

towards completeness

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for adam overton and quatuor bozzini

the first steps to create a version of the score are to print pages 1 through 78 on transparencies (if not already provided so) and follow this procedure:

- randomly choose one of the transparencies. each one corresponds to an edge in a graph.
- randomly choose from the list of next possible edges/ pages. the choices will be visible when placed on top of white opaque paper and correspond to the number on the top left of the transparencies.
- repeat step 2 till all the transparencies have been chosen. when stacked on top of each other, the list of next possible edges/ pages will change accordingly.

note: each player does the above procedure independently. it is advised to keep the pages stacked in order with the most recently chosen edge/page on bottom. it may also be helpful to keep an ordered list of the chosen edges/pages. a custom written computer program is available that automatically generates a score.

a realization is composed of 16 sections diagrammed on the following page, which contains additional performance instructions as well as further instructions for creating a version of the score. the first and last sections consist exclusively of silence. the second and second to last sections consist exclusively of a sustained high-pitched tone, which sustains through the other middle sections. this tone should be as continuous/unchanging as possible. its entrance and exit may be accented in unison by a pitched-percussion instrument of long decay. for the entrance accent, the percussion instrument is allowed to let vibrate. the exit accent is punctuated (short).

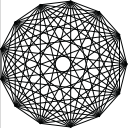
in the other sections, the performers not sounding the high sustained tone interpret the graph by exploring morphologies (or phrases/ paths) in the structure as follows:

- successive pitches in a morphology must be connected by edges in the graph.
- morphologies are at least 2 tones long and at most the number indicated in the section diagram.
- pitches do not repeat within a morphology. however, the first pitch of a new morphology may be the same as the last pitch of the previous morphology. phrases should generally ascend or descend within the pitch-space.
- except for the ending tone of a morphology, all others are of equal duration. this duration may (and should) vary from morphology to morphology from as much as 2 seconds per tone to the minimum tone duration given in the section diagram.
- except for the ending tone of a morphology, all others are either slurred or punctuated. slurred morphologies should occur more often than punctuated ones.
- typically, the ending tone of a morphology may be punctuated or held any duration less than the approximated morphology length up until the ending tone. However, the last tone should occasionally sound for a *very* long time. punctuated ending tones should occur with equal frequency to longer ending tones.
- a morphology may be followed by silence of any duration less than the approximated morphology length.

note: within the limits set forth in the instructions, performers should explore various possibilities to the extent possible. For example, by varying paths through the graph and morphology lengths.

* for all performers an equal dynamic. throughout, clear but not loud.

mike winter (2008)

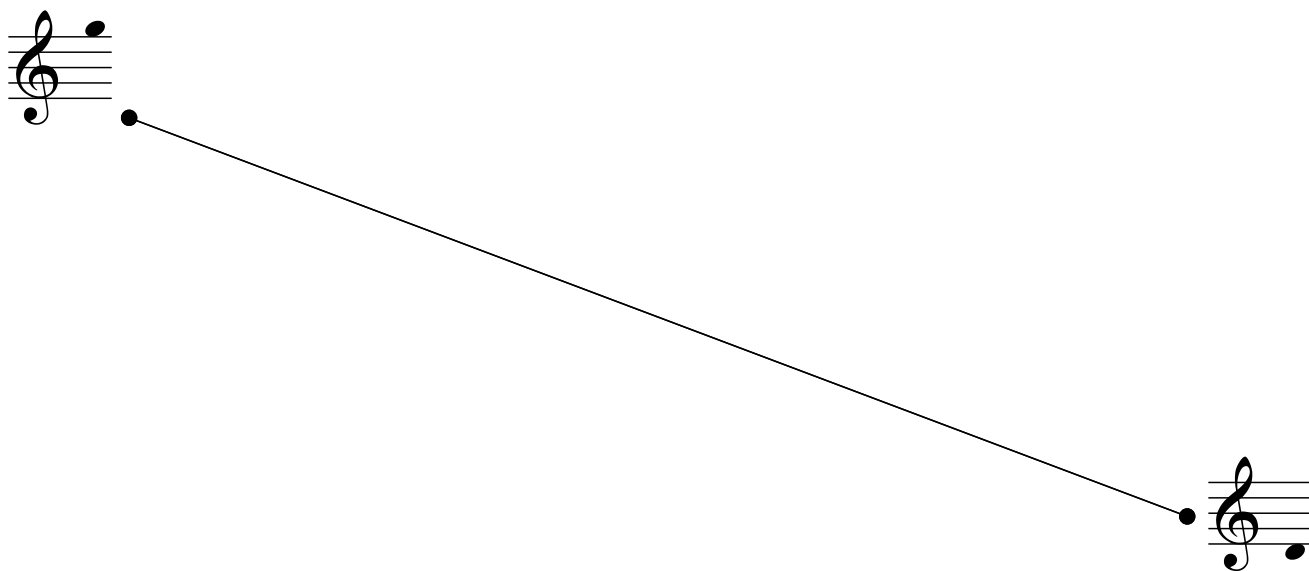
<i>section number</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>section duration</i>	$\geq 1'$	$\geq 5'$	18" ----- 36"	17" ----- 34"	16" ----- 32"	15" ----- 30"	14" ----- 28"	13" ----- 26"	12" ----- 24"	11" ----- 22"	10" ----- 20"	9" ----- 18"	8" ----- 16"	7" ----- 14"	$\geq 5'$	$\geq 1'$
<i>events</i>	<i>silence</i>	<div style="position: relative; height: 100px;"> ▲ end sustained high-pitched tone  initiate sustained high-pitched tone begin graph interpretation end graph interpretation </div>													<i>silence</i>	
		<i>minimum tone durarion</i>	1"	.74"	.58"	.46"	.37"	.29"	.23"	.17"	.12"	.08"	.04"	0"		
		<i>maximum morphology length</i>	2	3	4	5	6	7	8	9	10	11	12	13		
		<i>number of edges added</i>	1	2	3	4	5	6	7	8	9	10	11	12		

