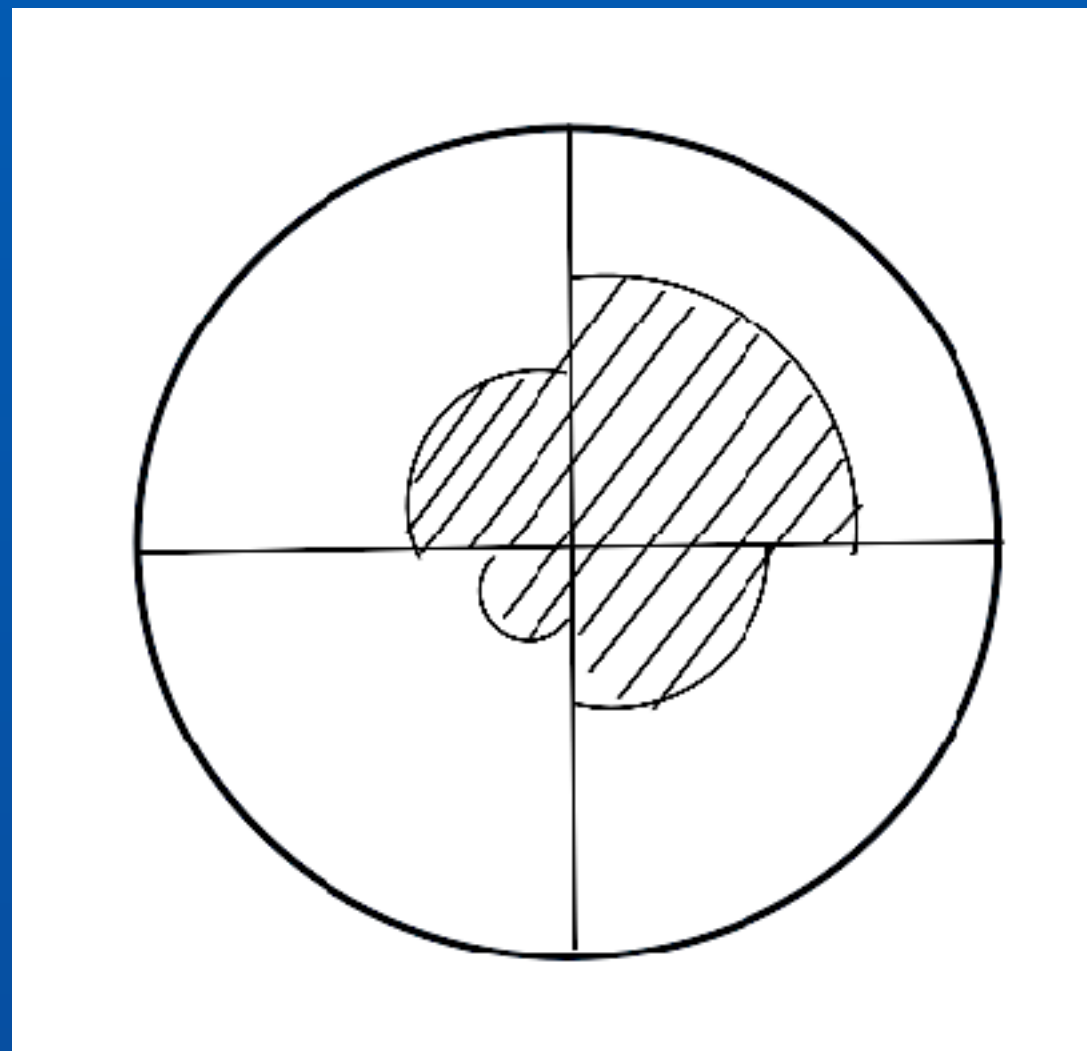


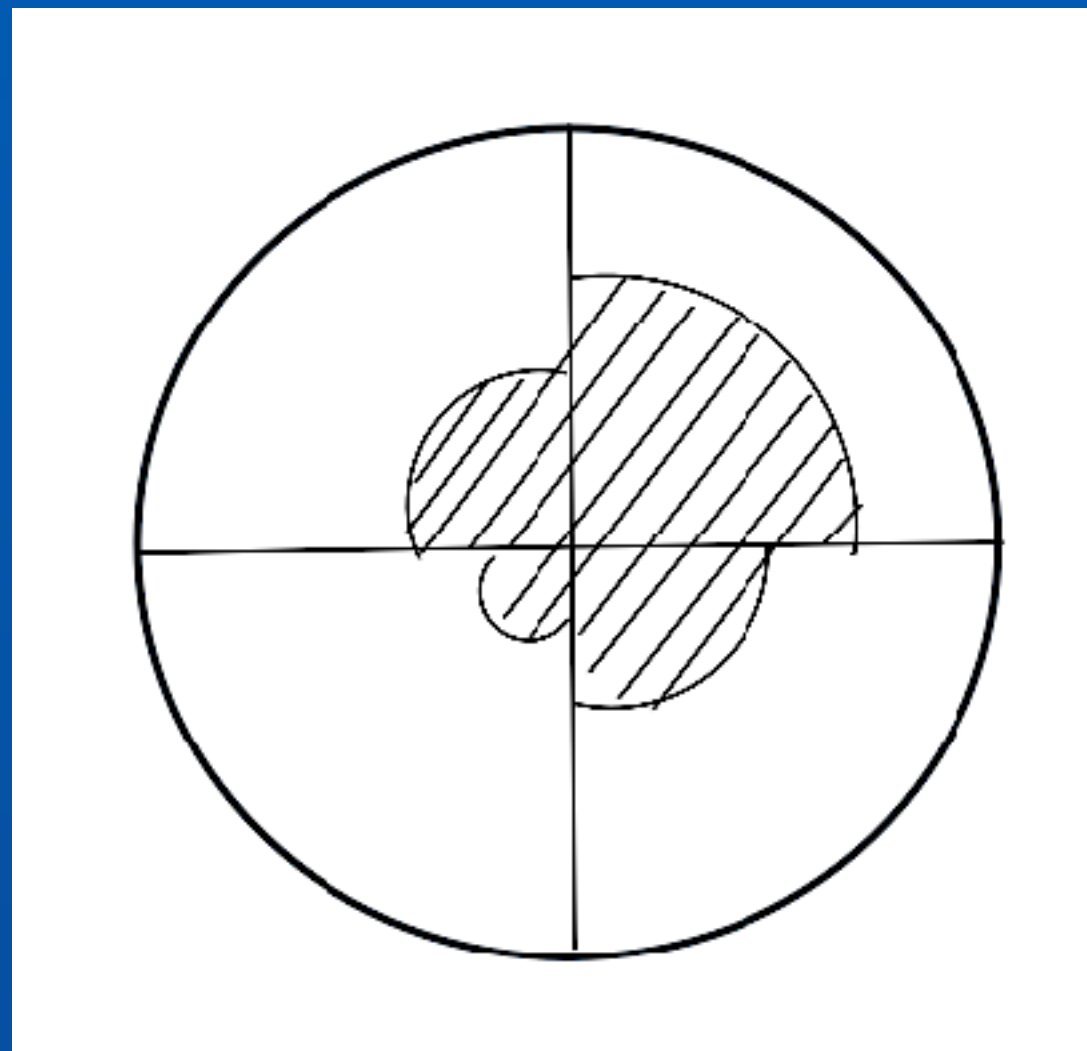
DEEP MARGIN EMBEDDING ERRORS DUE TO BISECTED SAMPLES

Kurt Hemmings
Montreal

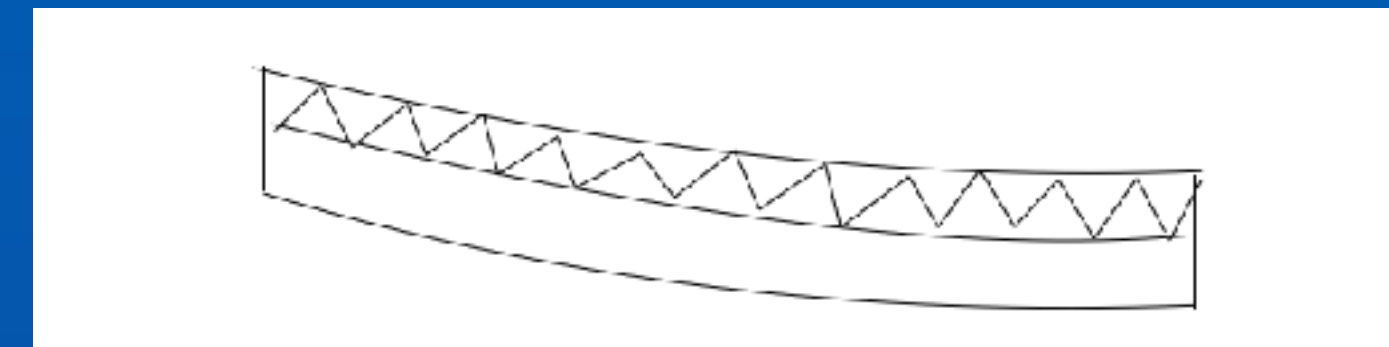
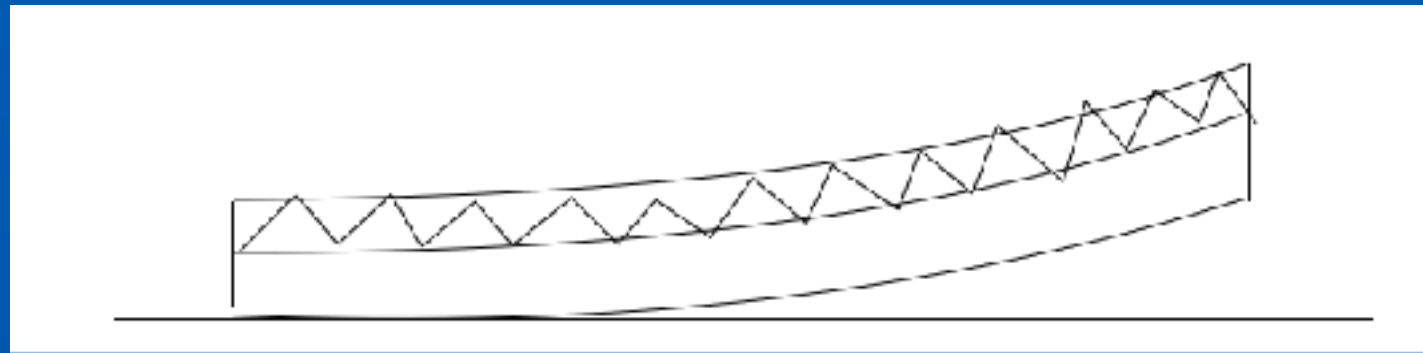
