peak and valley, but if there are many intermittent peaks and valleys, you must pay attention to how the breakpoints are connected. The problem of folding horizontally, I will talk about the differences between the two folding methods in the future interpretation of the insects, and will give real shots. The second point is mainly to remind everyone to pay attention to changes. Next we moderately spread the lower belly part and converge.





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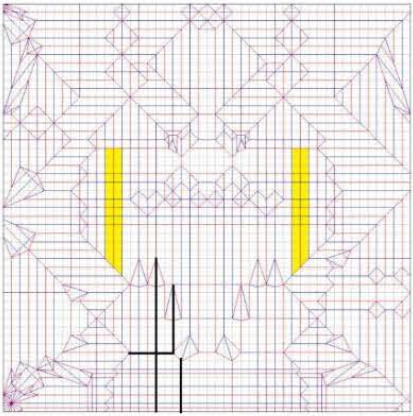

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Pay attention to these changes in the process of aggregation. Special attention should be paid to the continuous valley lines, but also to be combined with the legs. In this selection, the legs are not difficult, but some small lines are used to adjust the small branches of the feet. This time I will only explain how to aggregate the whole. In the future, there will be a lot of opportunities to do some real details of various insects separately. Then we will learn together.

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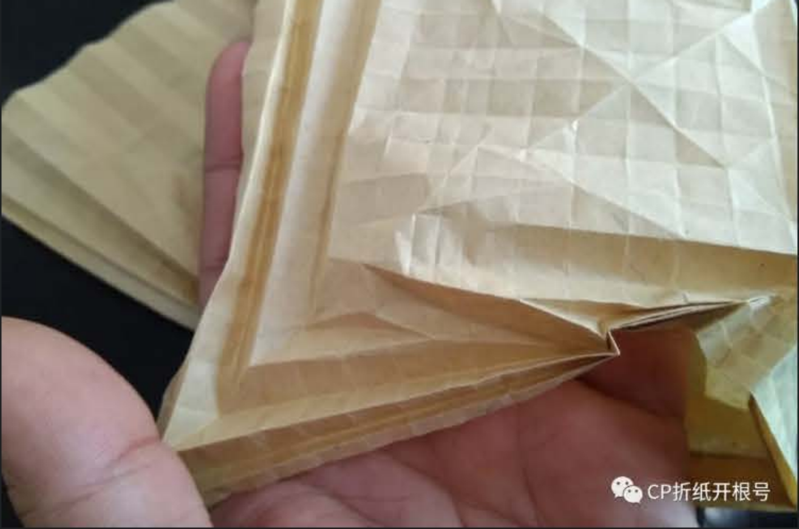

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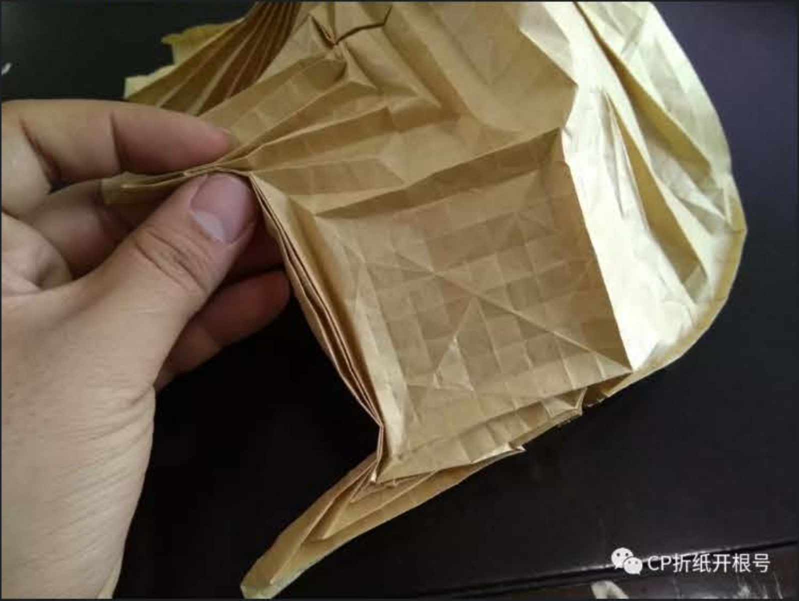
Here is mainly to pay attention to the slash of the direction.