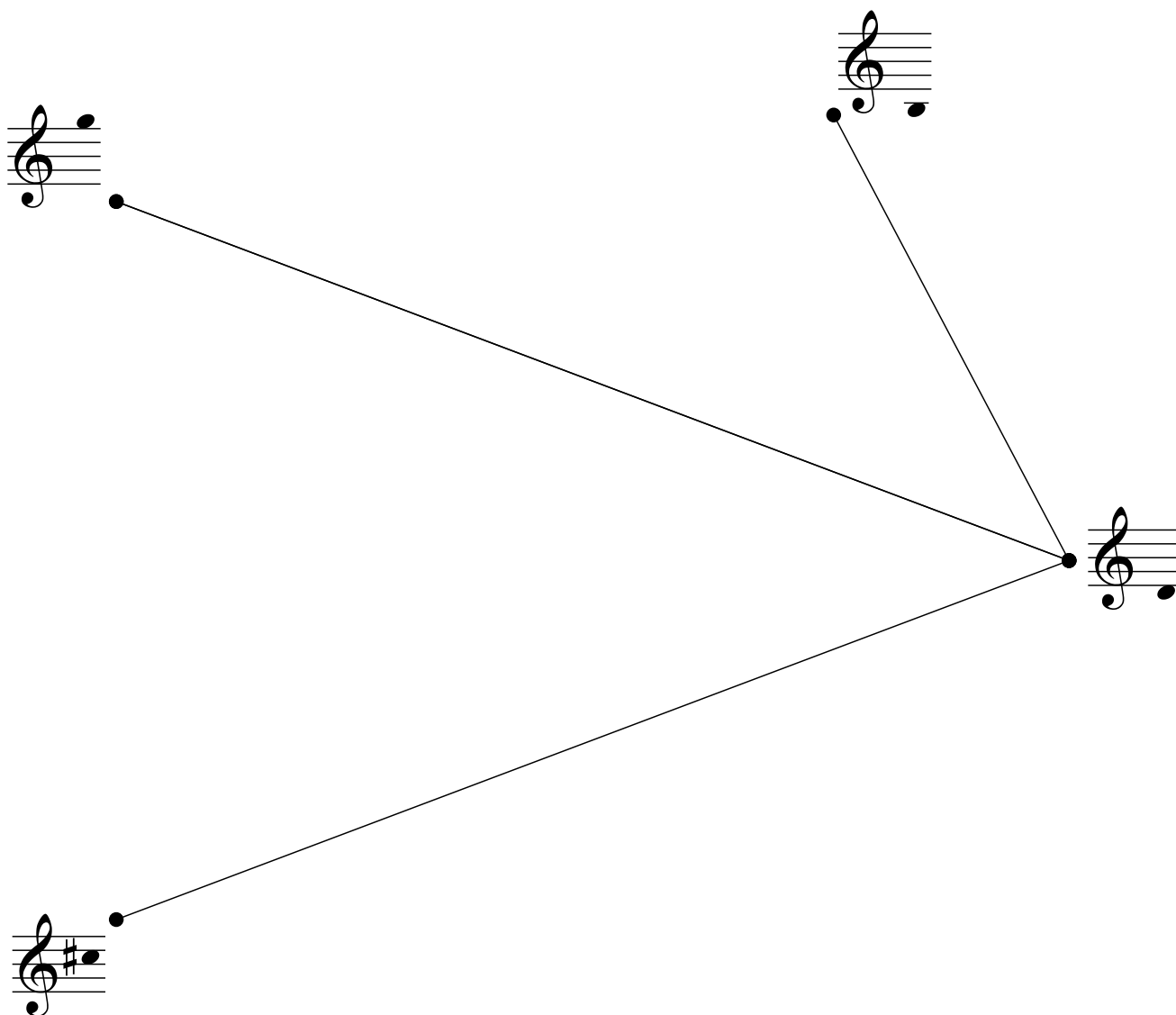
- mbw (2008)