The map that started it all



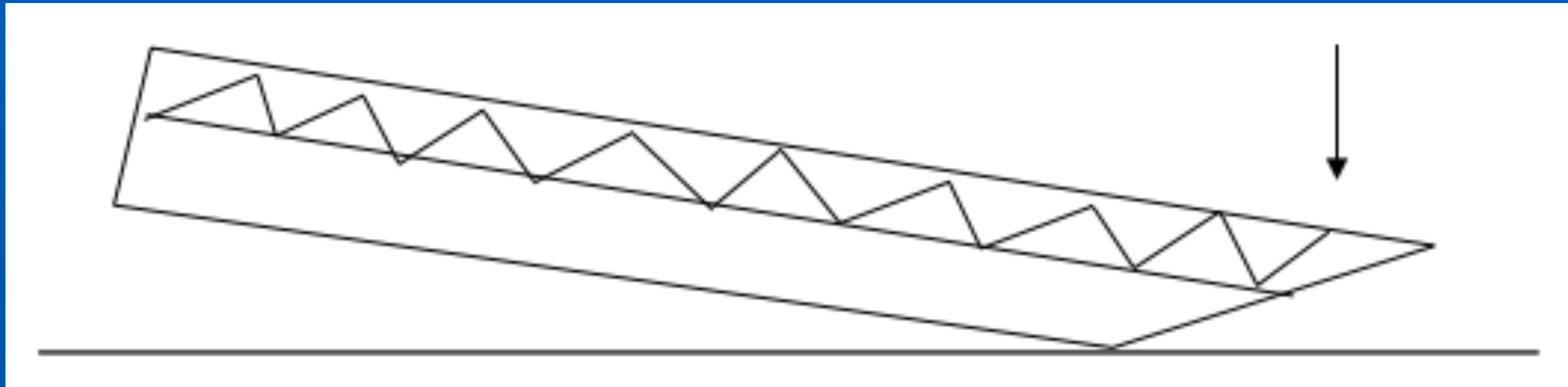
Just take more deep, Not!



See Saw



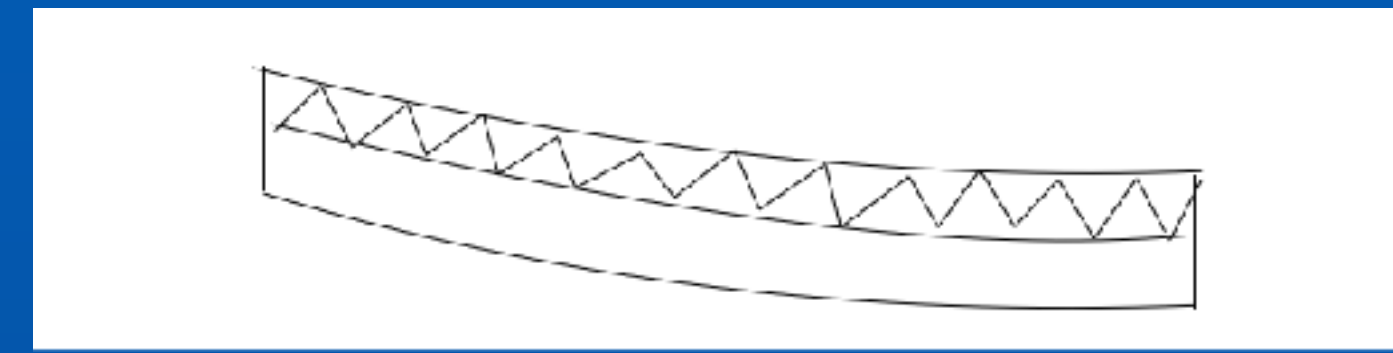
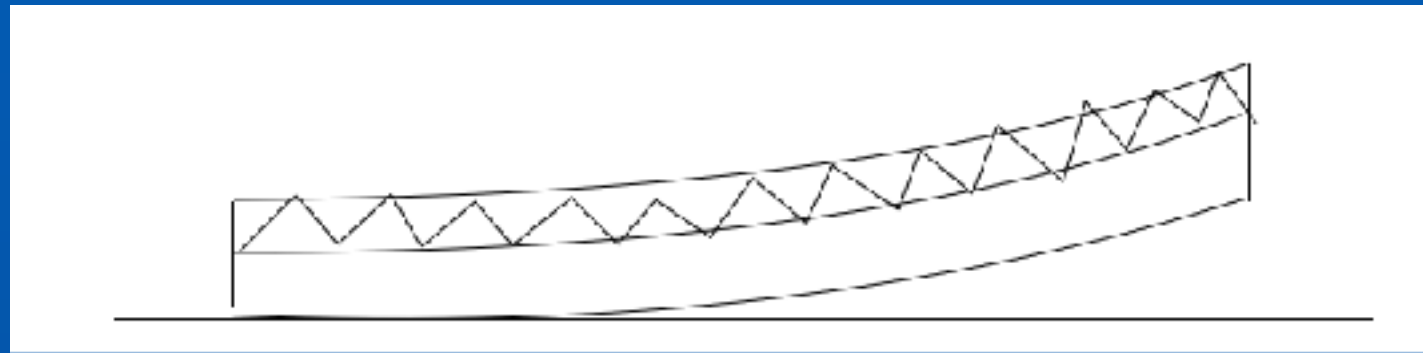
Tip Lift



