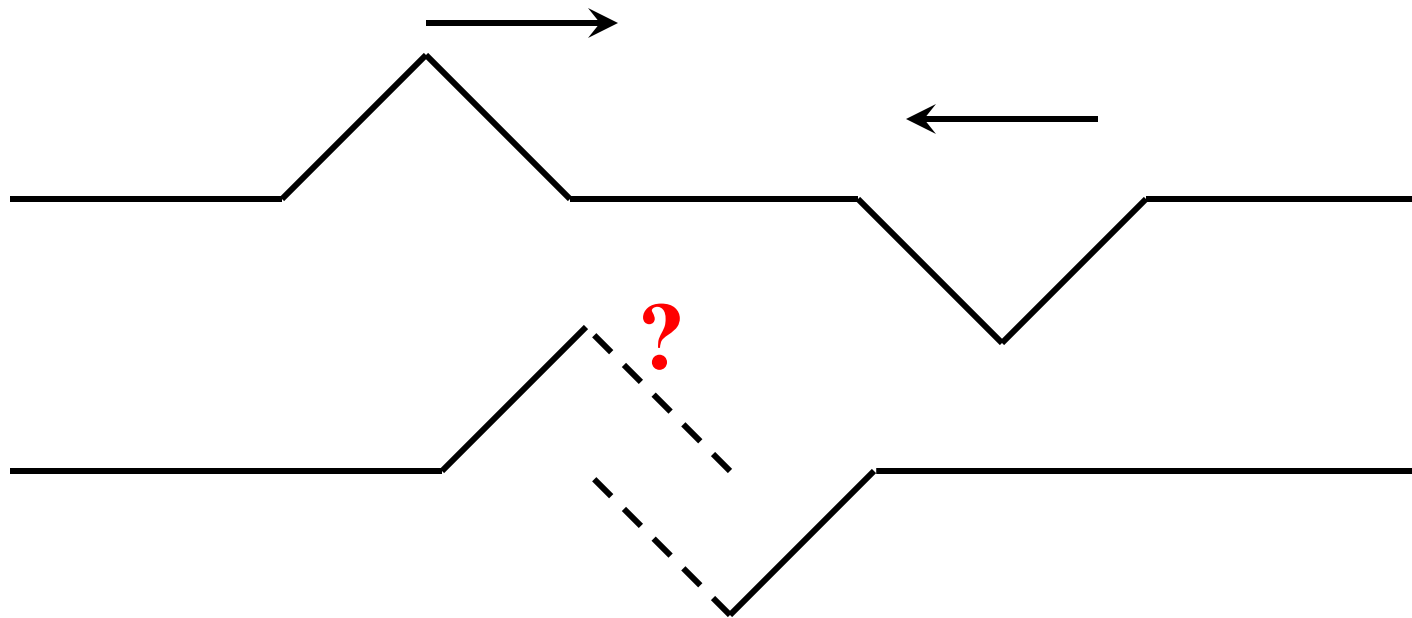


How do waves combine?

