What can one fold change

How can I compare two paper shapes without claiming more than I tested?

The two versions

Sketch A flat and B with a shallow lengthways V. Label the supports and gap.

What stays the same

List the paper, gap, pads and observation you will keep consistent.

My observations or open questions

Record A and B separately. Mark a prediction, fictional entry or unknown clearly.

My careful conclusion

What does this comparison show? What does it leave untested?

Keep it, change it or leave it here. Sharing is optional.

Explain an invented mechanism

How can a sequence of labelled drawings show where motion goes?

My parts

Label the input, contact and output.

Direction

Which direction does each gear turn, under the stated rule?

Turn comparison

How far does B turn when A makes one or two turns?

Model limit

What would need checking before a real mechanism could be built?

Keep it, change it or leave it here. Sharing is optional.

A flow network on paper

What does a branching network allow, and where could a bottleneck appear?

My network

Draw the branches and their limits.

Turn 1

How many arrive, leave and wait?

Turn 2

Include the waiting token before adding new arrivals.

One revision

Which capacity changes, and what happens from an empty start?

Keep it, change it or leave it here. Sharing is optional.