



Mercedes Wyss @itrjwyss



Community Leader

Devs+502 & JDuchess Chapter Guatemala

Ex-JUG Member

Guatemala Java Users Group (GuateJUG)

Chief Technology Officer (CTO) at Produactivity

Full Stack Developer

Auth0 Ambassador &Oracle Groundbreaker Ambassador

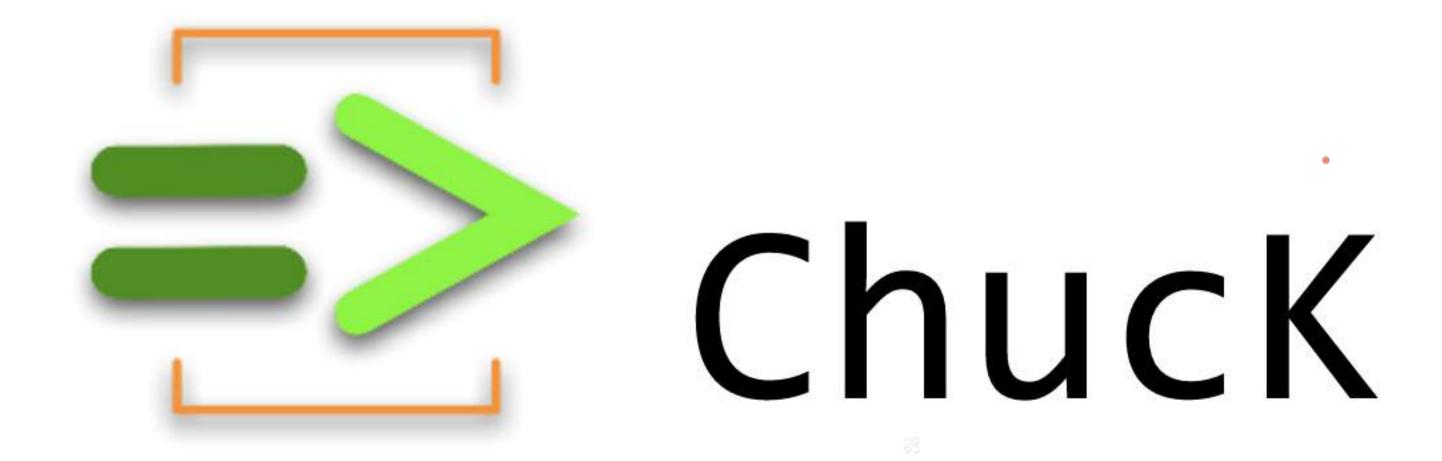












A programming language for sound and music

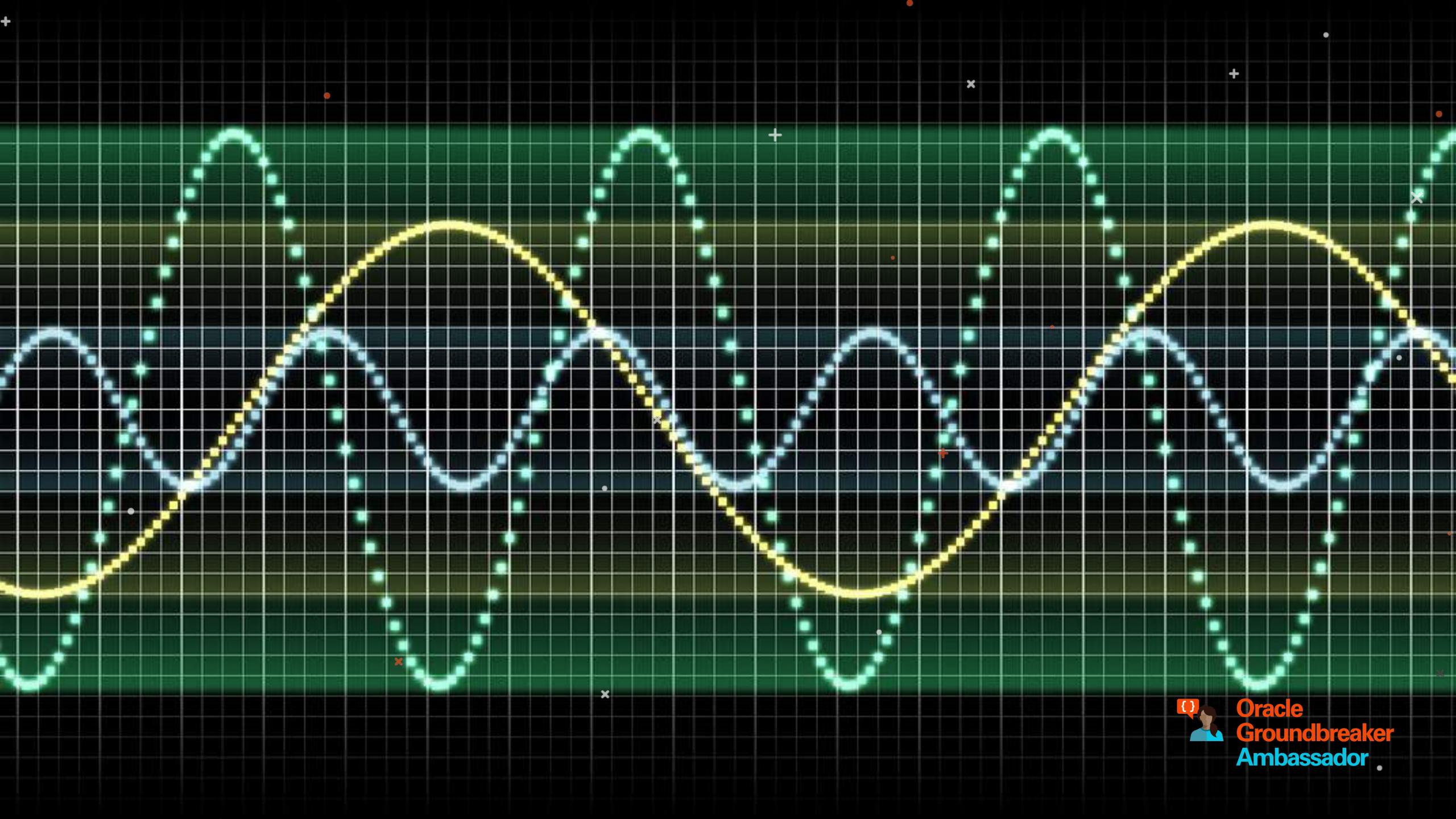


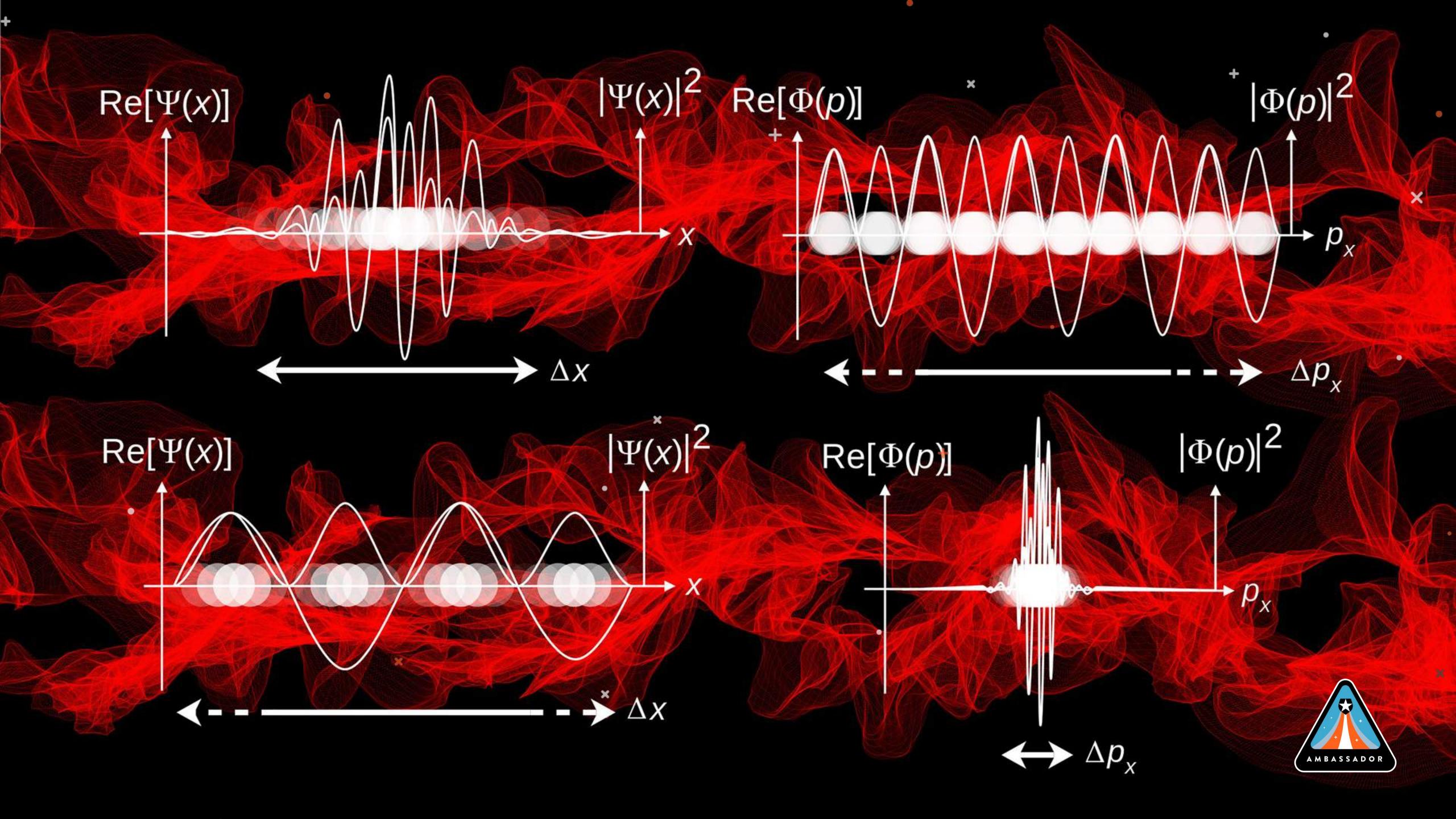
Oracle
Groundbreaker
Ambassador.