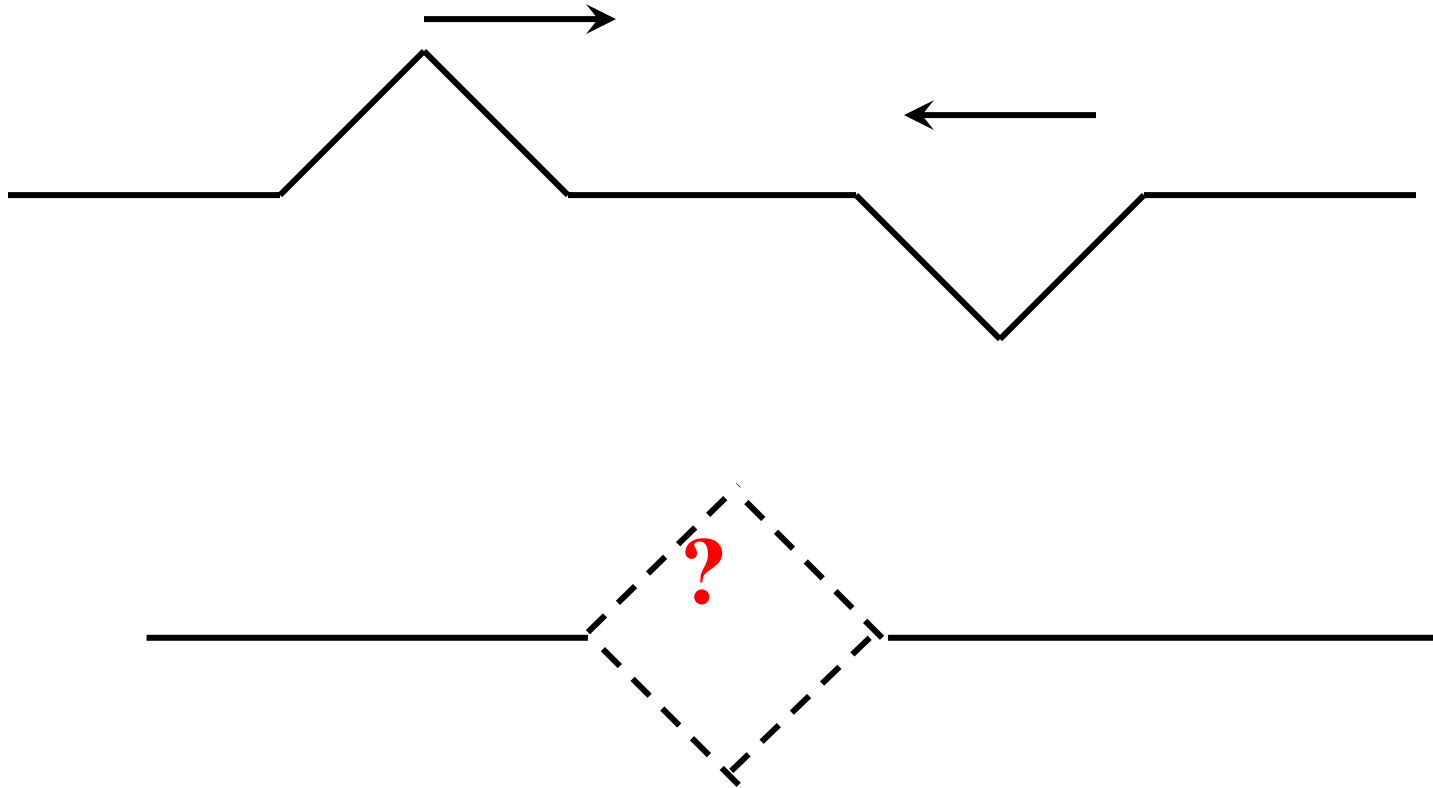


We know how one wave moves.

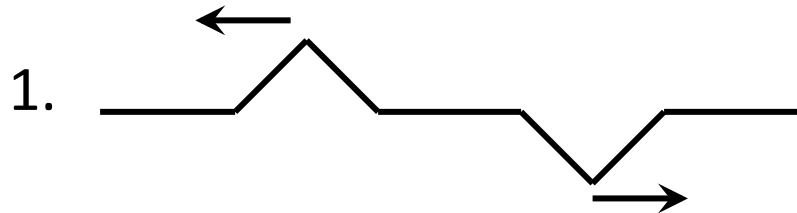
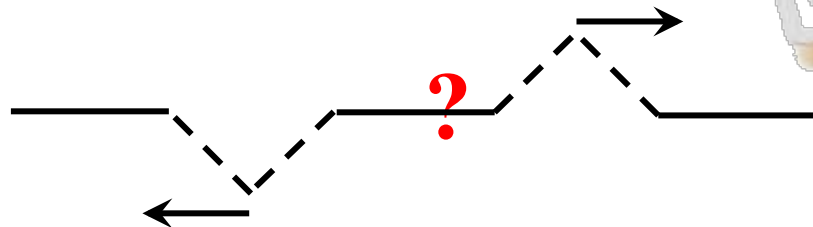
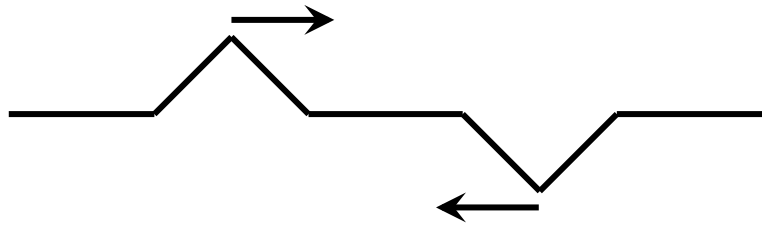
What happens when we get two waves on top of each other?