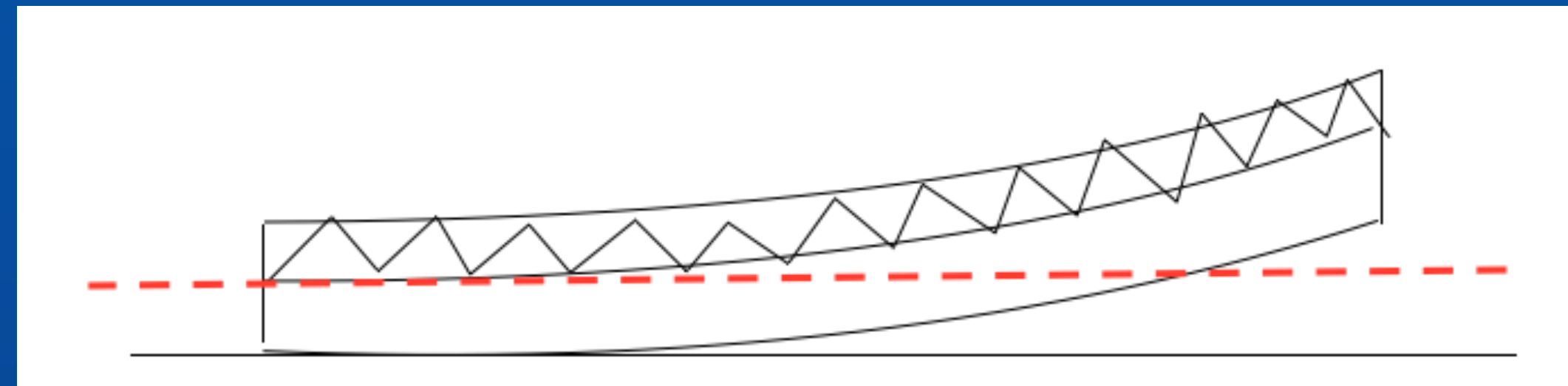
Keep your toppings on top



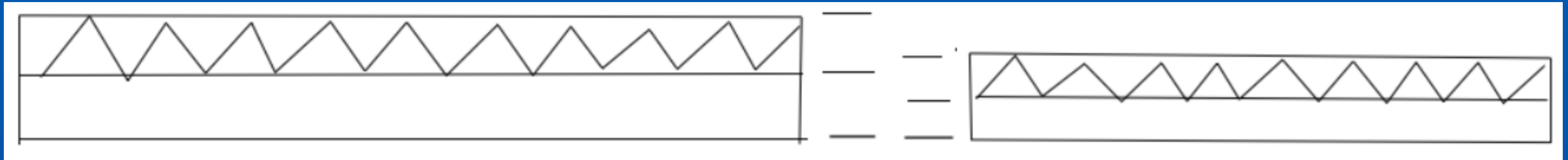
See Saw



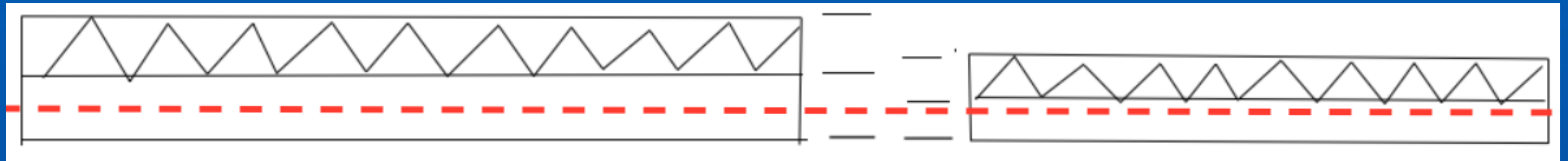
=



Compression



Compression



Not All Skin is the Same



© Bruce Adams/Daily Mail

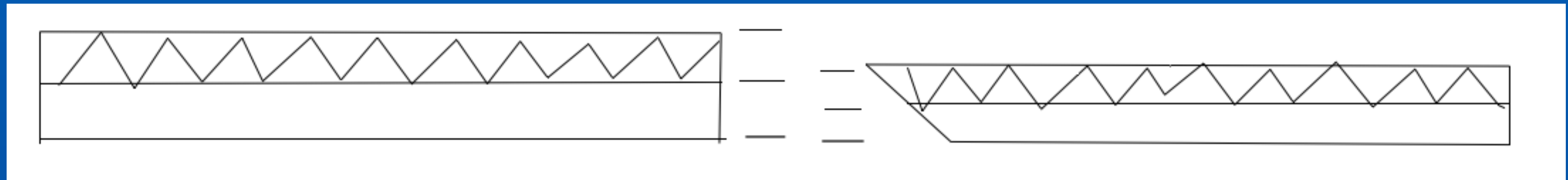
Not All Skin is the Same

Some tissue components can compress more than others

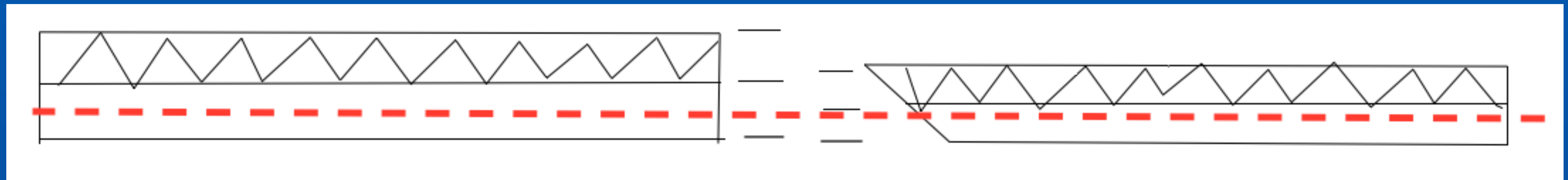
Not All Skin is the Same

Temperature

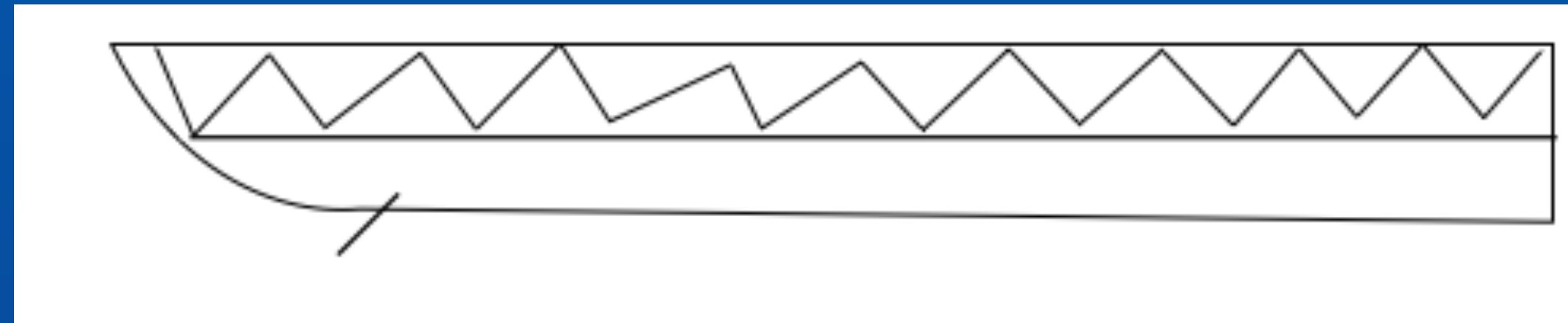
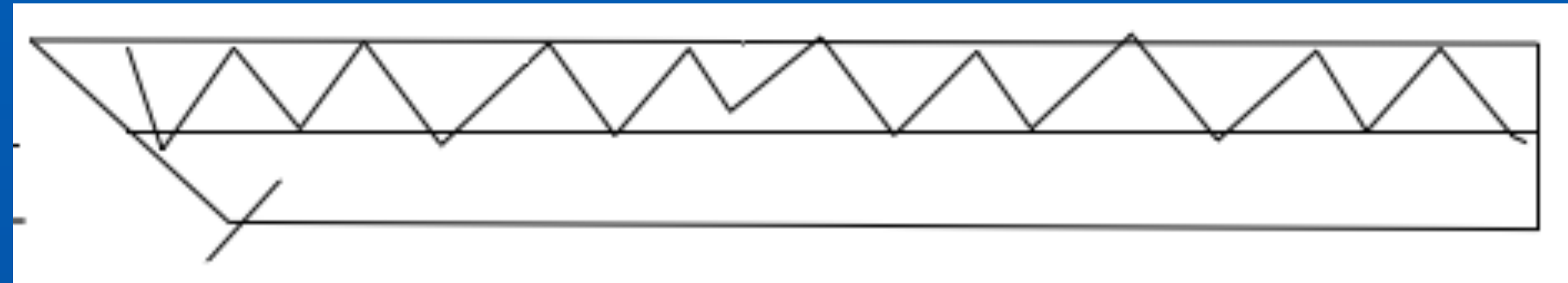
Edge Roll