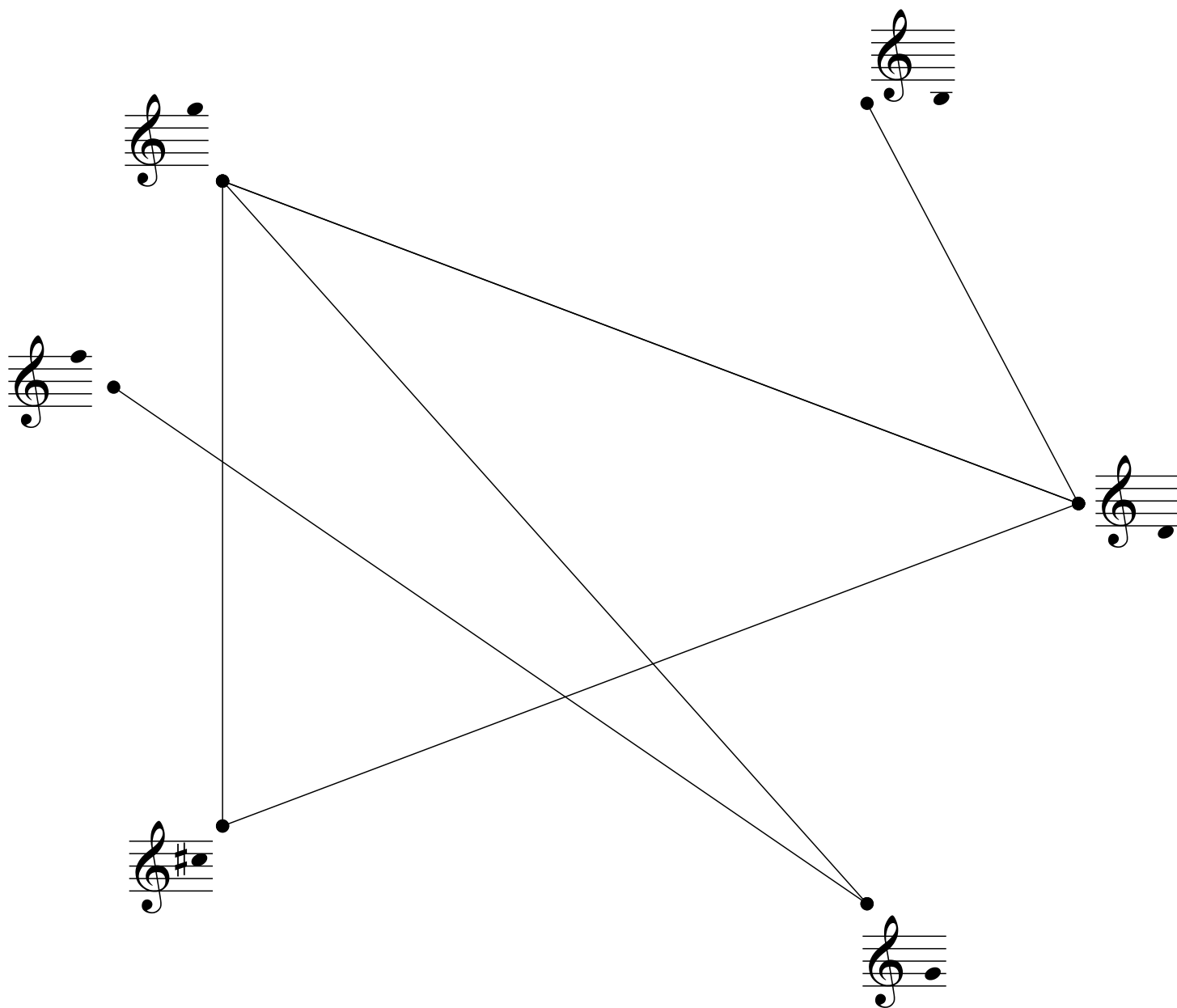
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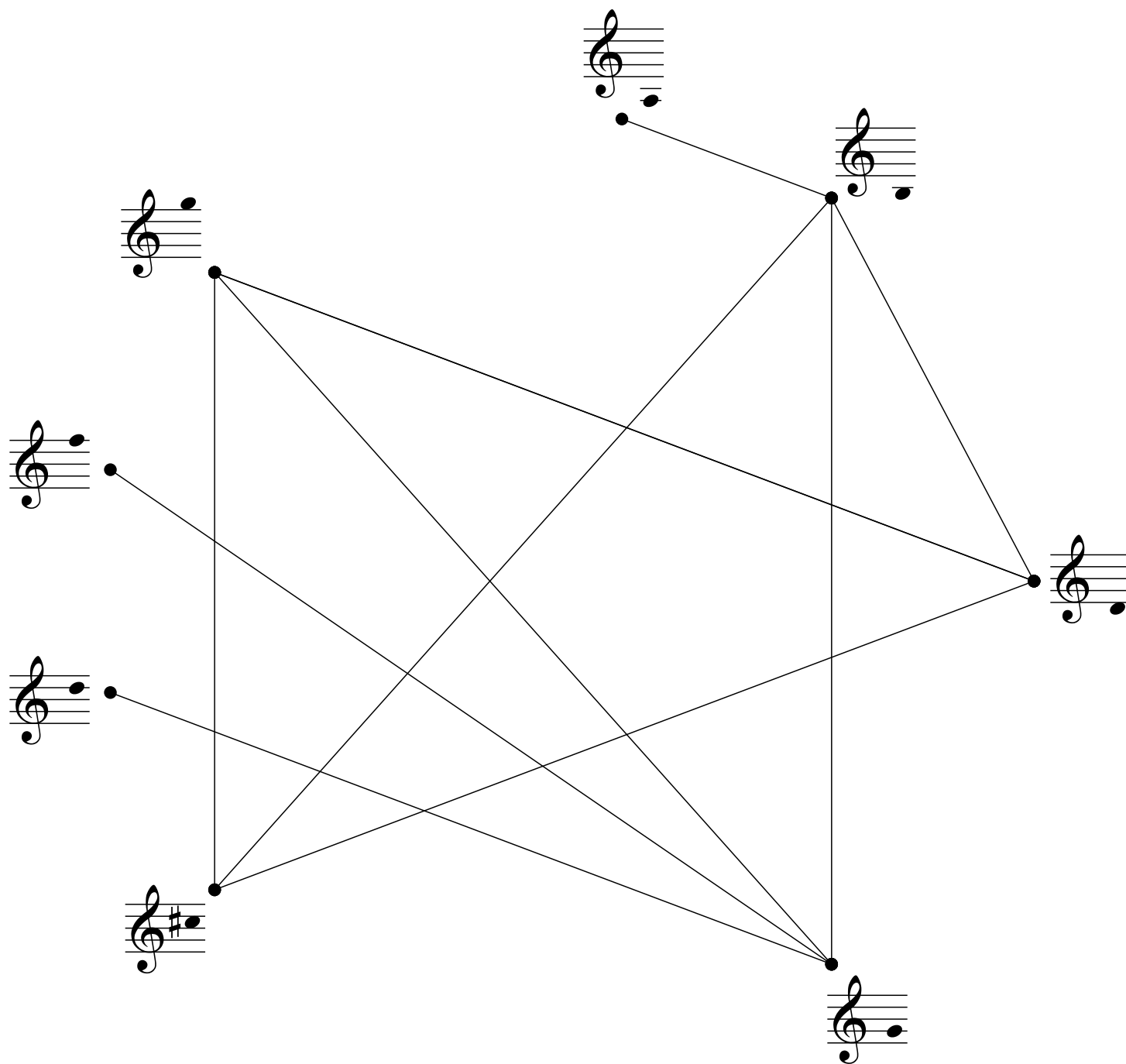
score realization 1

