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#           python code
#
#           script_name: Project B
#
#           author: Sandy Flynn
#
#           description: includes criterion for project B
#

from earsketch import *
from random import *

init()
setTempo(randint(102, 160))

beatString = '0000-00-0+0+0+++

makeBeat(OS_CLAP01, 3, 1, beatString)
print beatString

beatString = reverseString(beatString)
makeBeat(OS_CLAP02, 3, 2, beatString)
print beatString

beatString = shuffleString(beatString)
makeBeat(OS_CLAP03, 3, 3, beatString)
print beatString

beatString = replaceString(beatString, '+', '-')
makeBeat(OS_CLAP04, 3, 4, beatString)
print beatString

beats = [DUBSTEP_LEAD_013, HIPHOP_MUTED_GUITAR_002, DUBSTEP_LEAD_014,
HIPHOP_MUTED_GUITAR_004, DUBSTEP_LEAD_019, HIPHOP_MUTED_GUITAR_006,
HIPHOP_MUTED_GUITAR_007]
for measure in range(1, 13) :
    makeBeat(beats, 2, measure, '0--01-2-3++02122')

sound = HOUSE_DEEP_PIANO_001

fitMedia(sound, 1, 1, 13)

setEffect(1, DISTORTION, DISTO_GAIN, 0, 1, 10, 5)
setEffect(1, DISTORTION, DISTO_GAIN, 0, 5, 35, 13)

soundFolder = DUBDRUM

for measure in range(5, 13) :
    sound = selectRandomFile(soundFolder)
    fitMedia(sound, 4, measure, measure+1)

soundFolder = DUBSFX

for measure in range(13, 17) :
    sound = selectRandomFile(soundFolder)
    fitMedia(sound, 5, measure, measure+1)

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sound = HOUSE_DEEP_PIANO_001

fitMedia(sound, 6, 17, 21)

setEffect(6, DISTORTION, DISTO_GAIN, 30, 17, 0, 18)

soundFolder = DUBSFx

for measure in range(21, 22) :
    sound = selectRandomFile(soundFolder)
    fitMedia(sound, 7, measure, measure+1)

finish()
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