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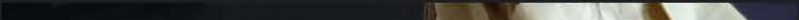

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The figure above is the continuous line direction folding method.

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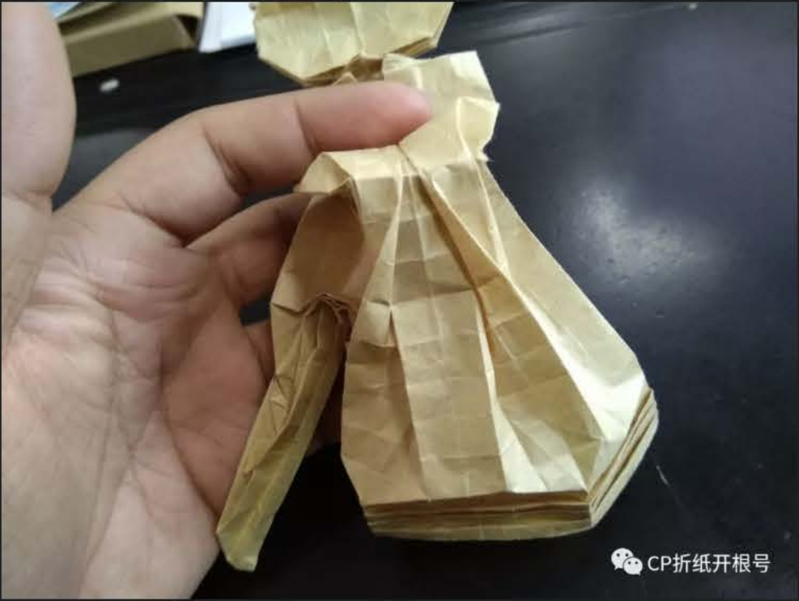
The two pictures above show two angles.



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This step is another set of changes.