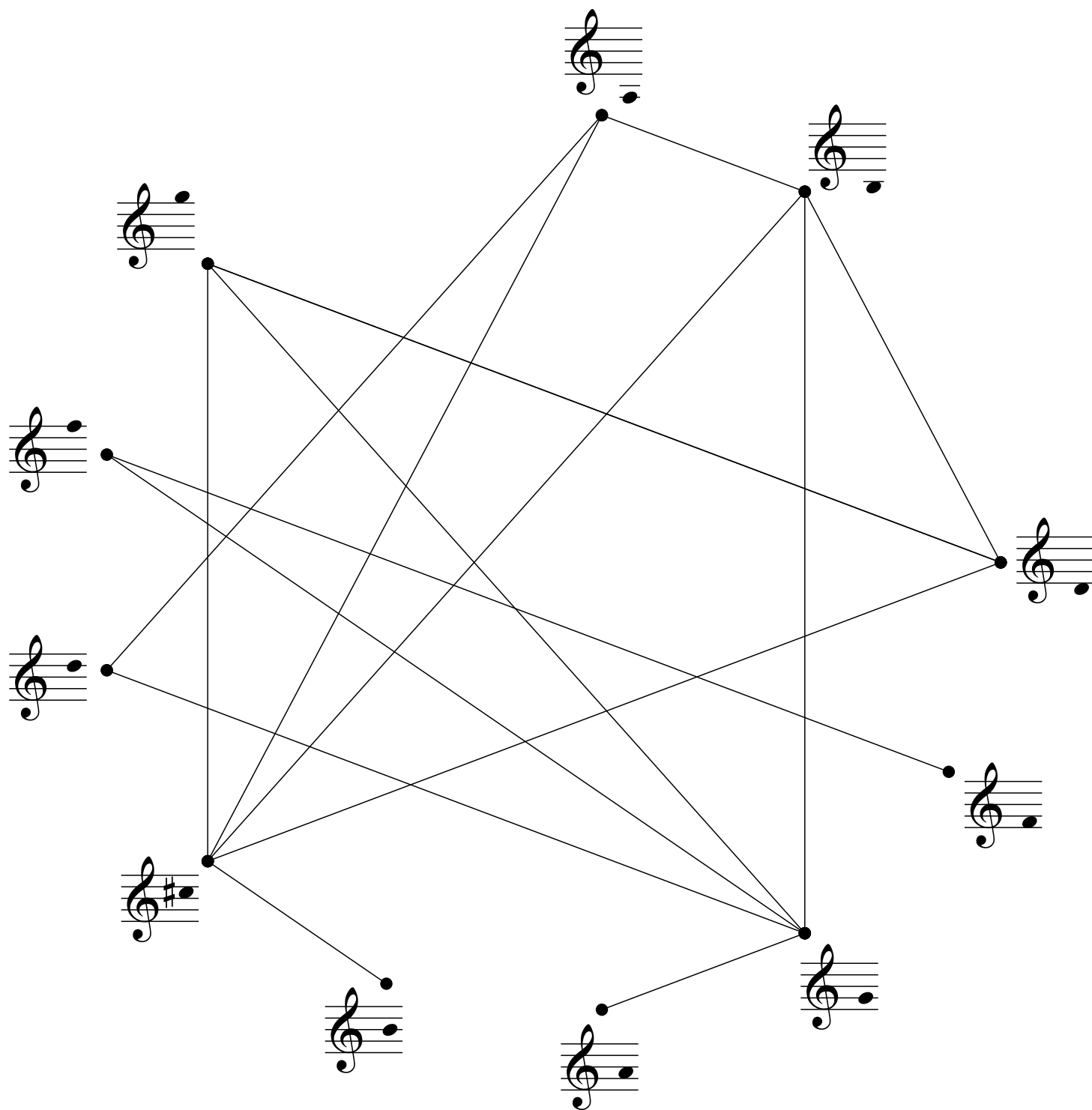
sections 3 - 14

