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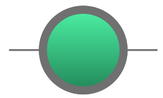
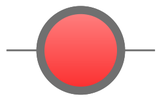
random	adder		
	remover		
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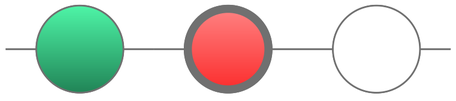
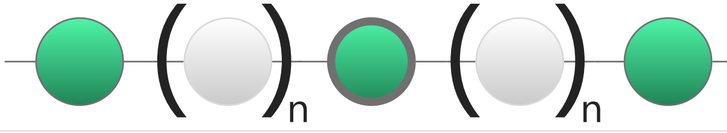
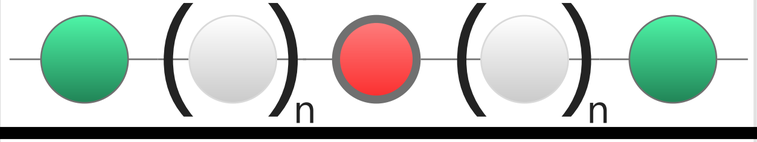
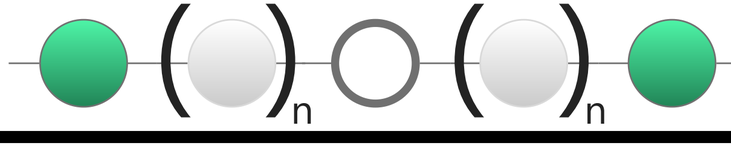
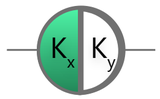
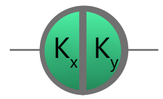
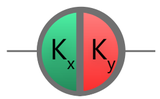
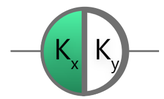
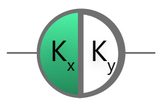
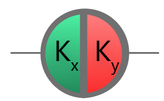
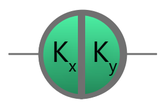
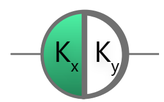
	remover		
cooperative	adder		
	remover		
bivalent completer	adder		
	remover		
total completer	adder		
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