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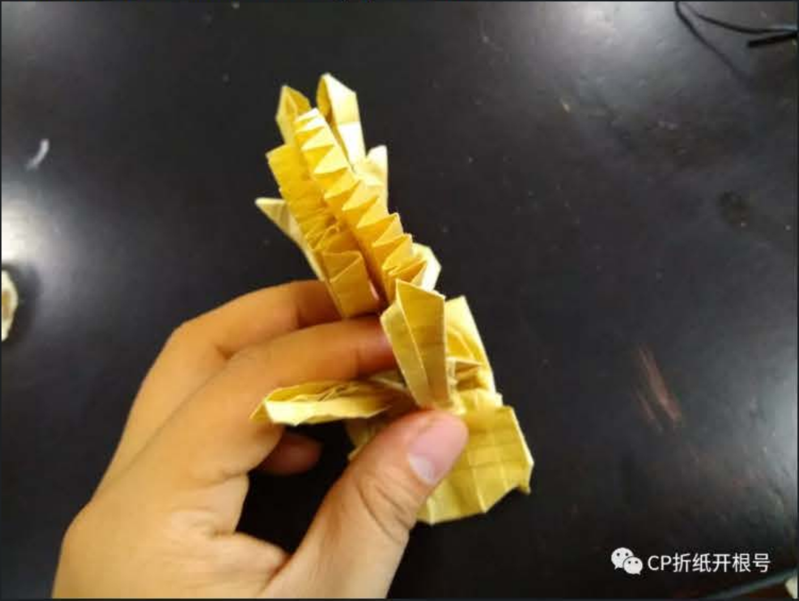
So far we can fold out the entire belly by CP width.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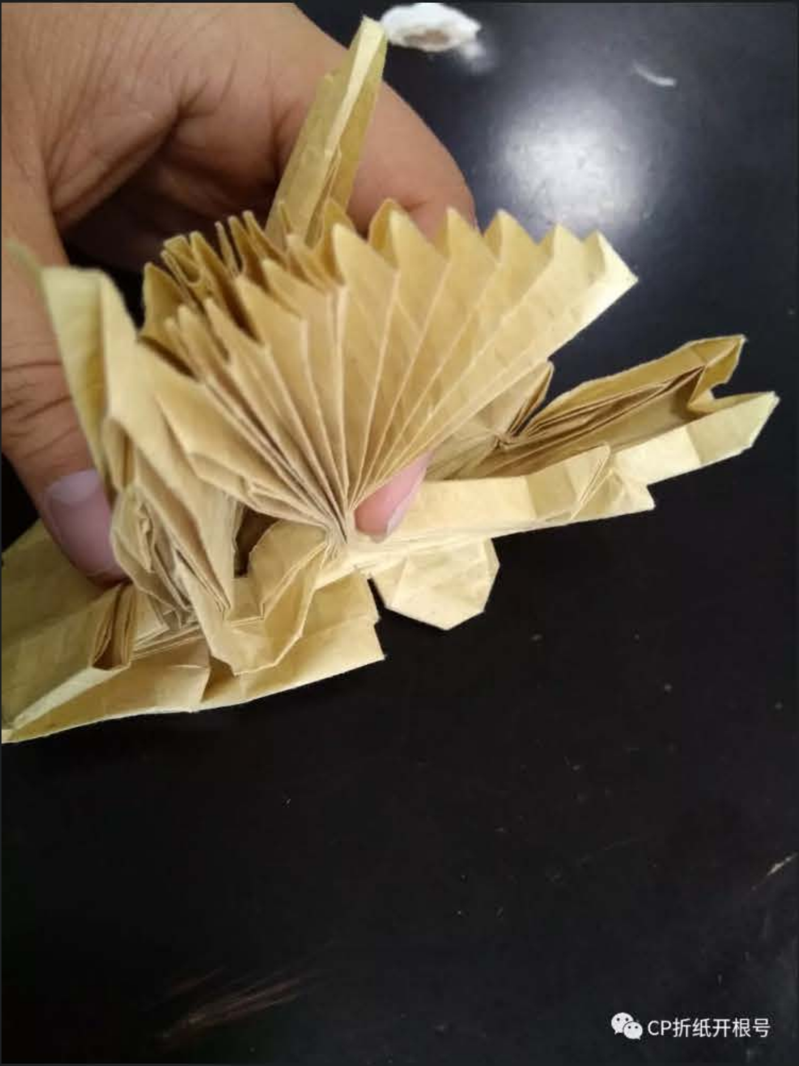
Make further adjustments.



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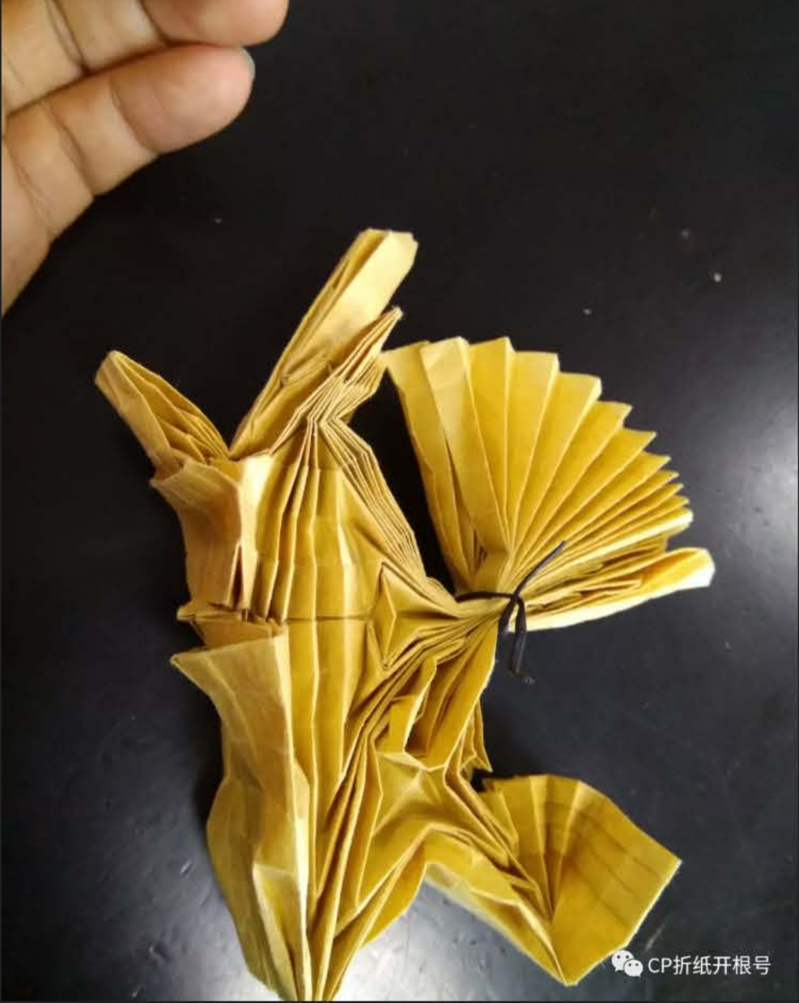
Then make the remaining legs.