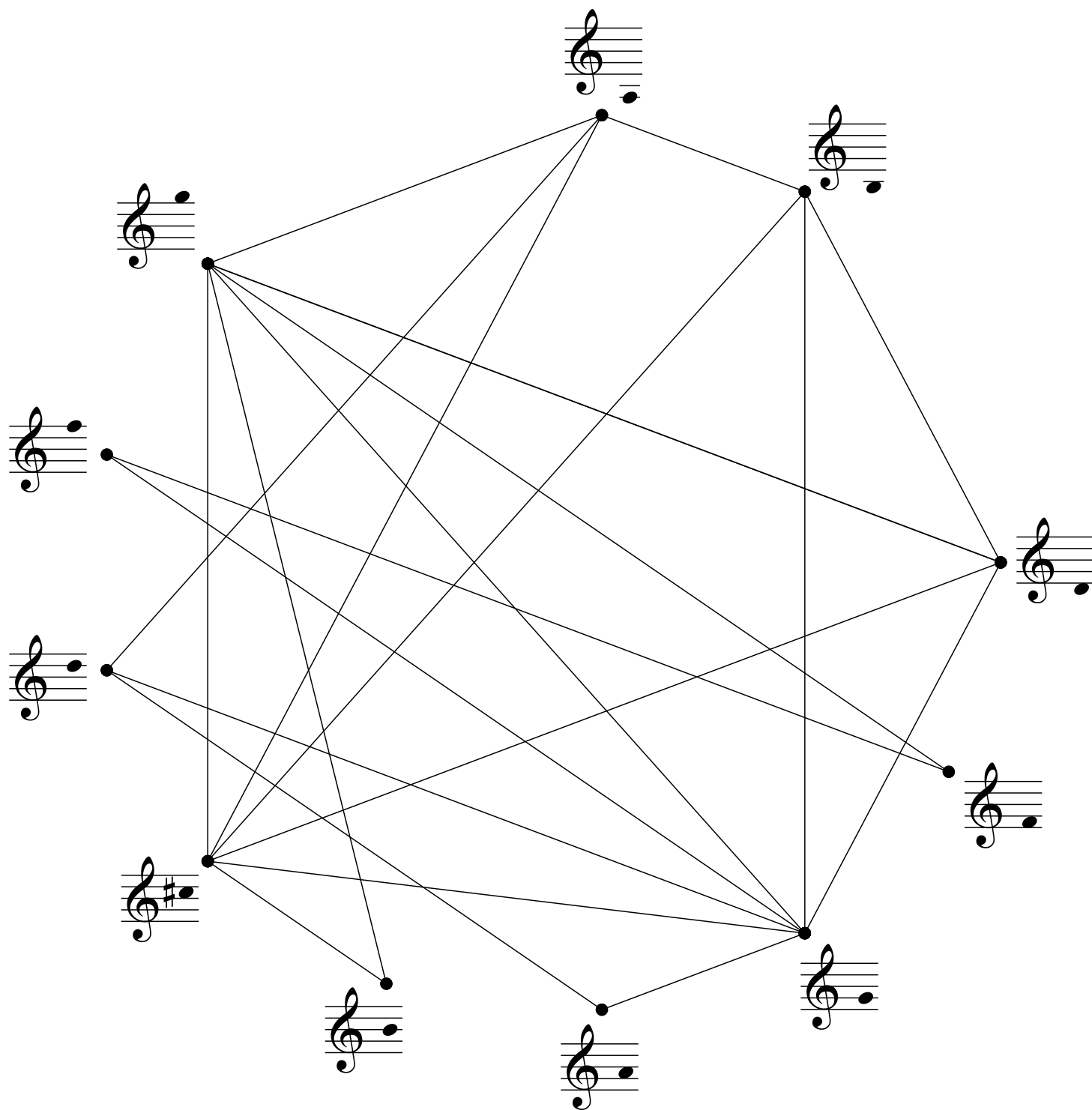