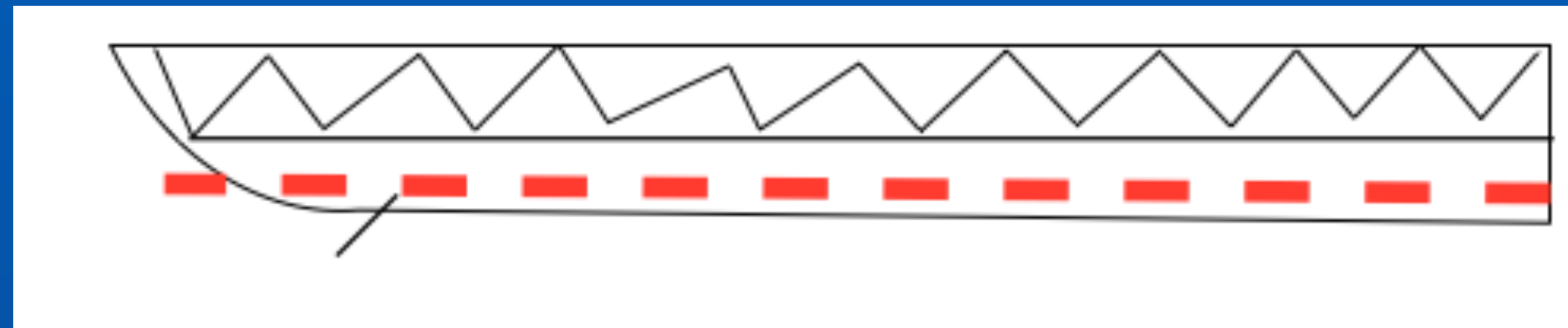
Edge Roll



Edge Roll

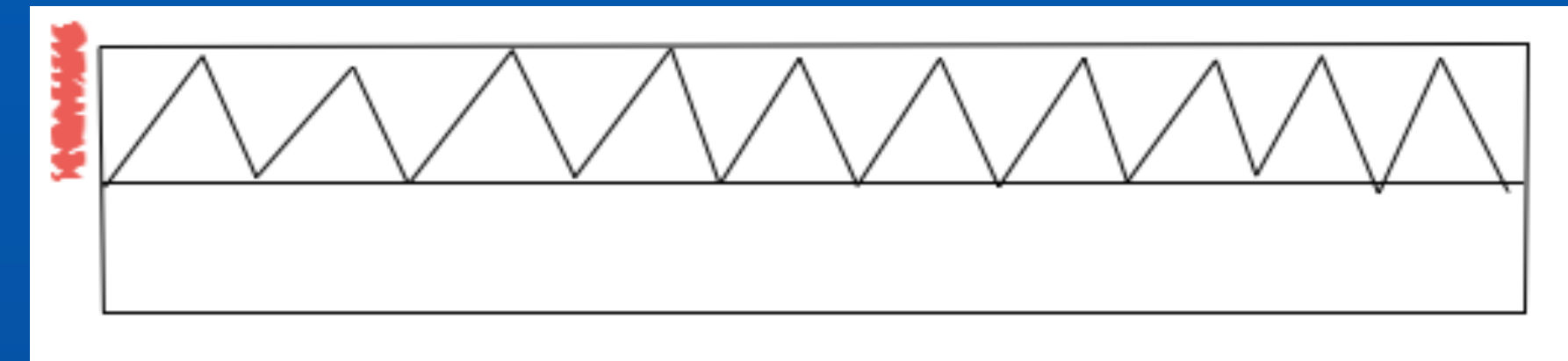
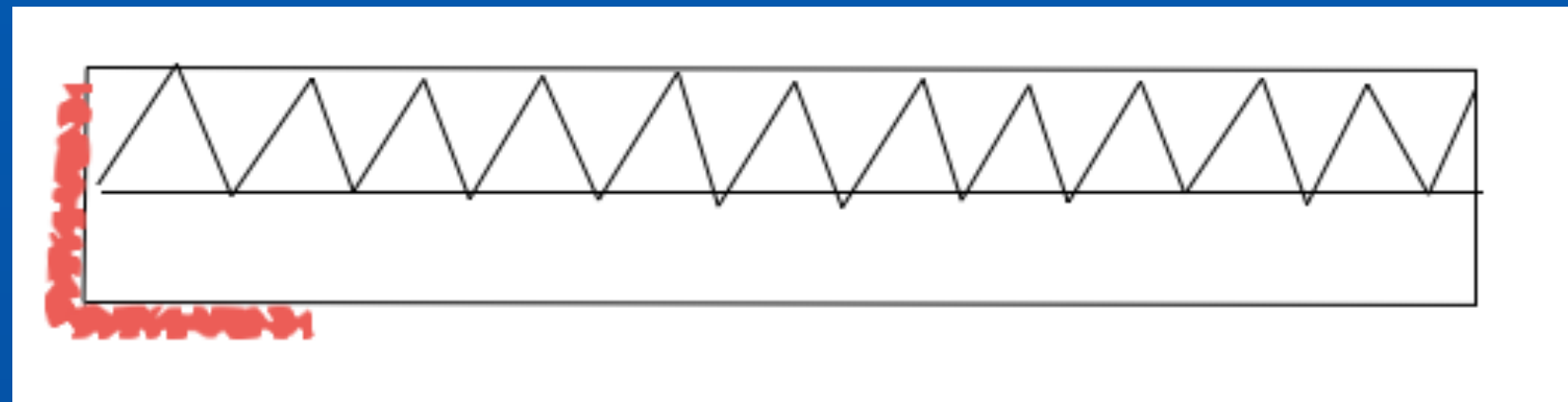


