

Guidance


Pipeline

Listen to S1


Mental Manipulation

Comparing with S2

Response



2-second
silence



2-second
Reaction

The diagram illustrates the experimental pipeline. It shows two musical sequences, S1 and S2, each consisting of three eighth notes on a treble clef staff. S1 is followed by a 2-second silence, and S2 is followed by a 2-second reaction period. The sequences are identical, representing the 'same' condition (J).

J: same (after manipulation);
K: different

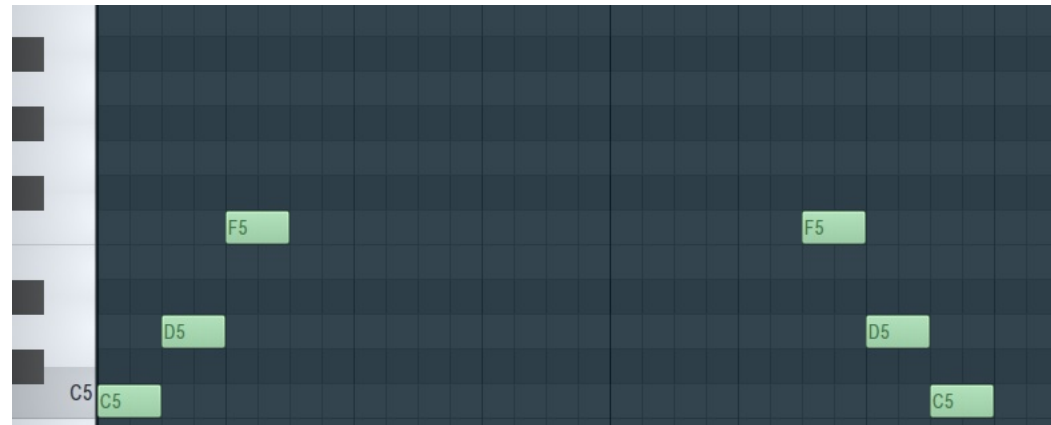
Conditions

- Different mental manipulation
- Simple Task:
 - Delay period: Only replay
 - Reaction: Direct comparison



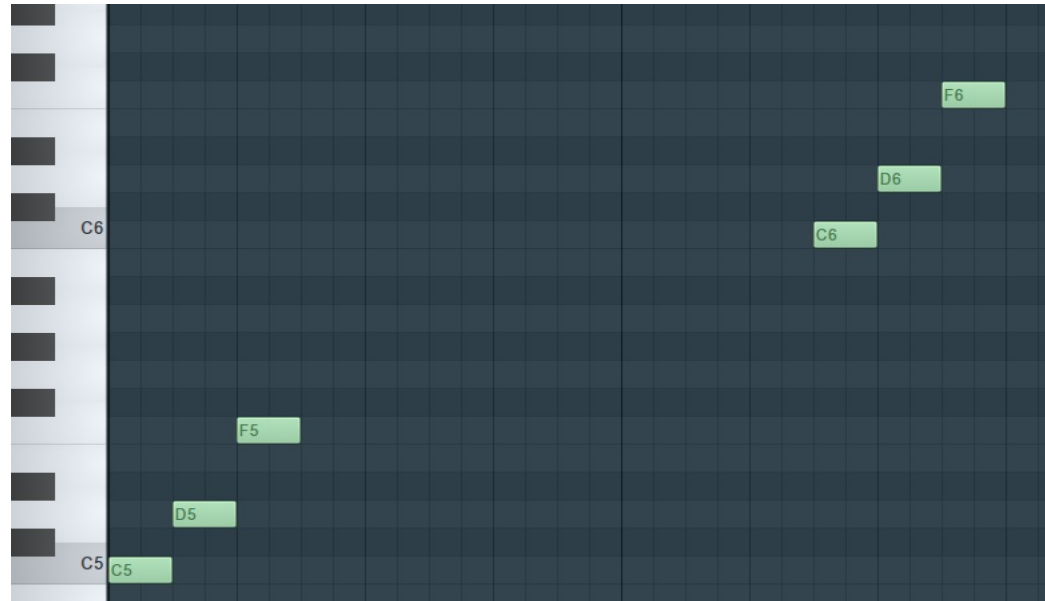
Conditions

- Reversed Task:
 - Delay period: backward replay
 - Reaction: Comparing the reversed one in your mind with S2



Conditions

- Transposition:
 - Delay period: raise the pitch of S1 for one octave
 - Reaction: Comparing the transposed one in your mind with S2



Conditions

- Contour
 - Delay period: Categorize S1 according to the contour of the melody:
“rise-rise” / “rise-fall” / “fall-rise” / “fall-fall”
 - Reaction: Categorize S2 likewise and compare their categories