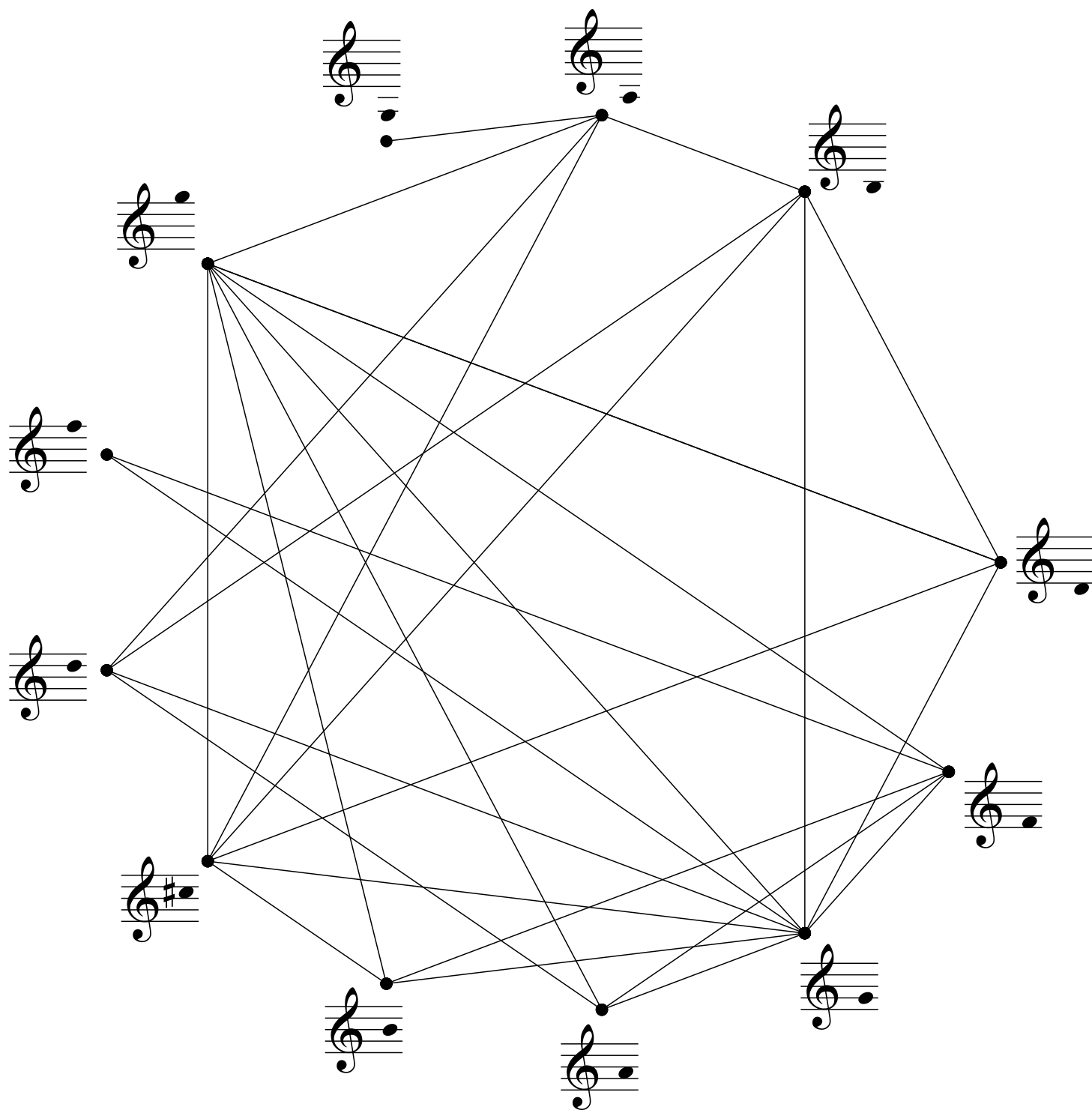