Edge Roll

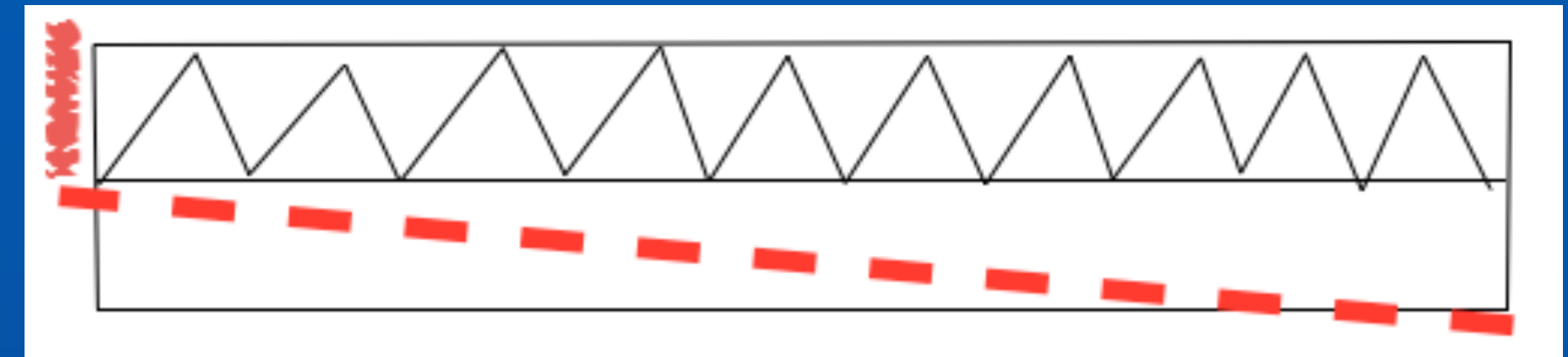
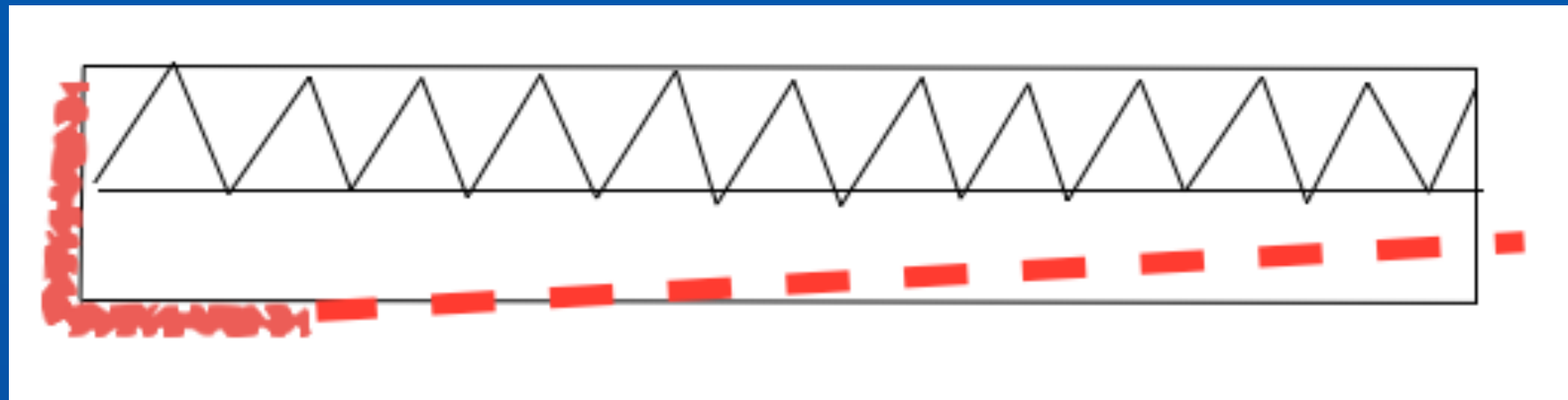


What About Ink ?

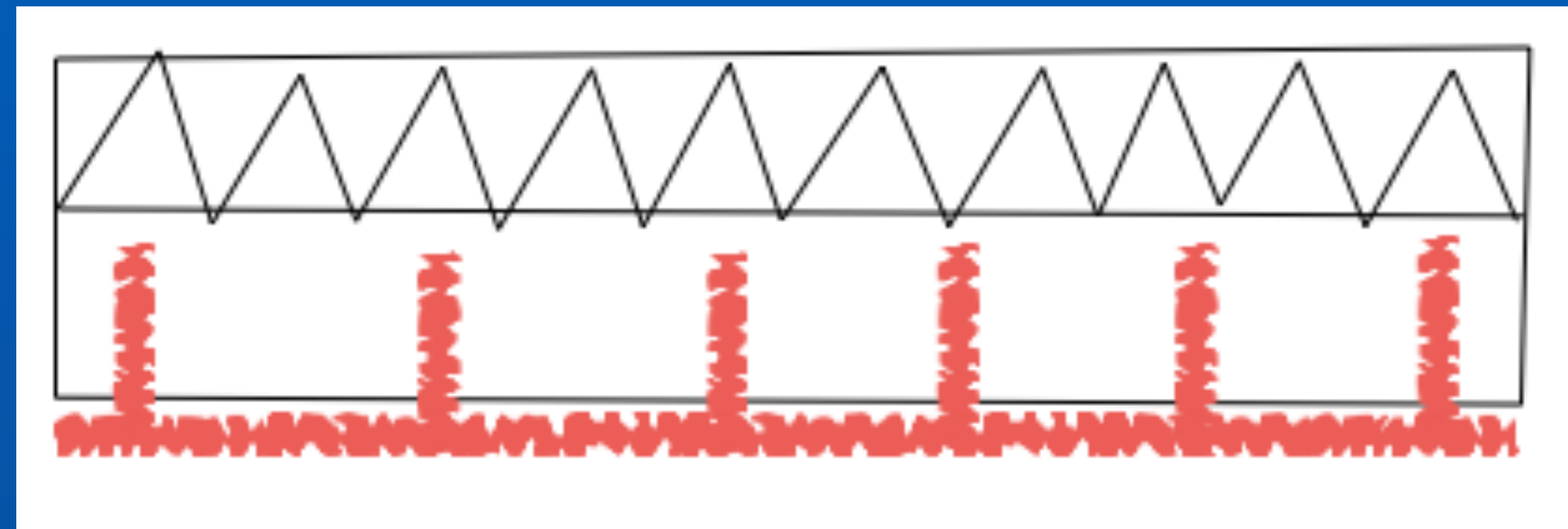
What About Ink ?



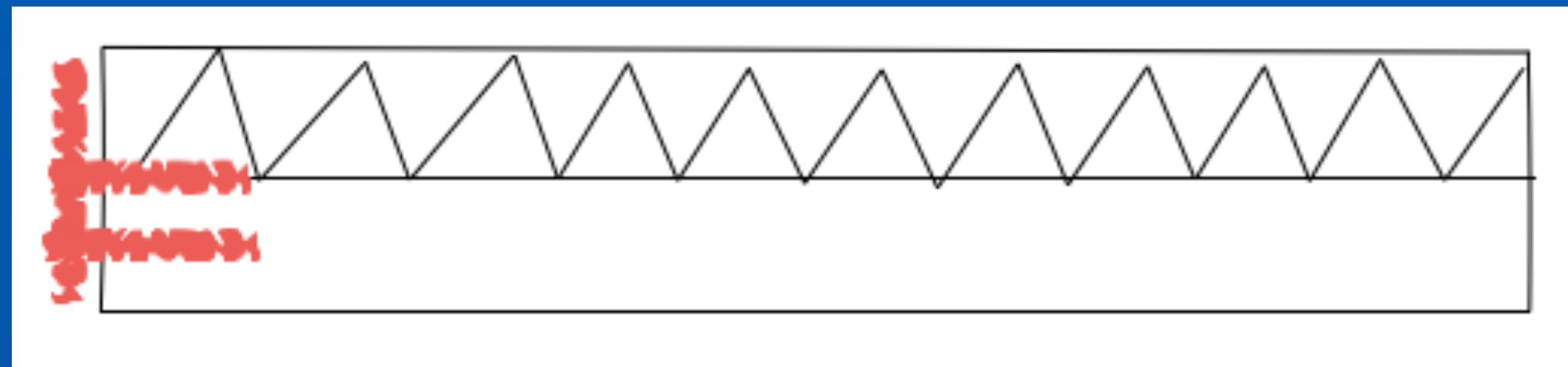
What About Ink ?