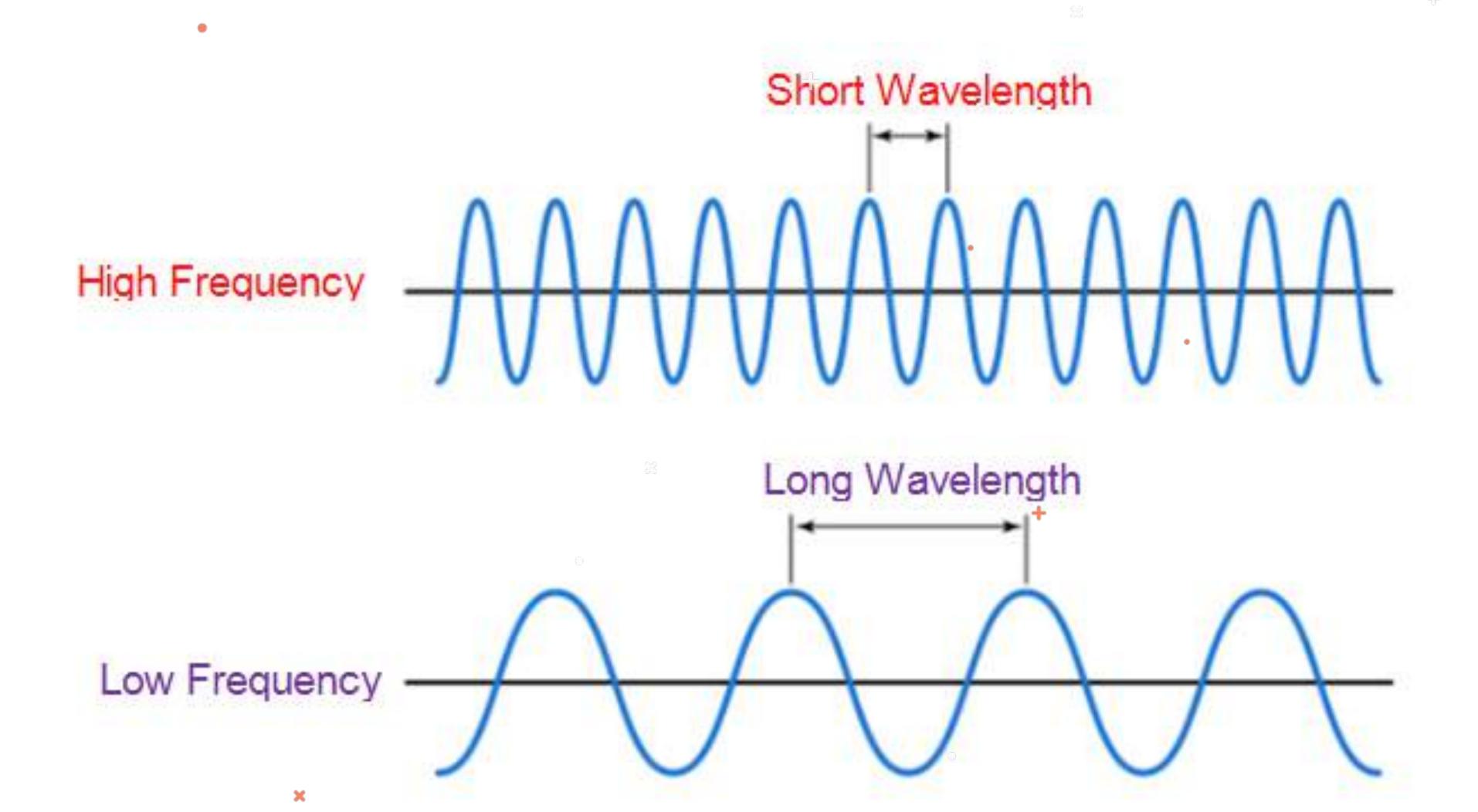
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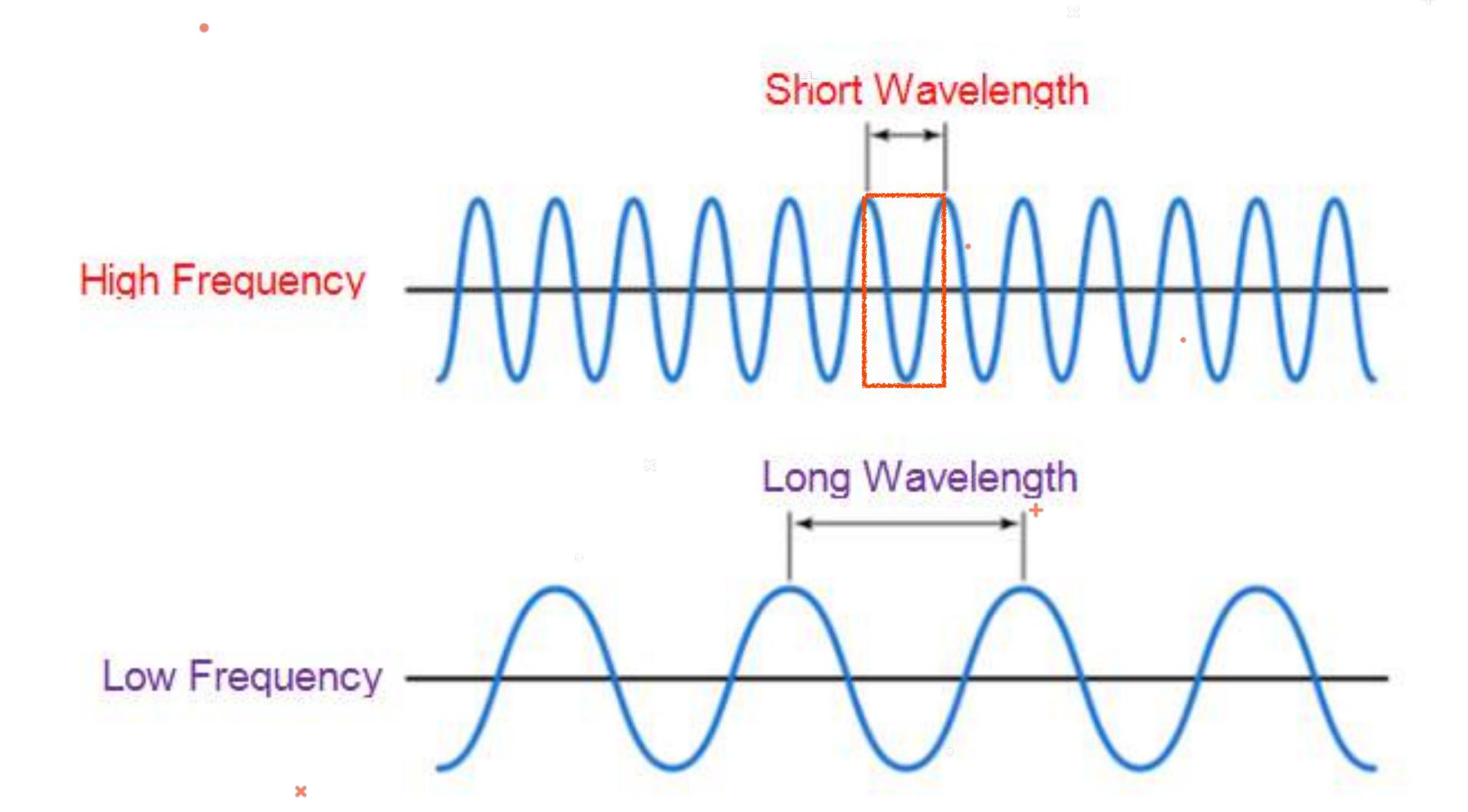