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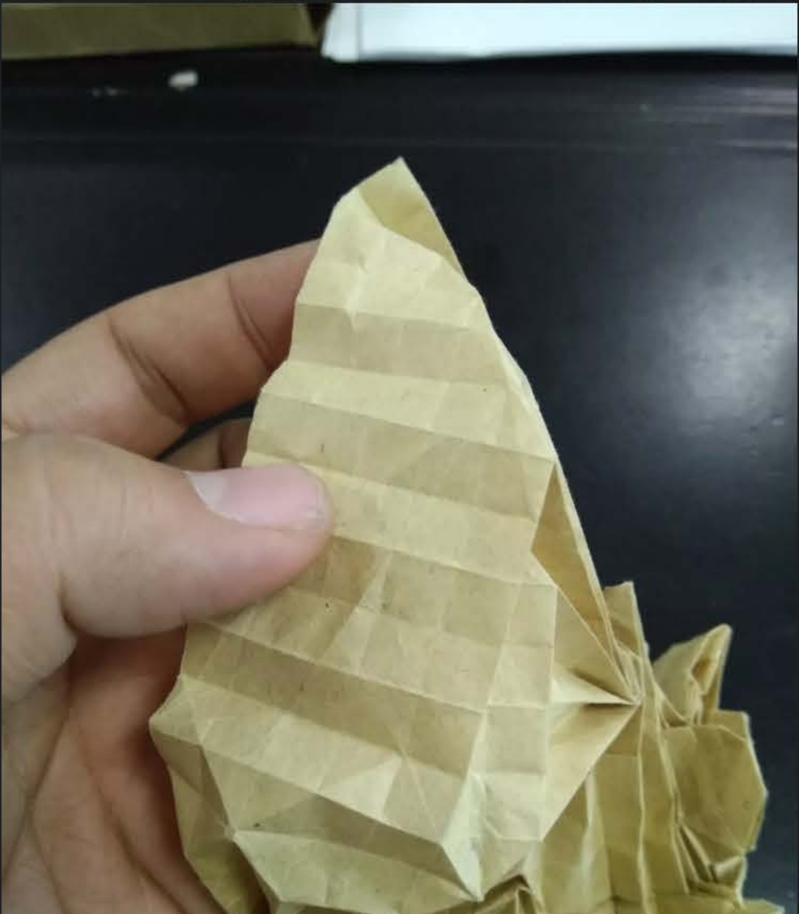