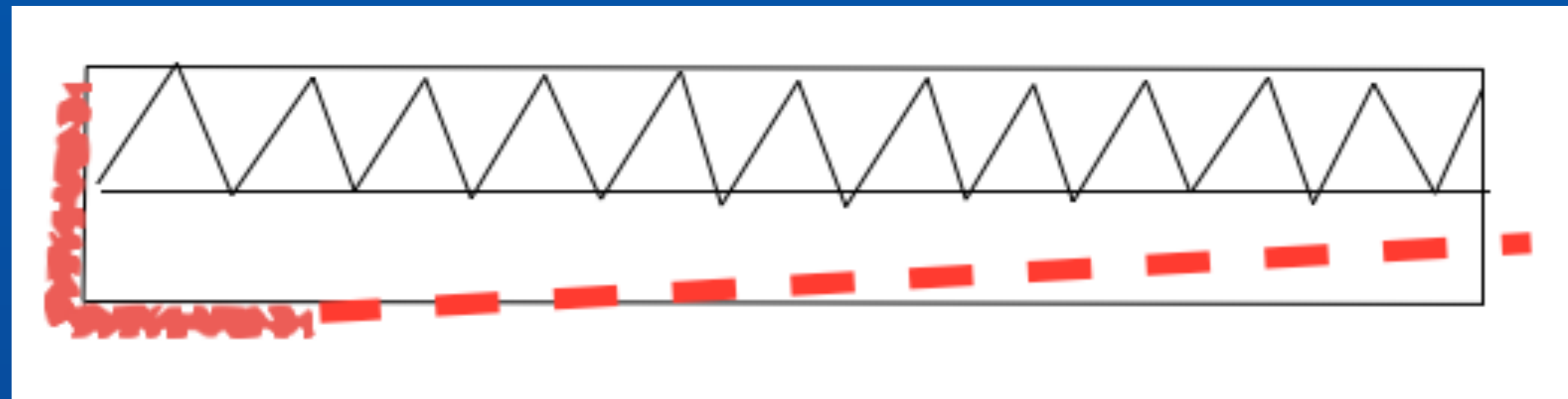
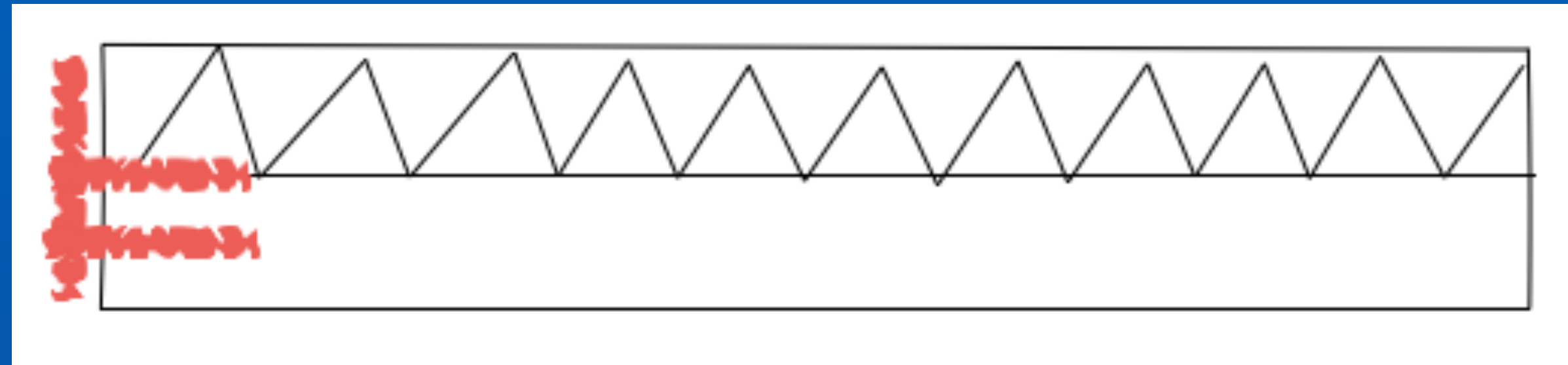
What About Ink ?



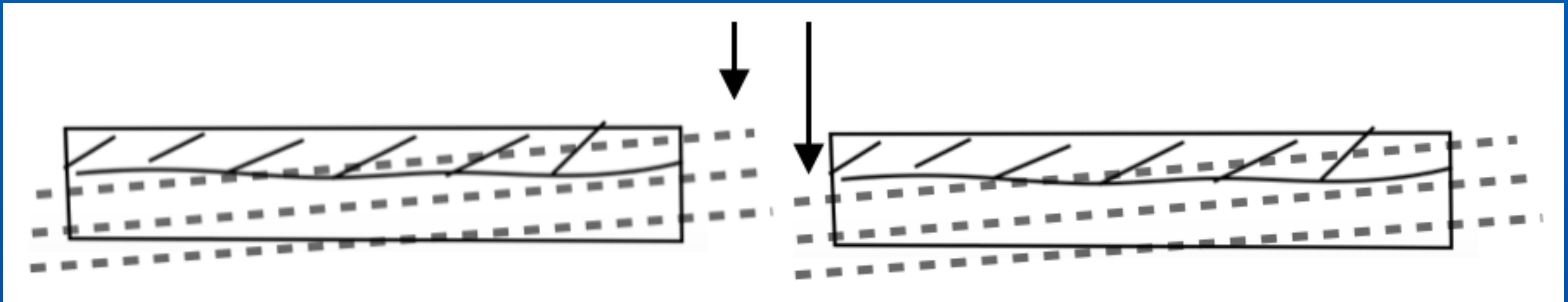
What About Ink ?



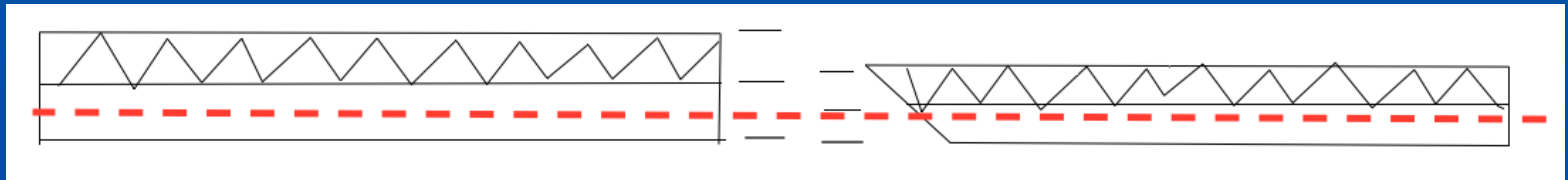
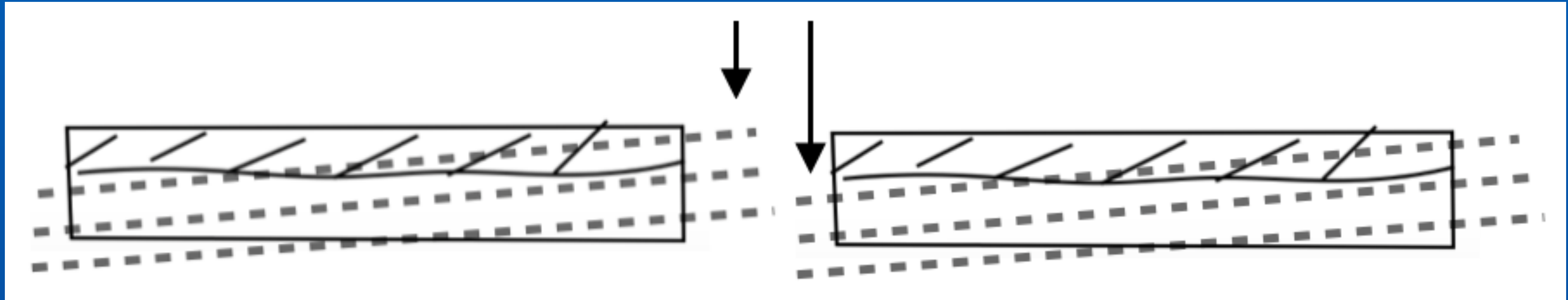
What About Ink ?



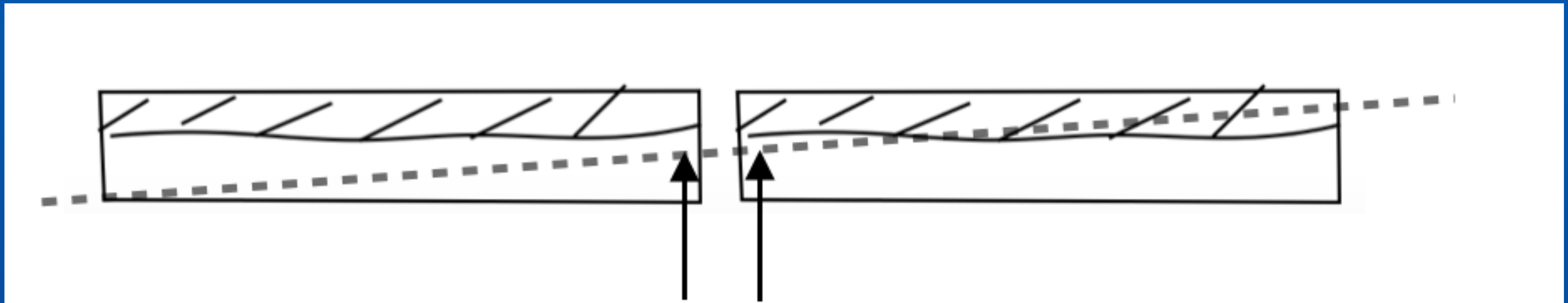
Angle of Approach



Which is Which ?