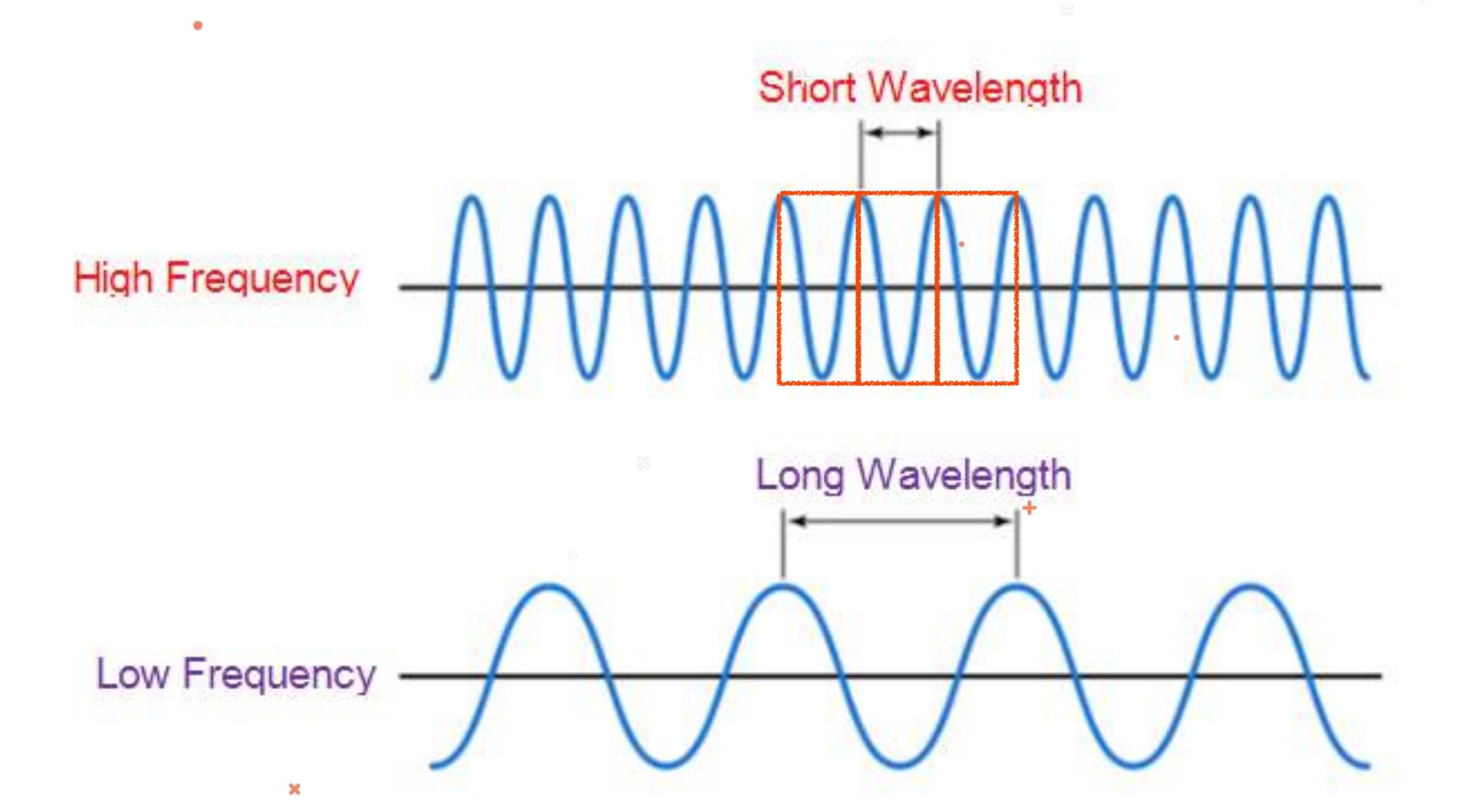




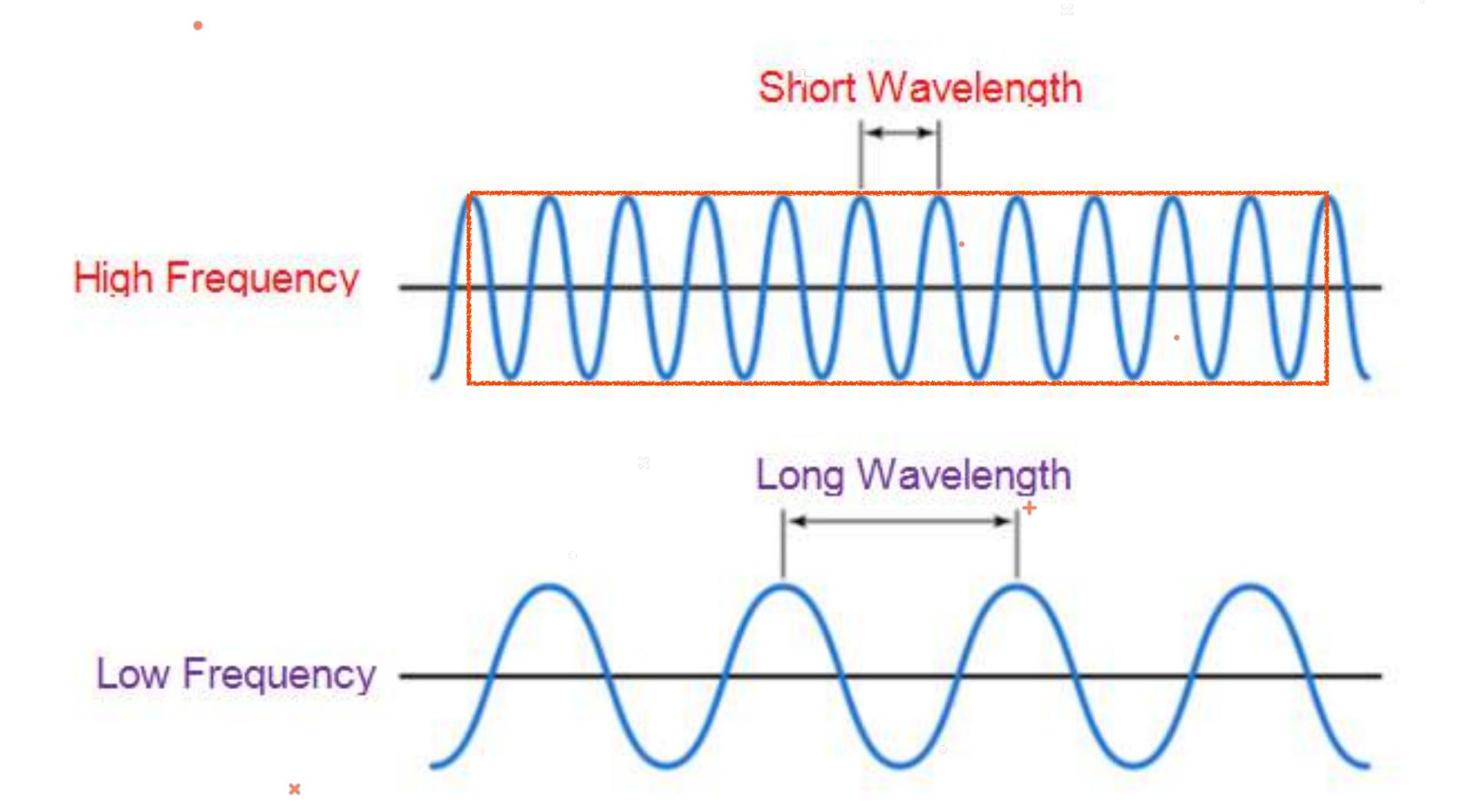




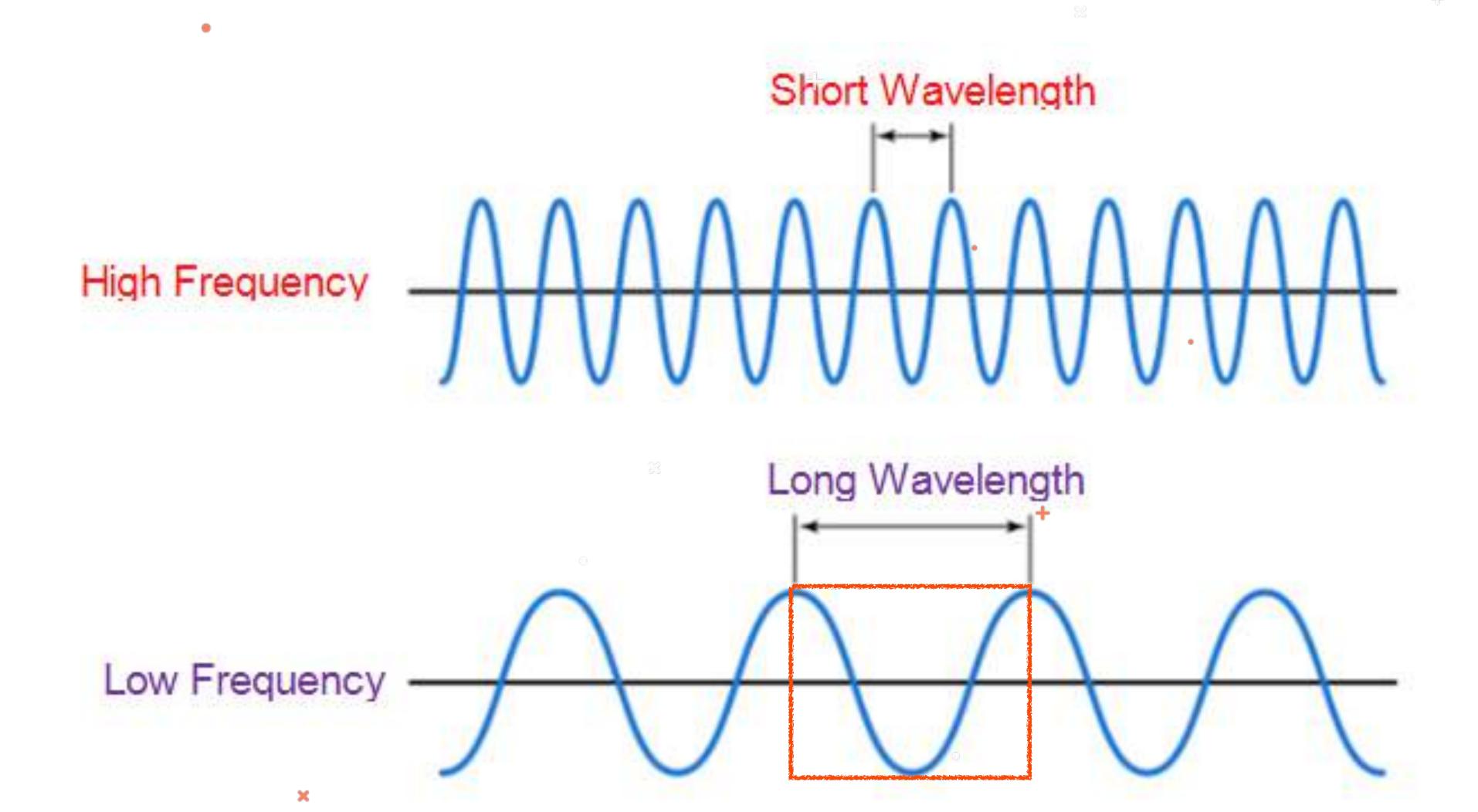




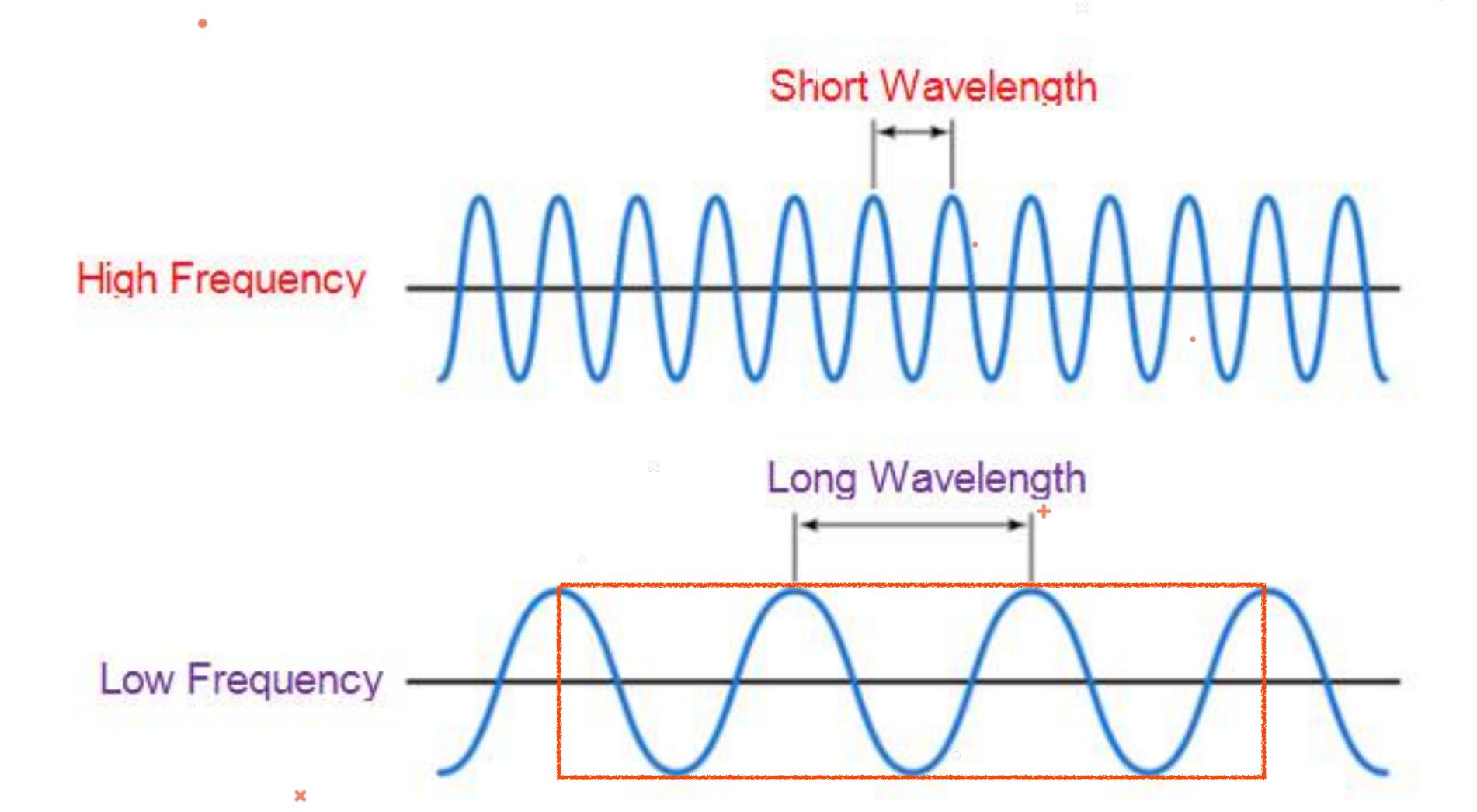






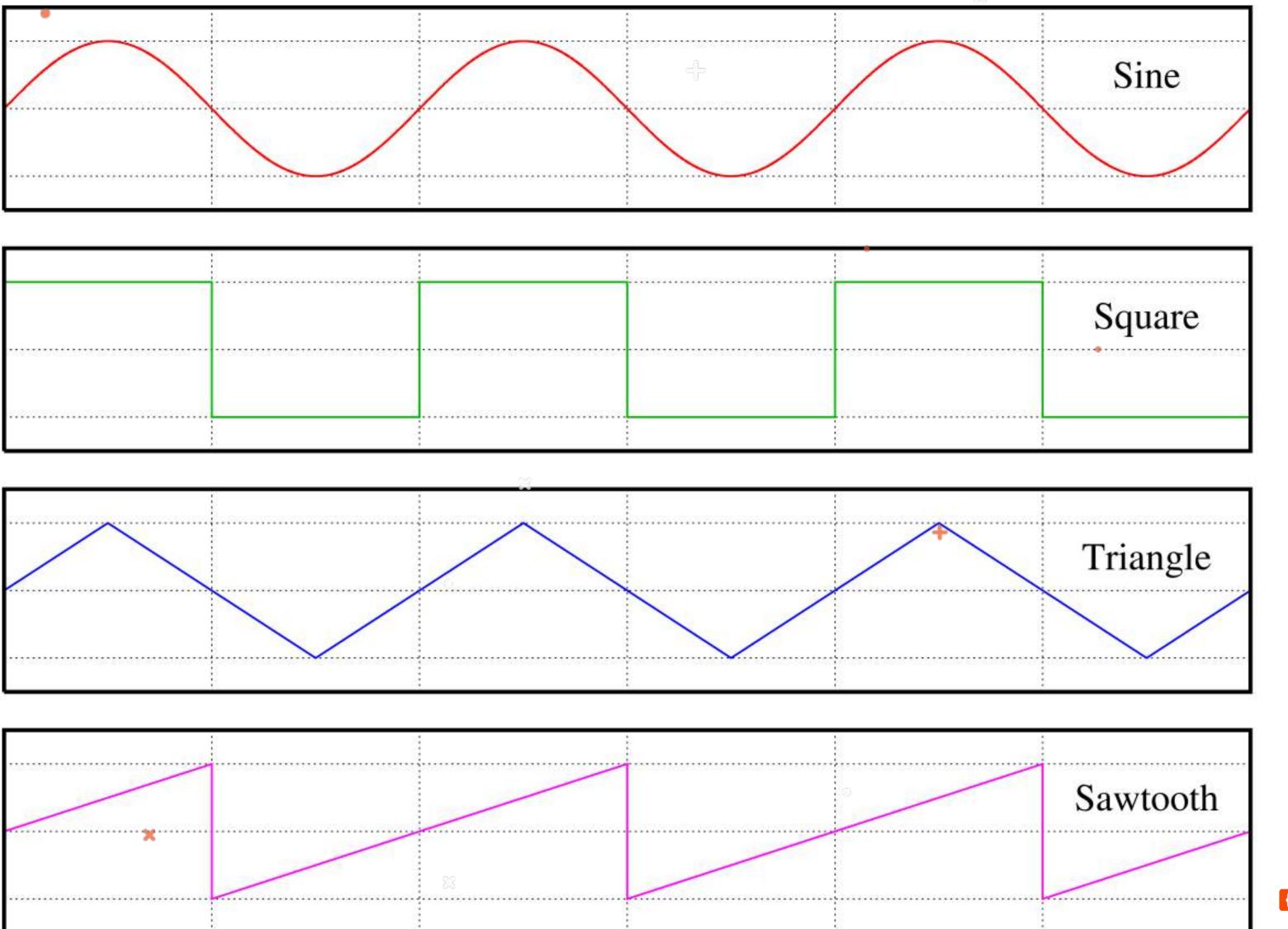




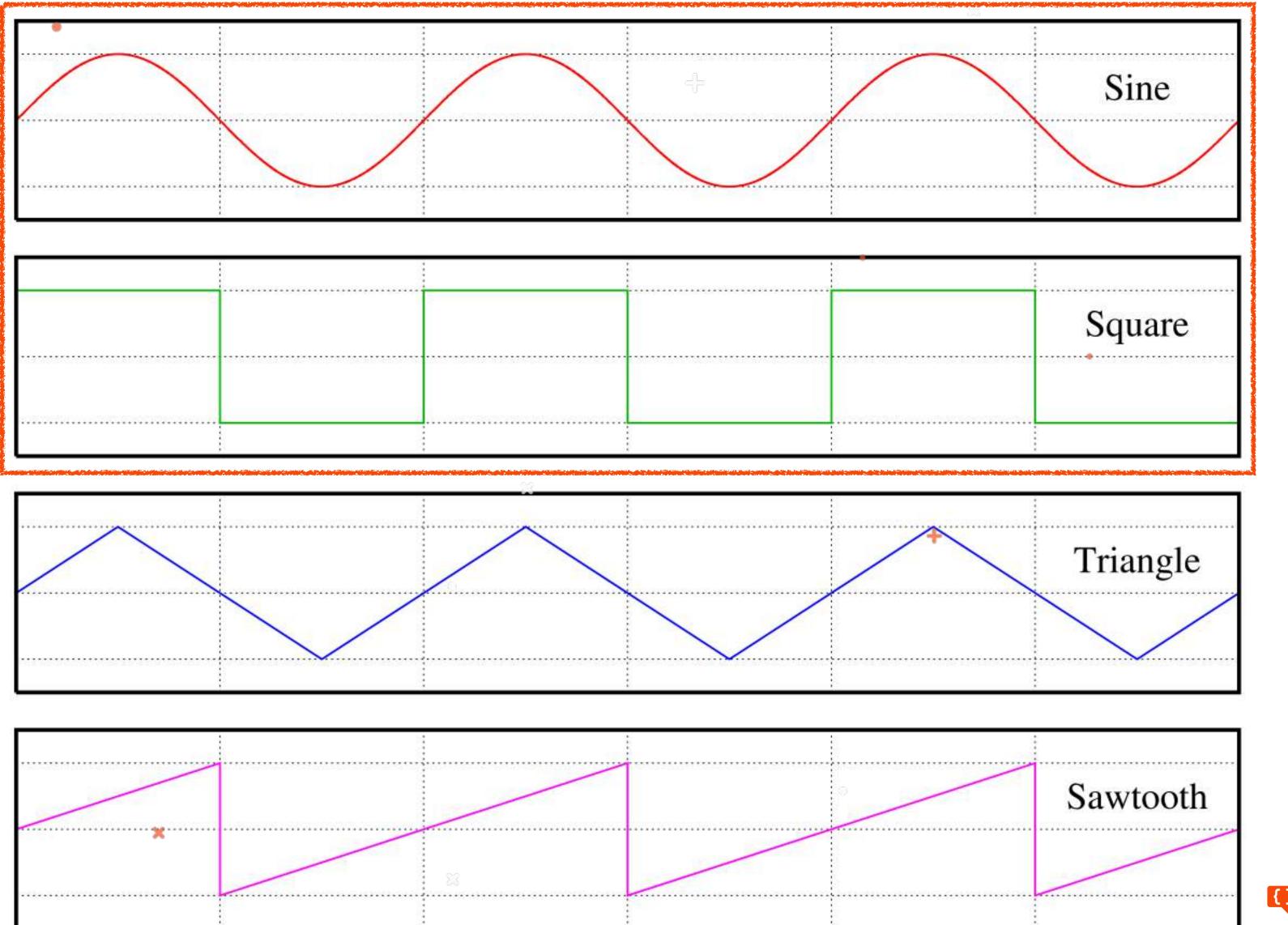