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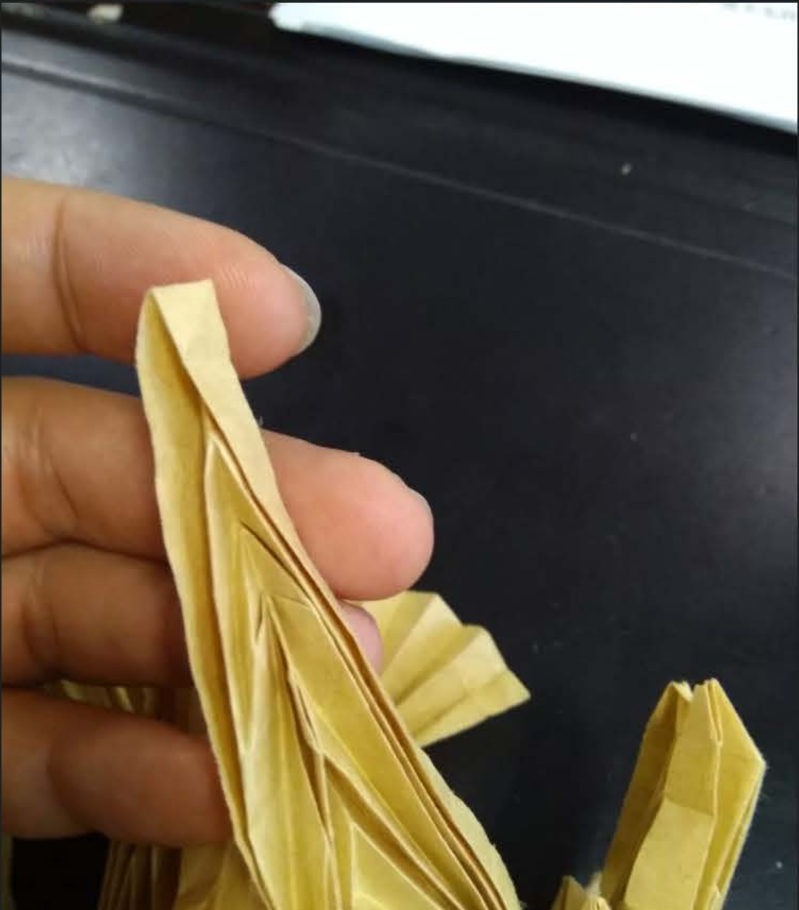

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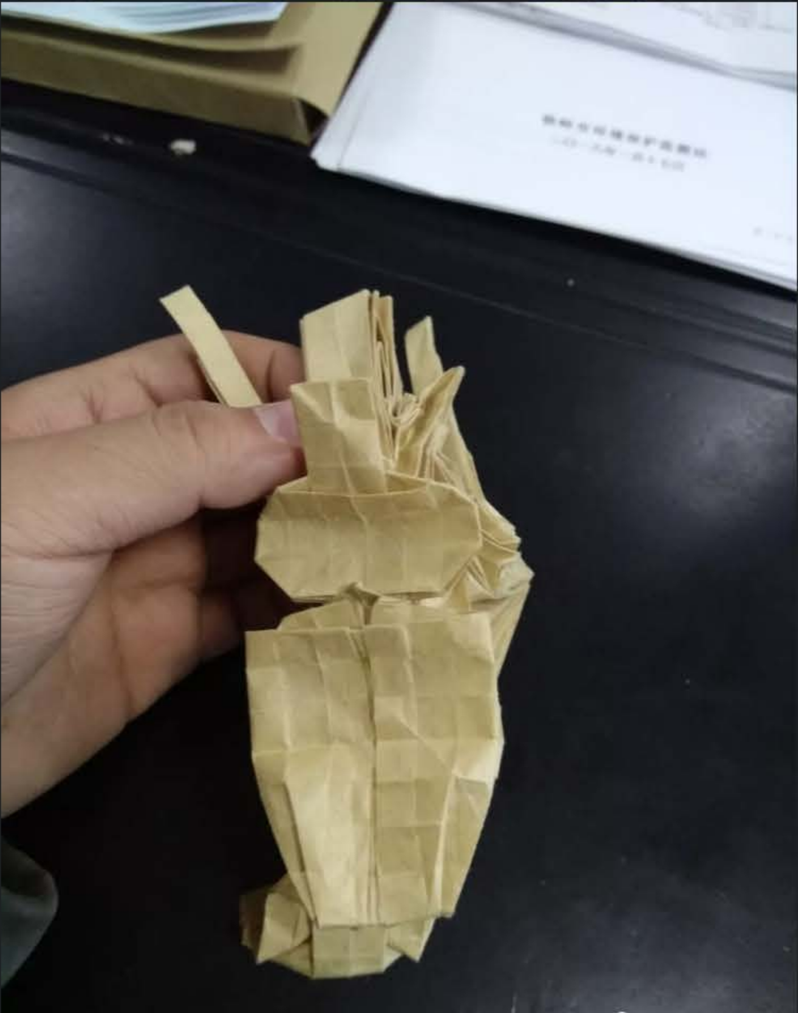