If both samples are placed together and sectioned as one, the depth of the section is close to equal at the side.



Early Runs, Less than Promising

Early Runs, ~~Less than~~ Promising

Can't see clearly?

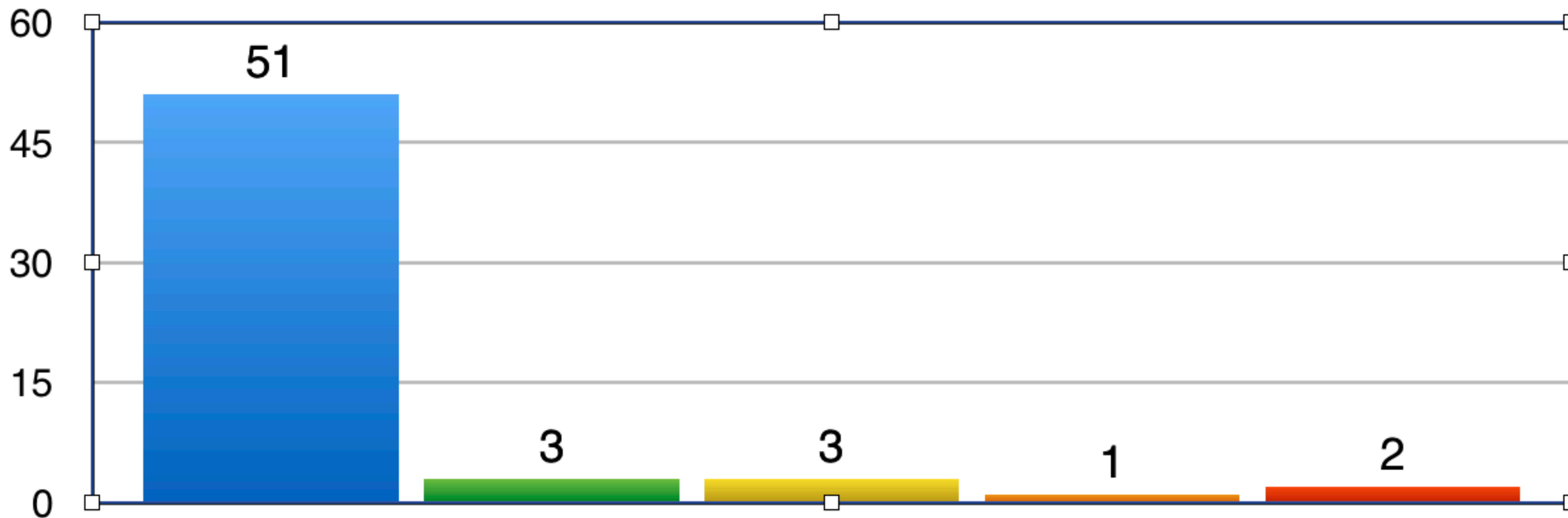
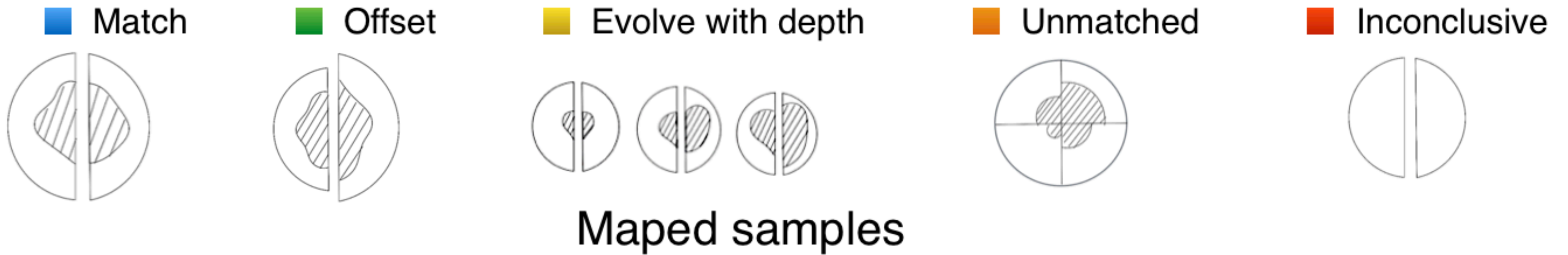


Change perspective!