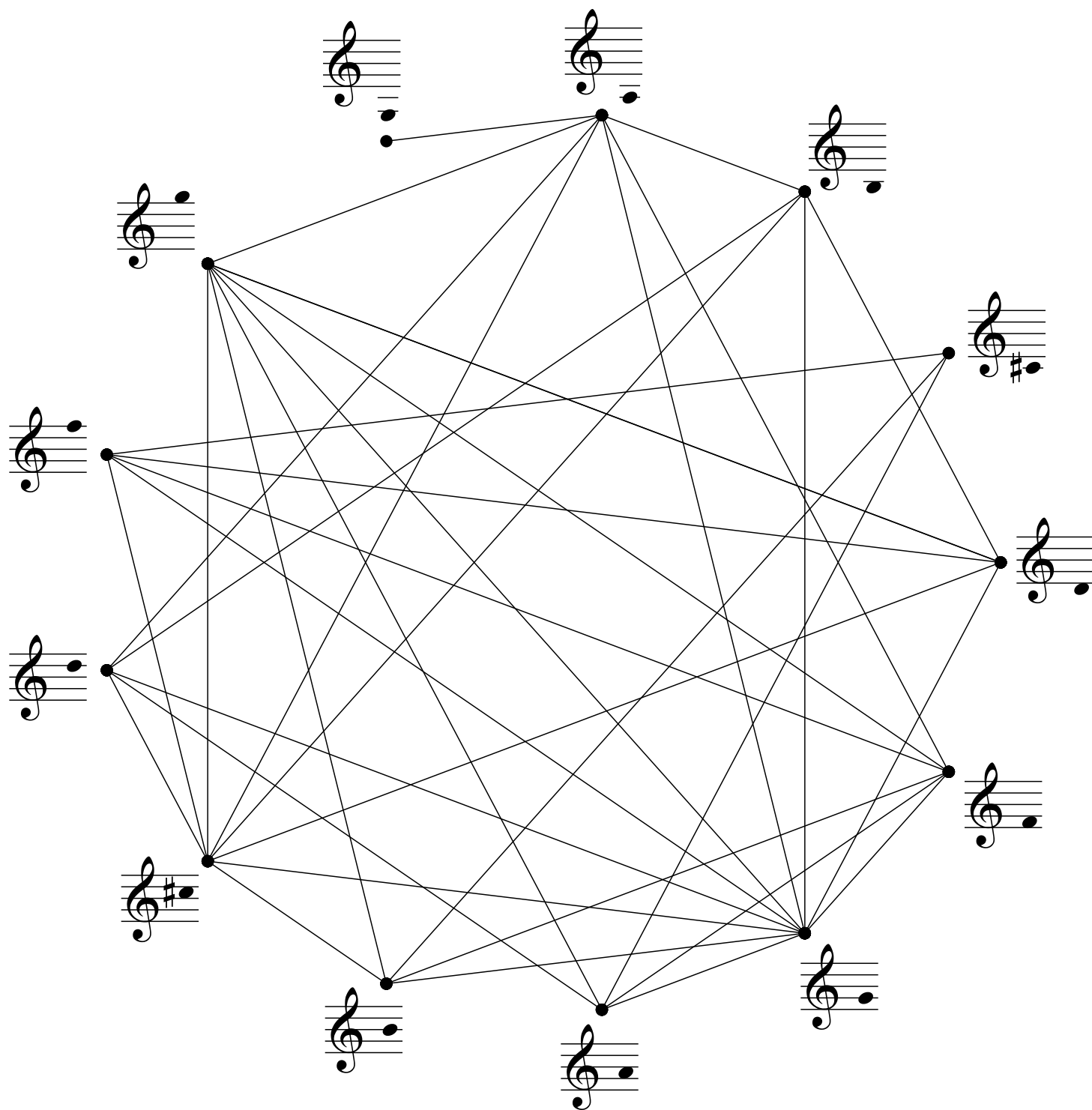


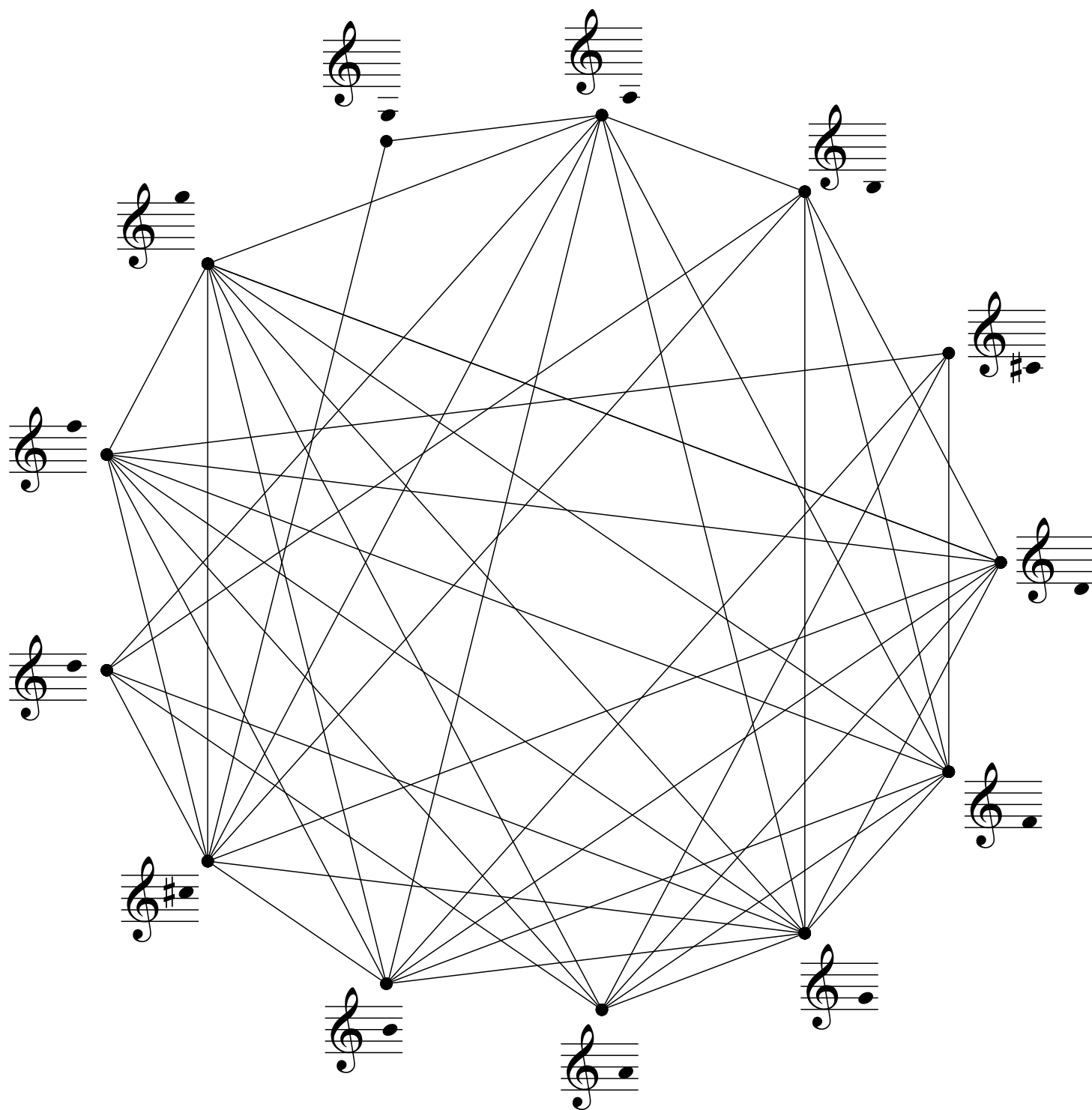


