

Assignment 8

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1 Question 1:

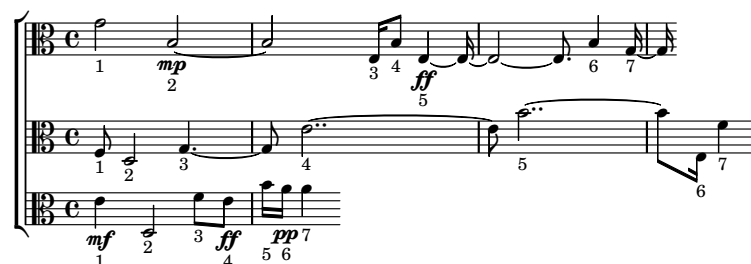
The music (40 sounds) generated with the requisite parameters is displayed below:



2 Question 2:

2.1 Markov Bank

The bank of pitches (first 7 sounds) used in markov chain generation is:



2.2 Markov Chain Table

The table generated for the Markov Chain is:

x	1	2	3	4	5	6	7
1	0.06	0.17	0.04	0.05	0.39	0.03	0.26
2	0.19	0.24	0.1	0.21	0.16	0.02	0.08
3	0.24	0.2	0.07	0.1	0.28	0.12	-0.01
4	0.22	0.11	0.09	0.07	0.27	0.21	0.03
5	0.28	0.05	0.08	0.26	0.03	0.06	0.24
6	0.18	0.26	0.05	0.17	0.12	0.03	0.19
7	0.24	0.17	0.16	0.13	0.03	0.13	0.14

2.3 Markov Chain

The music (20 sounds) generated with the requisite parameters is displayed below:

Measures 1-10 of a musical score for piano and voice. The score is written in treble and bass staves for piano and a single staff for voice. The key signature is one flat (B-flat), and the time signature is common time (C). The piano part features complex fingering and dynamics. The voice part has lyrics written below the notes.

Measure 1: Piano (3, 2, *mp*), Voice (3, 2, *mp*)

Measure 2: Piano (3, 2, *mp*), Voice (3, 2, *mp*)

Measure 3: Piano (5, *ff*), Voice (5, *ff*)

Measure 4: Piano (1, 2, *mp*), Voice (1, 2, *mp*)

Measure 5: Piano (3, 2, 3, 2, 5, 1, 2, 7, 2, 2, 1, 2), Voice (3, 2, 3, 2, 5, 1, 2, 7, 2, 2, 1, 2)

Measure 6: Piano (7, *mp*), Voice (7, *mp*)

Measure 7: Piano (2, *mp*), Voice (2, *mp*)

Measure 8: Piano (2, *mp*), Voice (2, *mp*)

Measure 9: Piano (1, 2, *mp*), Voice (1, 2, *mp*)

Measure 10: Piano (7, *mp*), Voice (7, *mp*)