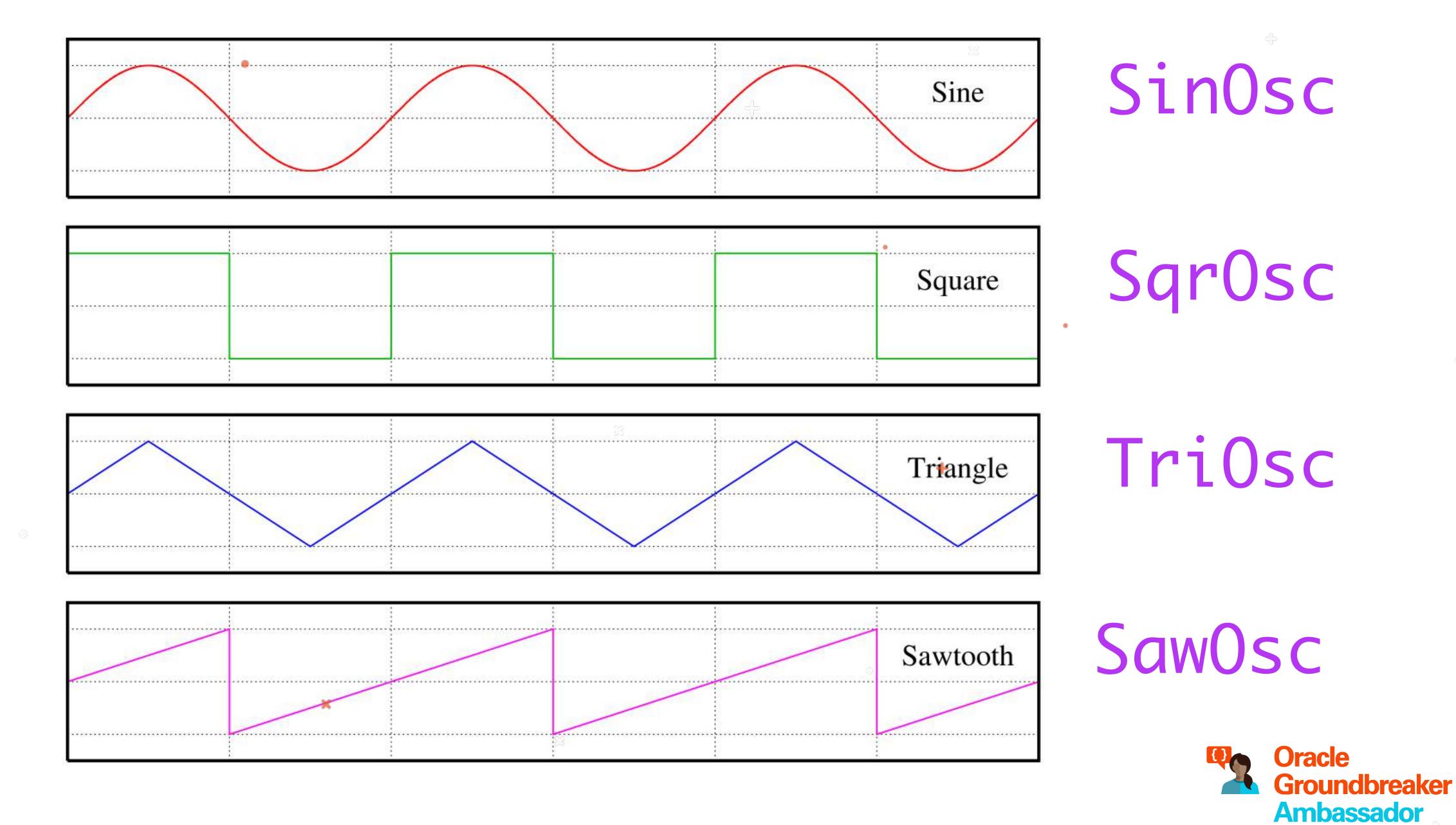


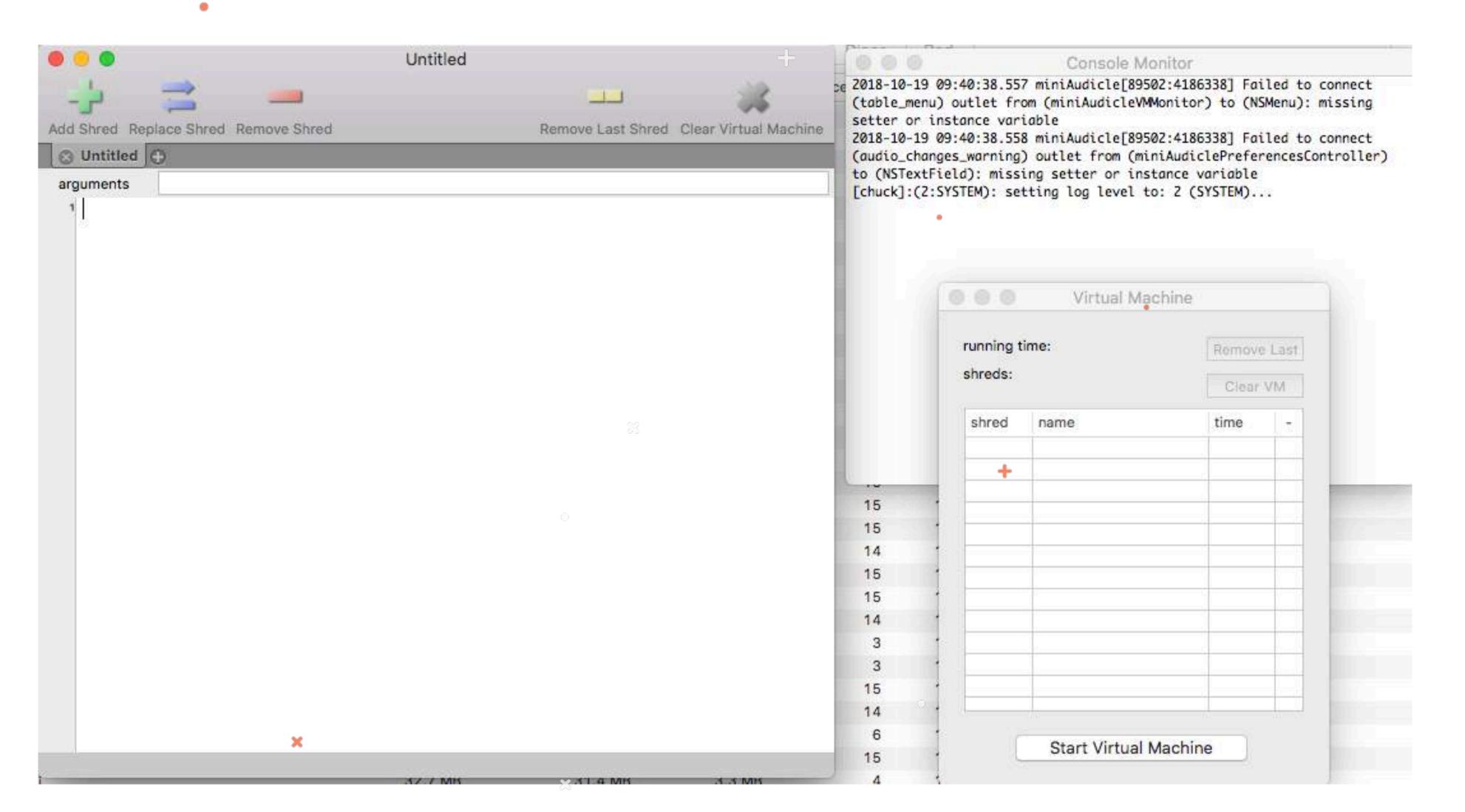














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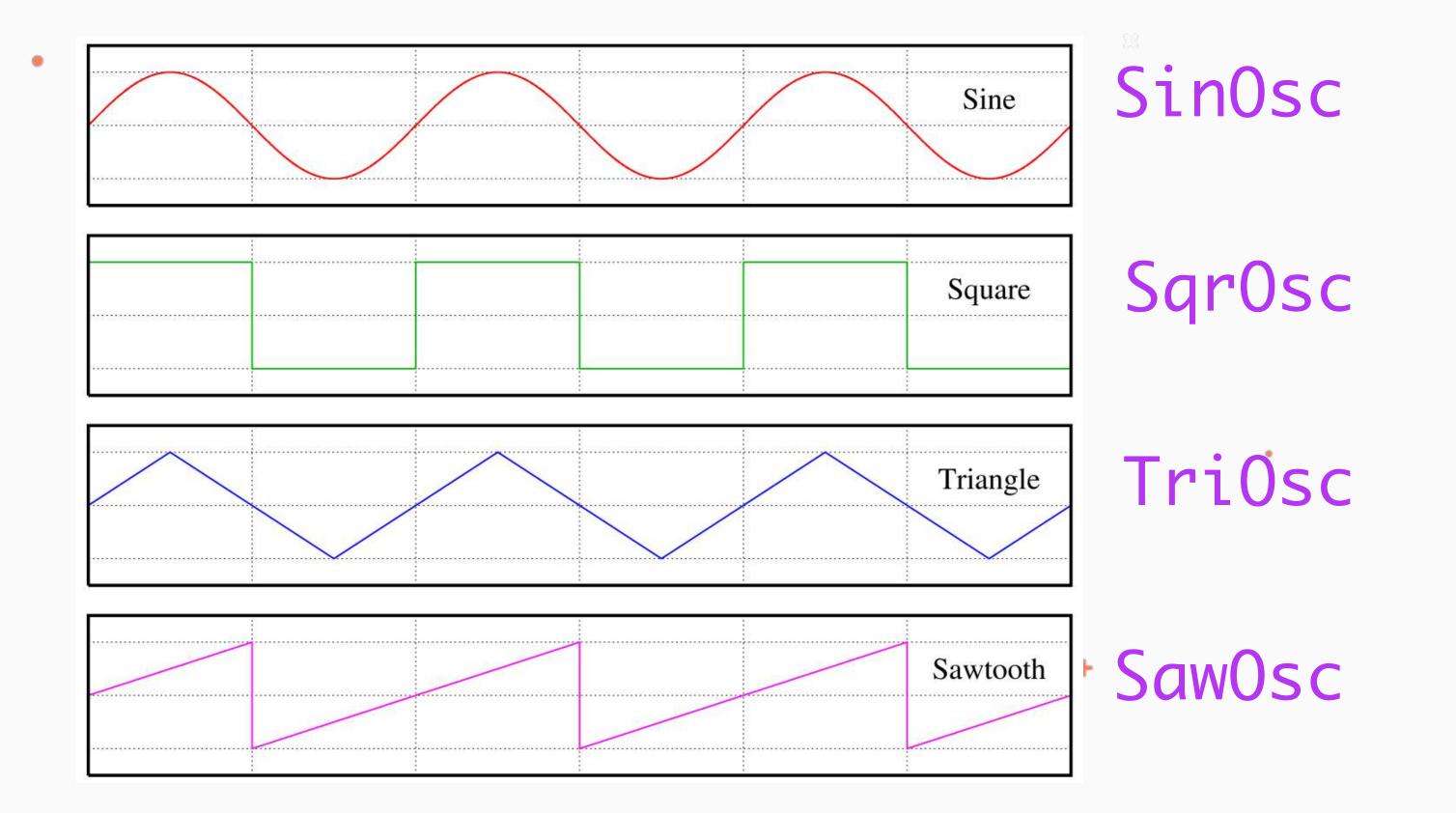
Console Monitor

2018-10-19 09:40:38.557 miniAudicle[89502:4186338] Failed to connect (table_menu) outlet from (miniAudicleVMMonitor) to (NSMenu): missing setter or instance variable

2018-10-19 09:40:38.558 miniAudicle[89502:4186338] Failed to connect (audio_changes_warning) outlet from (miniAudiclePreferencesController) to (NSTextField): missing setter or instance variable

[chuck]:(2:SYSTEM): setting log level to: 2 (SYSTEM)...





Some Practice

We will explore Chuck and all the Oscillators for have sounds with differente Waveforms



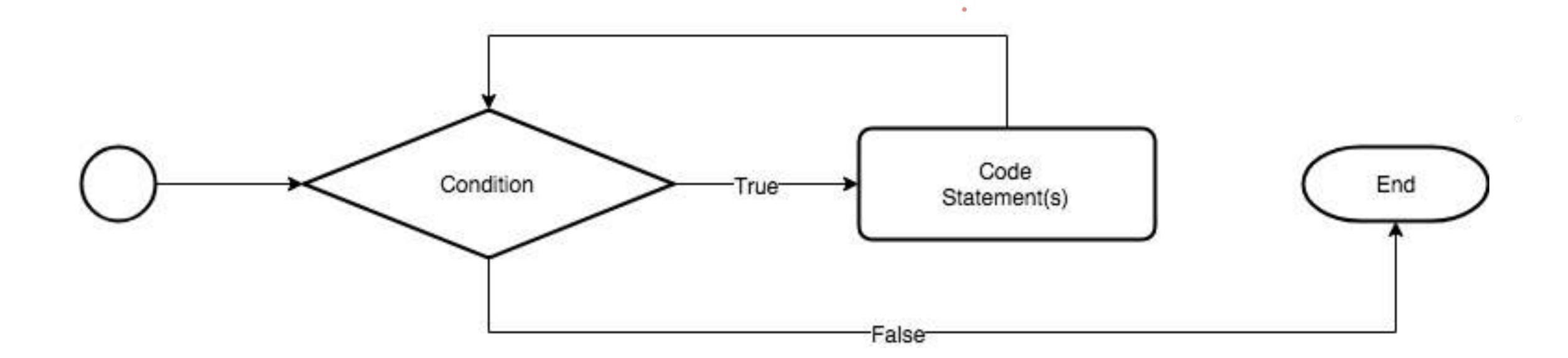


Repetitive structures, works for make a same actions.

