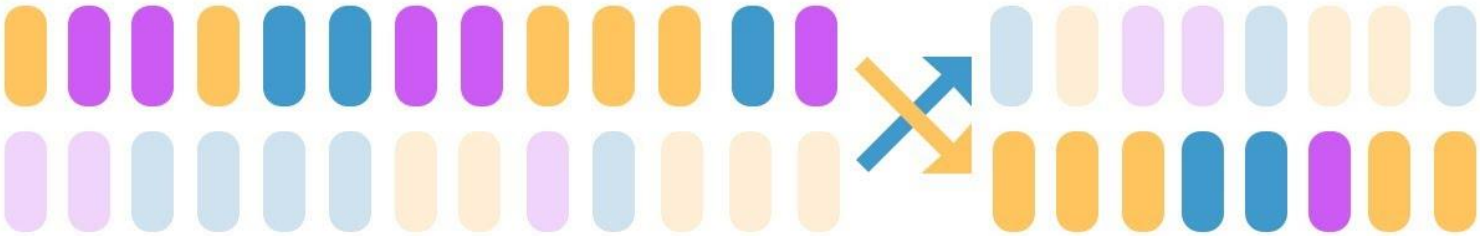
GENETIC ALGORITHMS



Functie	Input	Output
CreateRhythm	Syncopation, beatRepetition, density, firstBeat, randomFill	timestamps, sixteenths, instruments, instrumentnames, durations, velocities
CreateEvents	index (eventlist), timestamps, sixteenths, instruments, instrumentnames, durations, velocities	Rhythms (list with list with dict with all rhytms with events)
playSequencer()	rhythmIndex, rhythms	"Plays beat"
rateNewRhythm()	No input , Simultaneous thread with playSequencer()	Ratings
NaturalSelection()	Ratings	SelectedRhythms
MutationProcess()	selectedRhythms	Syncopation, beatRepetition, density, firstBeat, randomFill
storeToMidi()	userInput to store to midi	MIDI File