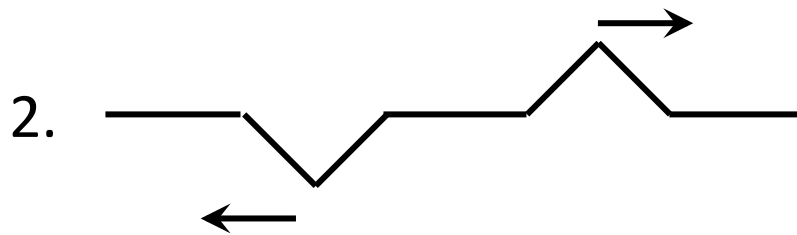
What happens
when they overlap perfectly?



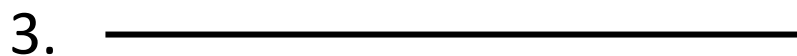
What happens when they would have passed each other if the other hadn't been there?



(Bounce off)

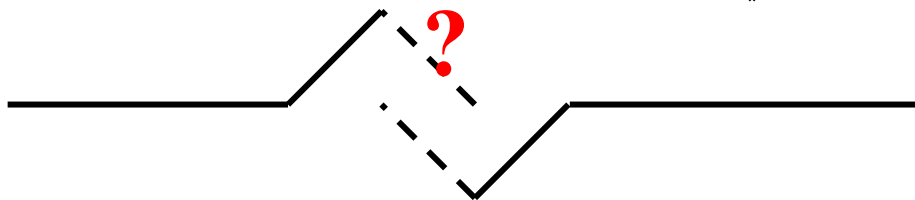
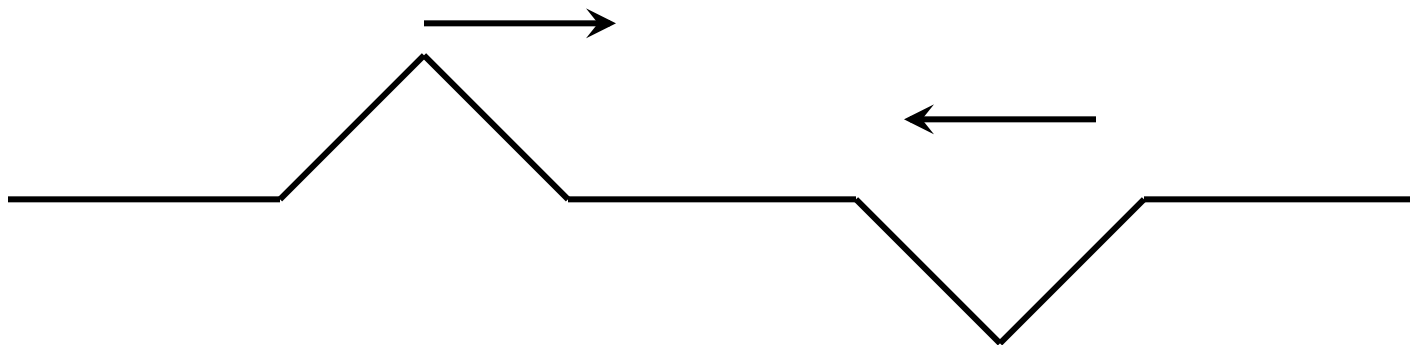


(Pass through)

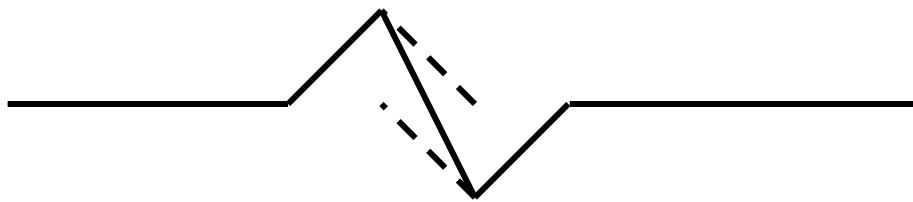


(Cancel)