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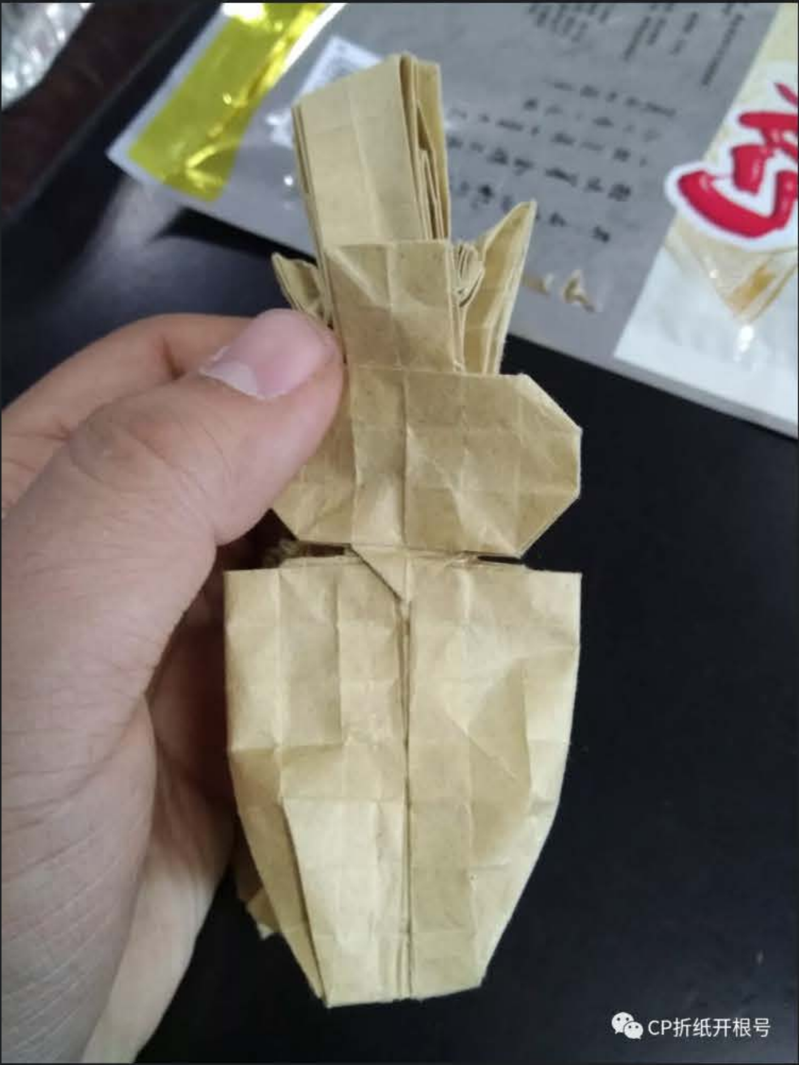

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Here we are completely successful. If you fold this work for the first time, don't worry, you will succeed! Finally, welcome everyone to leave a message, I will reply to you as much as possible!

In the end, I hope everyone can fold this insect, my work has not been shaped, I hope to see everyone's work first!