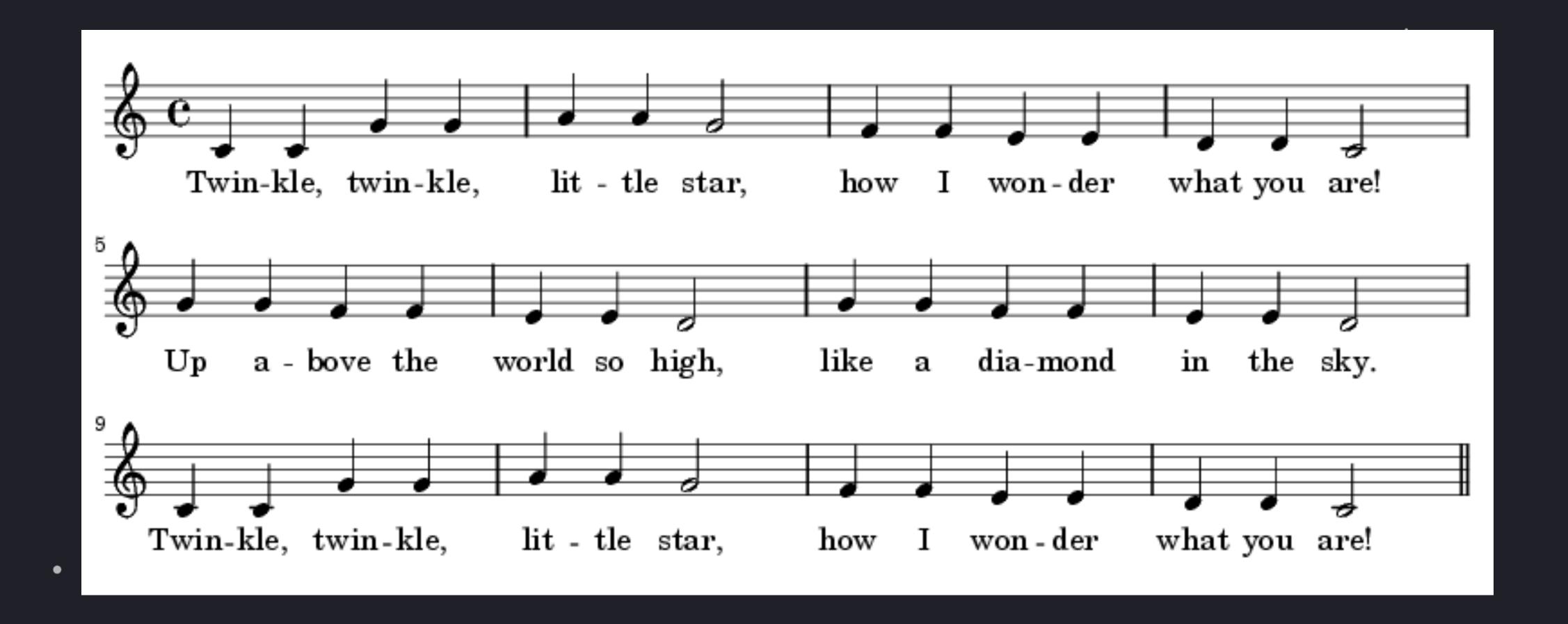




While





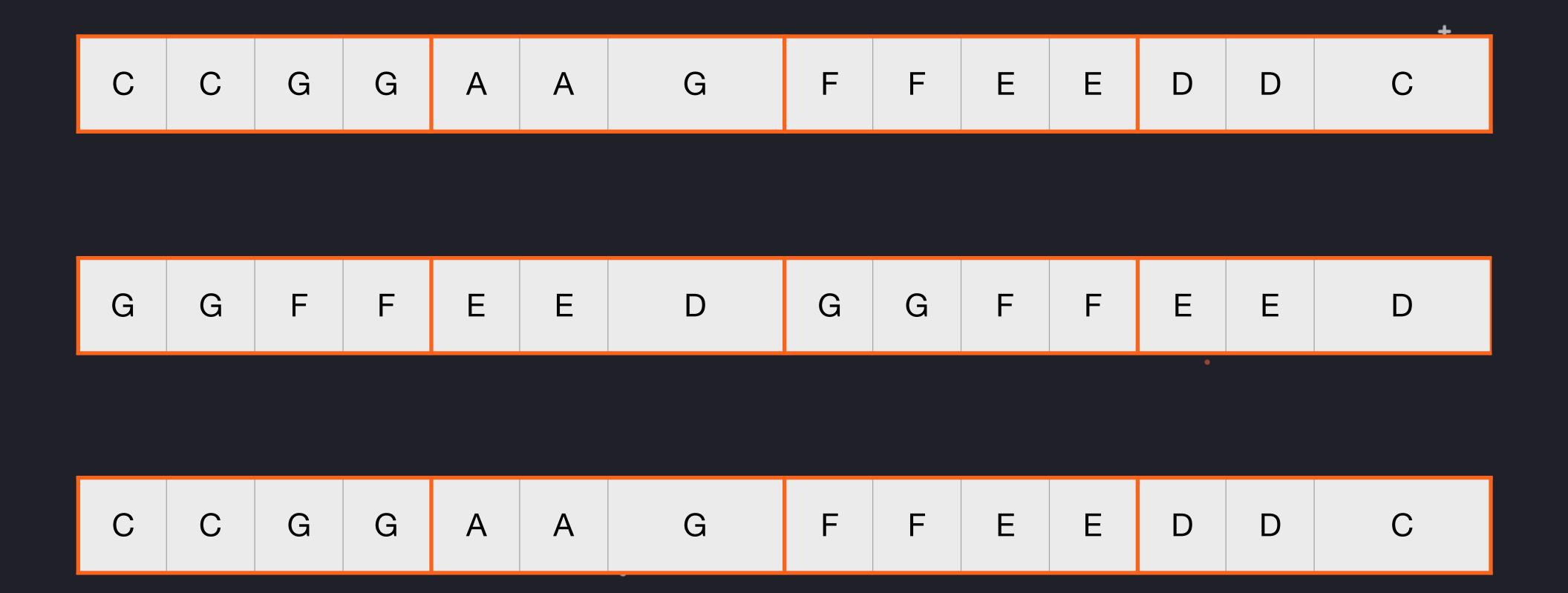


How play notes if we manage frequencies?





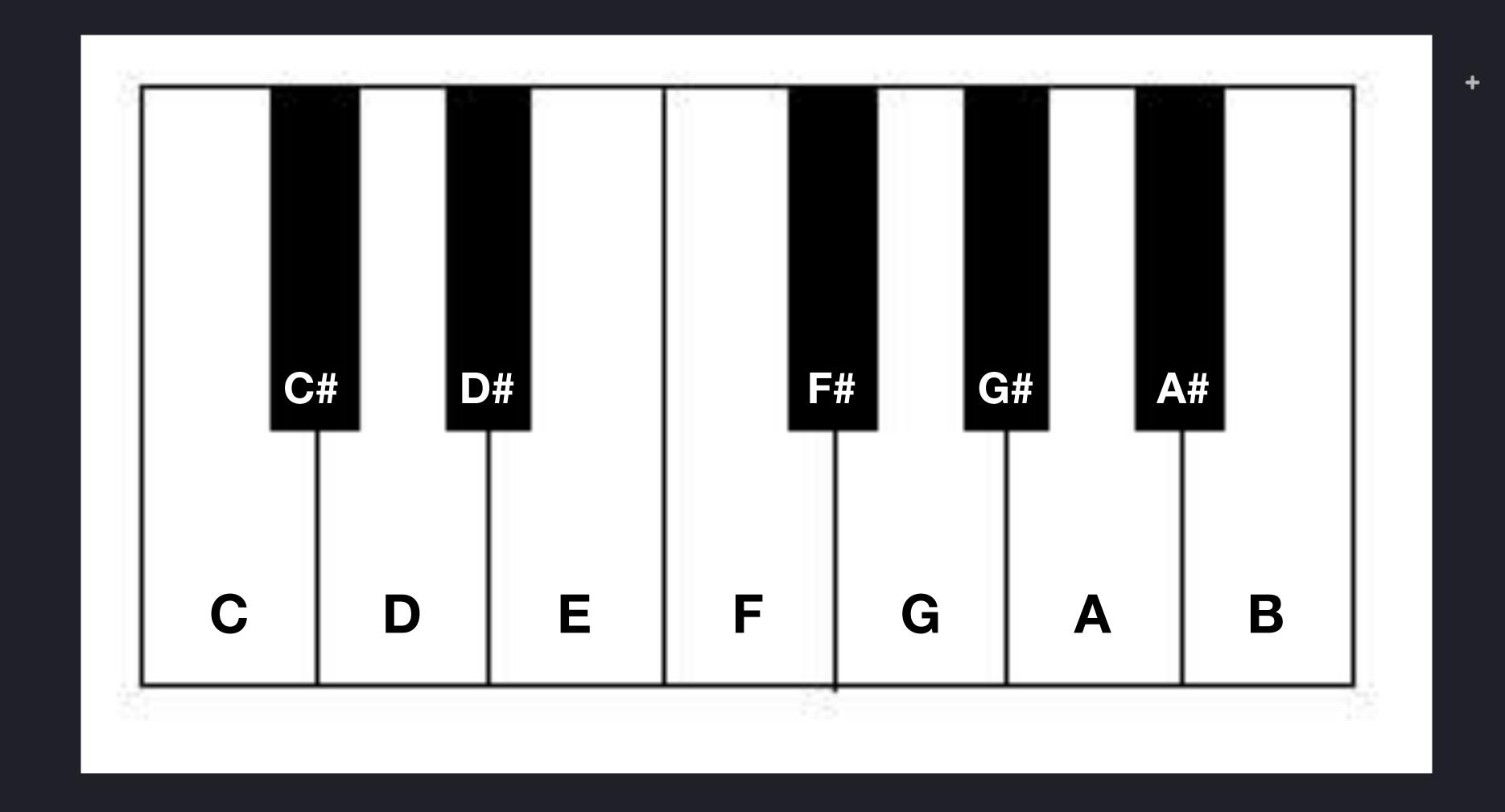
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Twinkle:

How play notes if we manage frequencies?



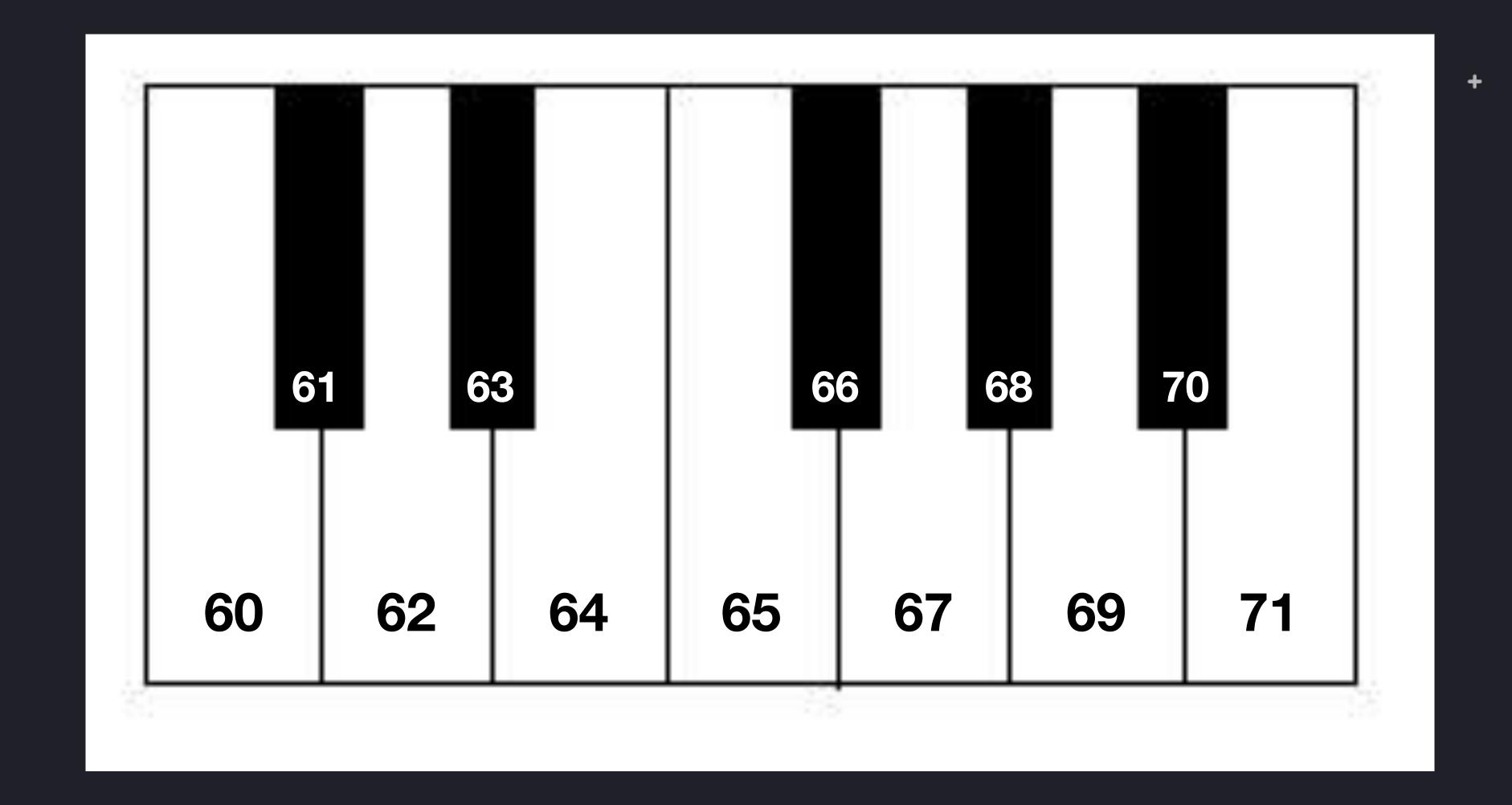


How play notes if we manage frequencies?