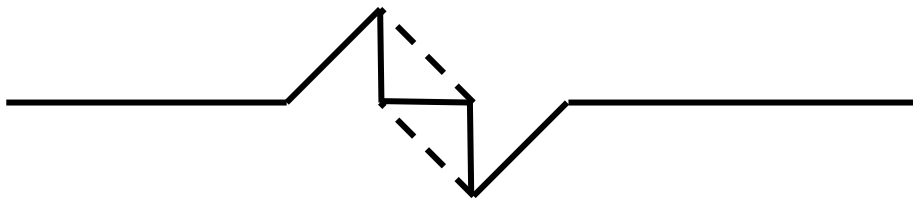
4. Other



1.



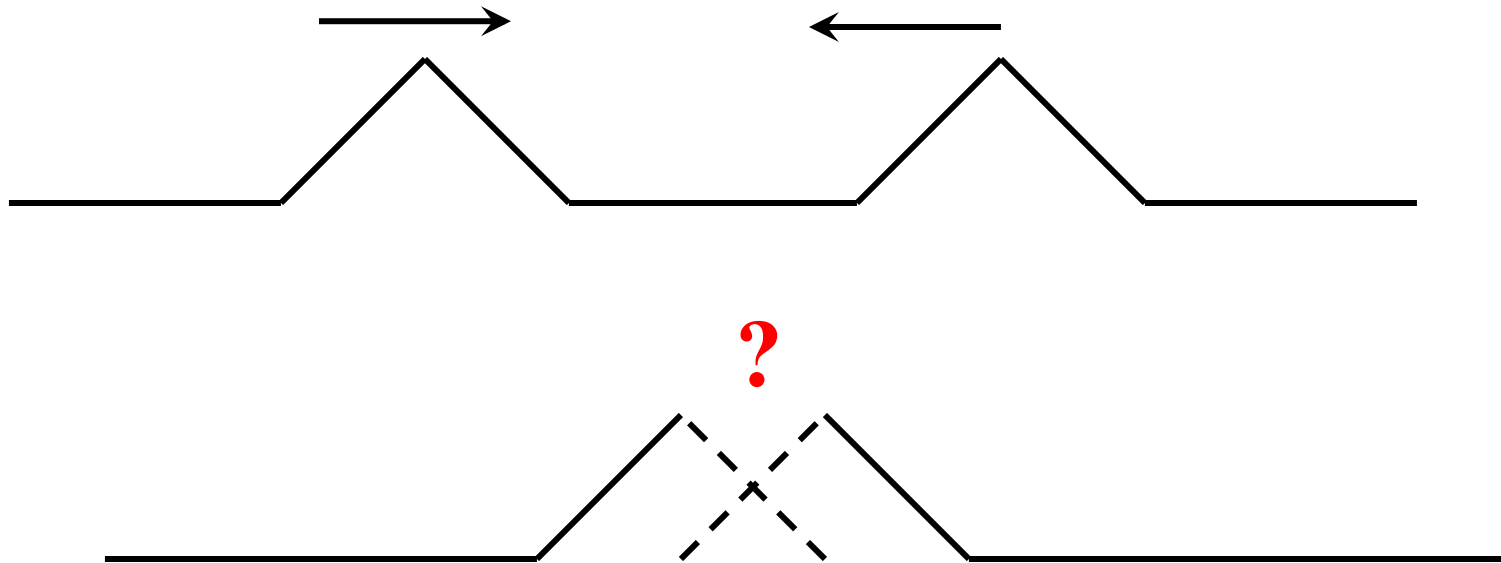
2.



3.

Other

How about on the same side?





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$$T1=T2=10.3\pm0.4\text{N}$$

$$L1=L2=4.3\pm0.2\text{N}$$

$$m_{\text{Spring}}=0.70\pm0.01\text{kg}$$



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