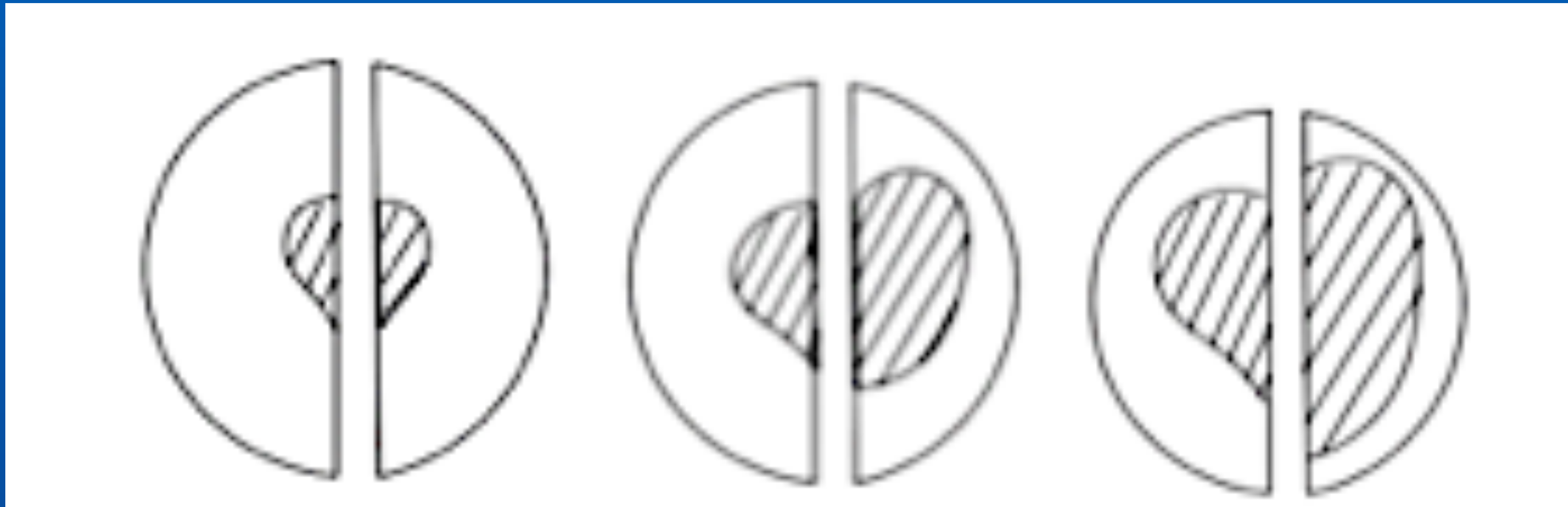


Results



Results

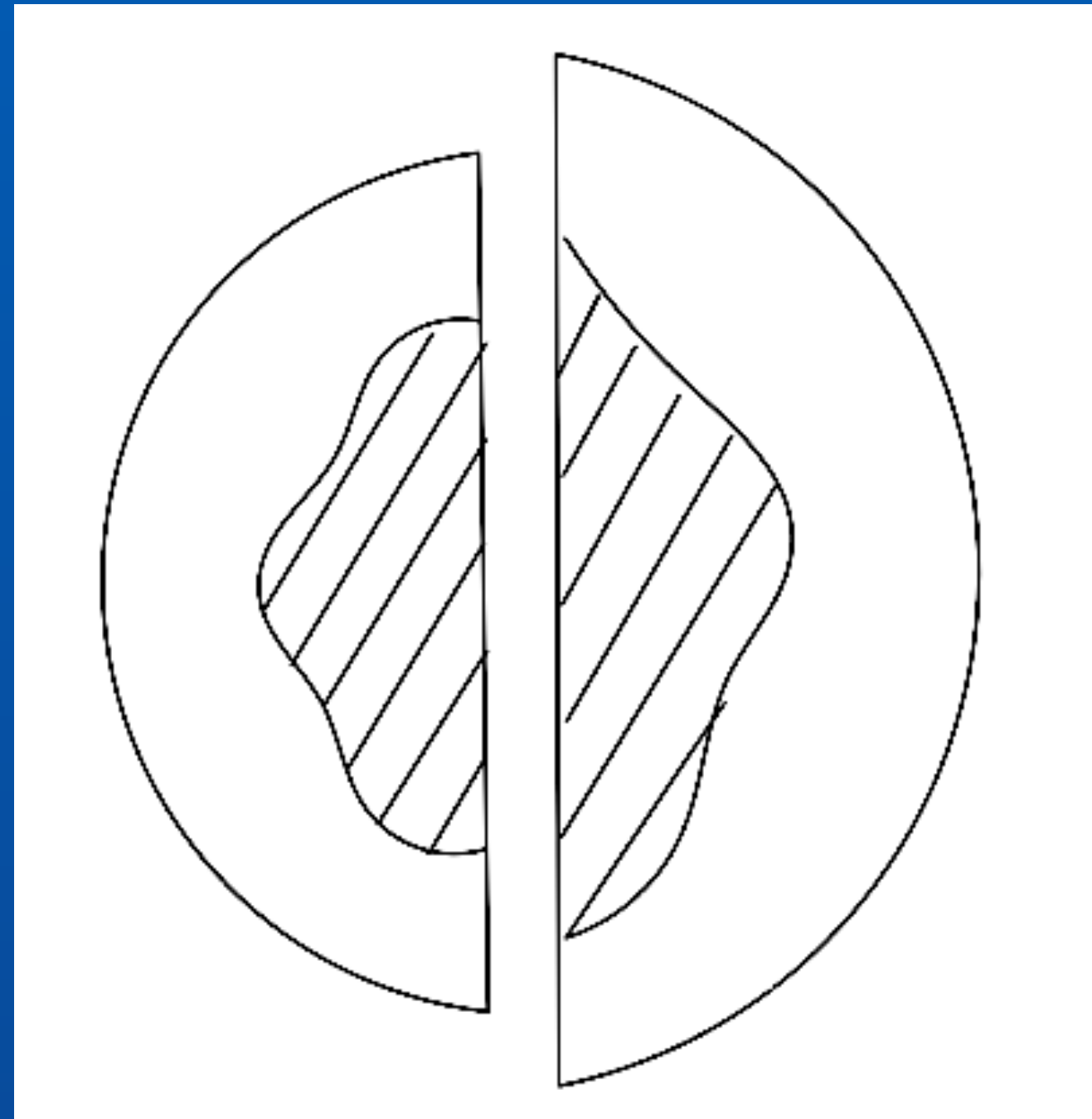
Errors



Evolving

Results

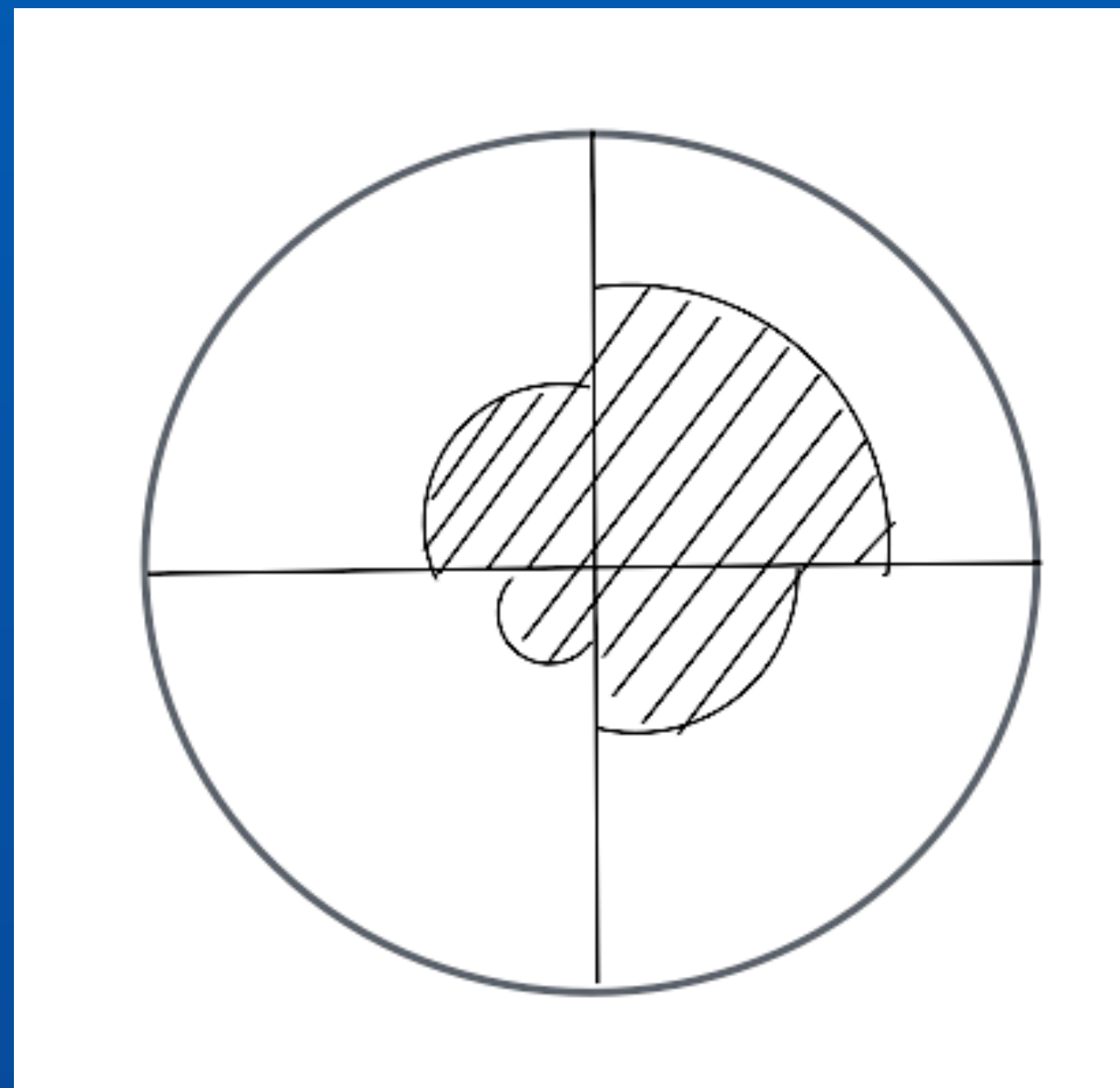
Errors



Offset

Results

Errors

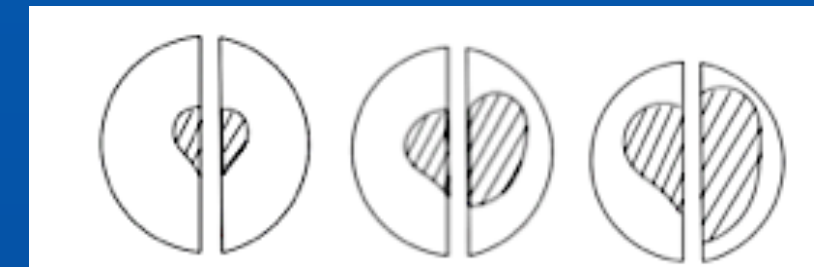


True Error

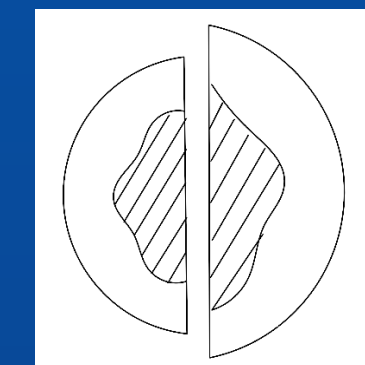
Results

-All Errors = 12%

-If evolving samples are considered normal
= 6.8%



-If offset samples are considered normal
= 1.7%



Conclusion

Keep angles constant once into the block and keep the depth between harvested sections consistent. Overly compressed tissue is still a problem (1.7- 12%) but not changing cutting angle is paramount. Let's give our surgeons the most valid slides possible.

Thank You

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