MIDI format use numbers for represent each note

MIDI Notes



С	С	G	G	Α	Α	G	F	F	Е	Е	D	D	С
60	60	67	67	69	69	67	65	65	64	64	62	62	60
G	G	F	F	Ε	Е	D	G	G	F	F	Ε	Е	D
67	67	65	65	64	64	62	67	67	65	65	64	64	62
						.							
С	С	G	G	Α	Α	G	F	F	Е	Е	D	D	С
60	60	67	67	69	69	67	65	65	64	64	62	62	60

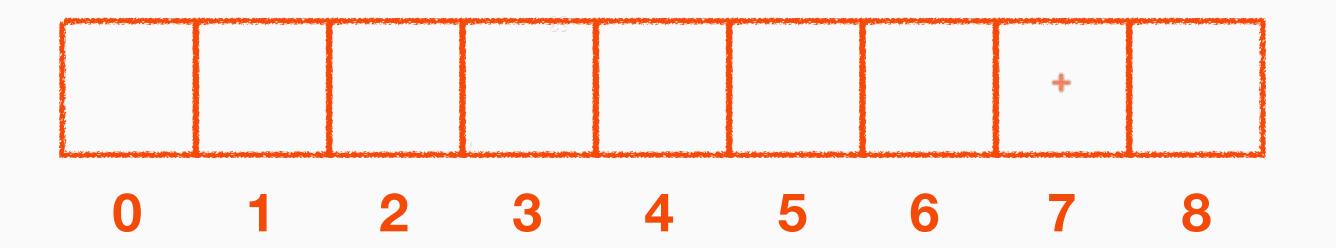
Twinkle

We will use MIDI notes



Arrays

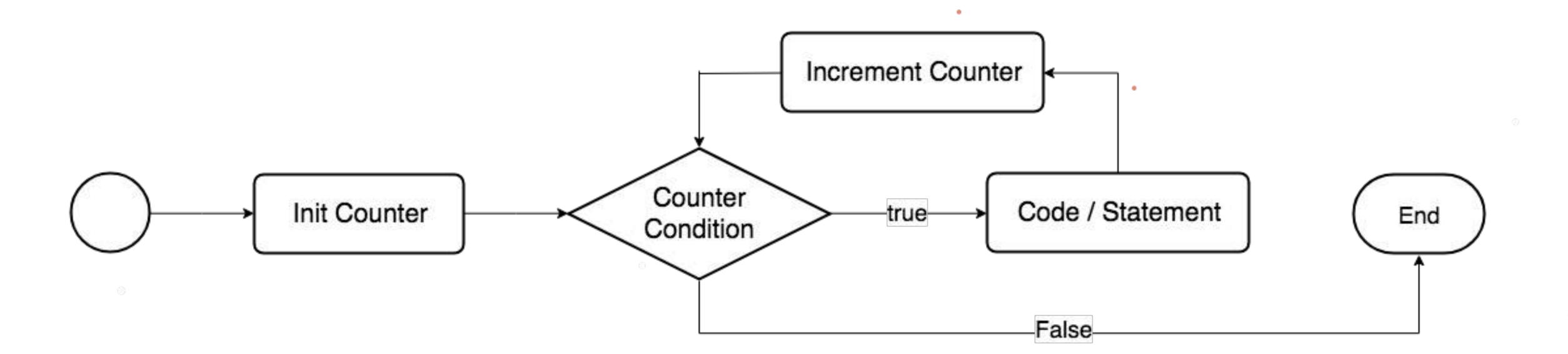
Structures for save one data type information
Has N positions



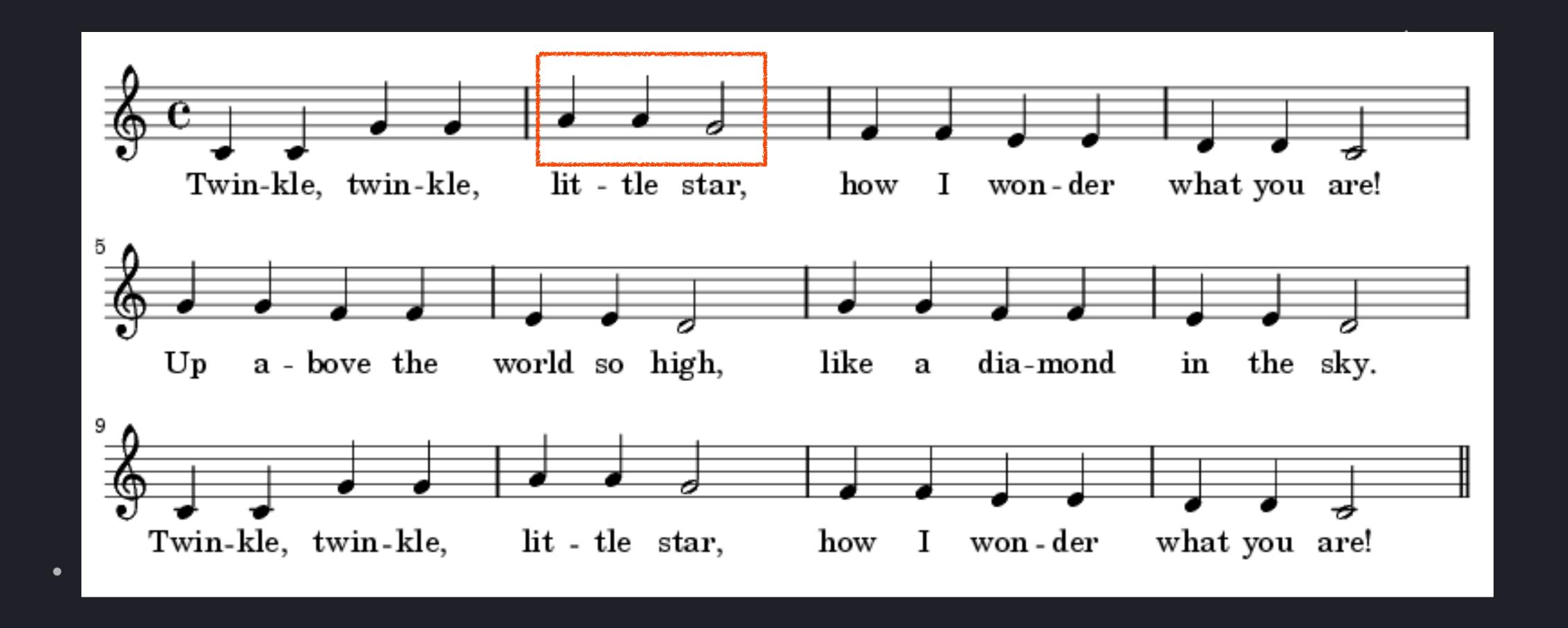
Array with N = 9



for loop





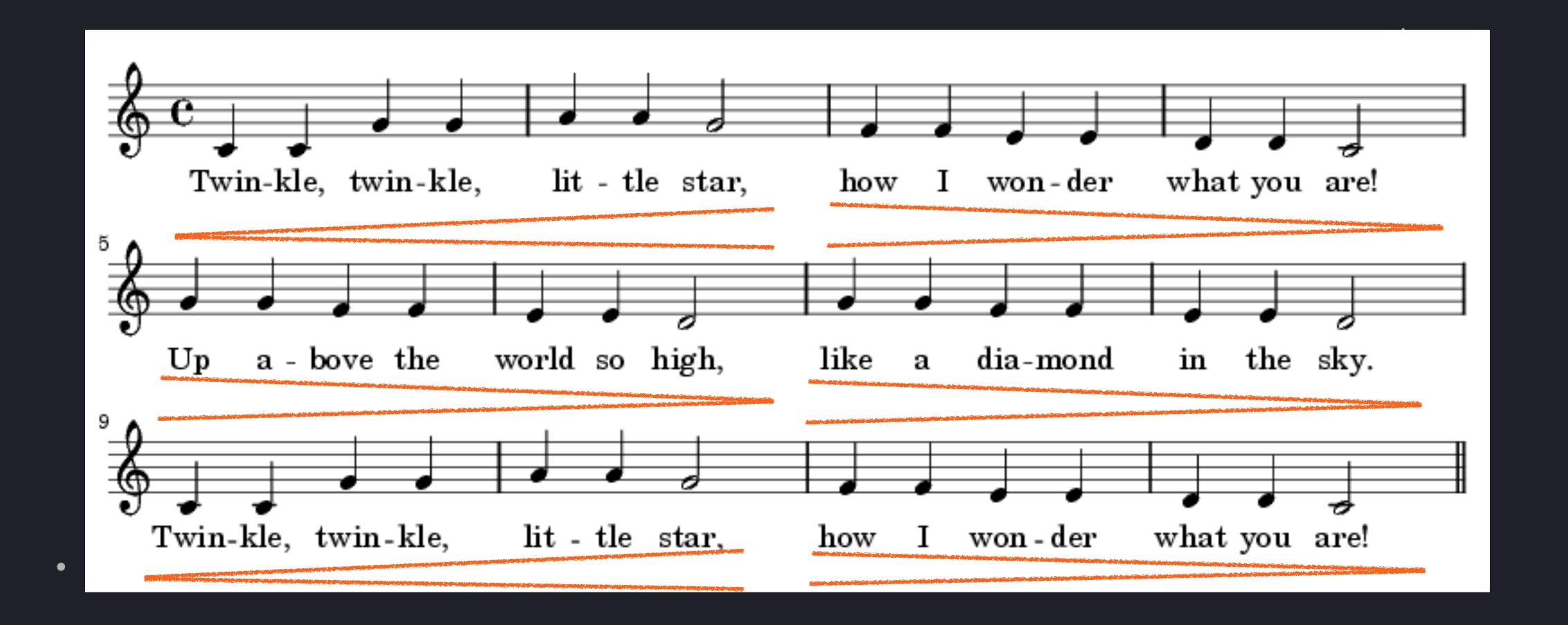


What happend with the duration of notes, how handle it?





X



Twinkle

How we can handle dynamics? Play some notes louder than others



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