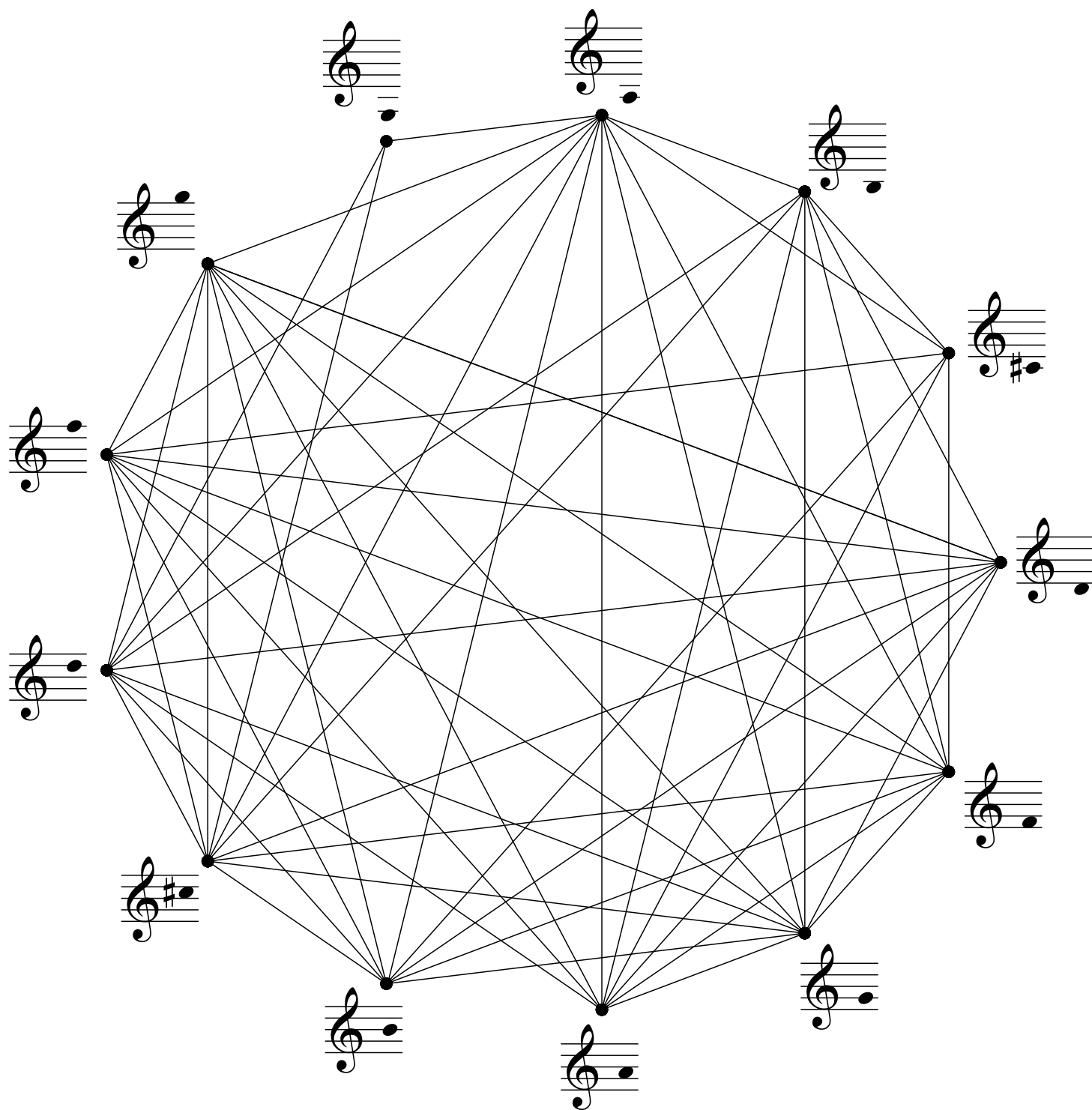


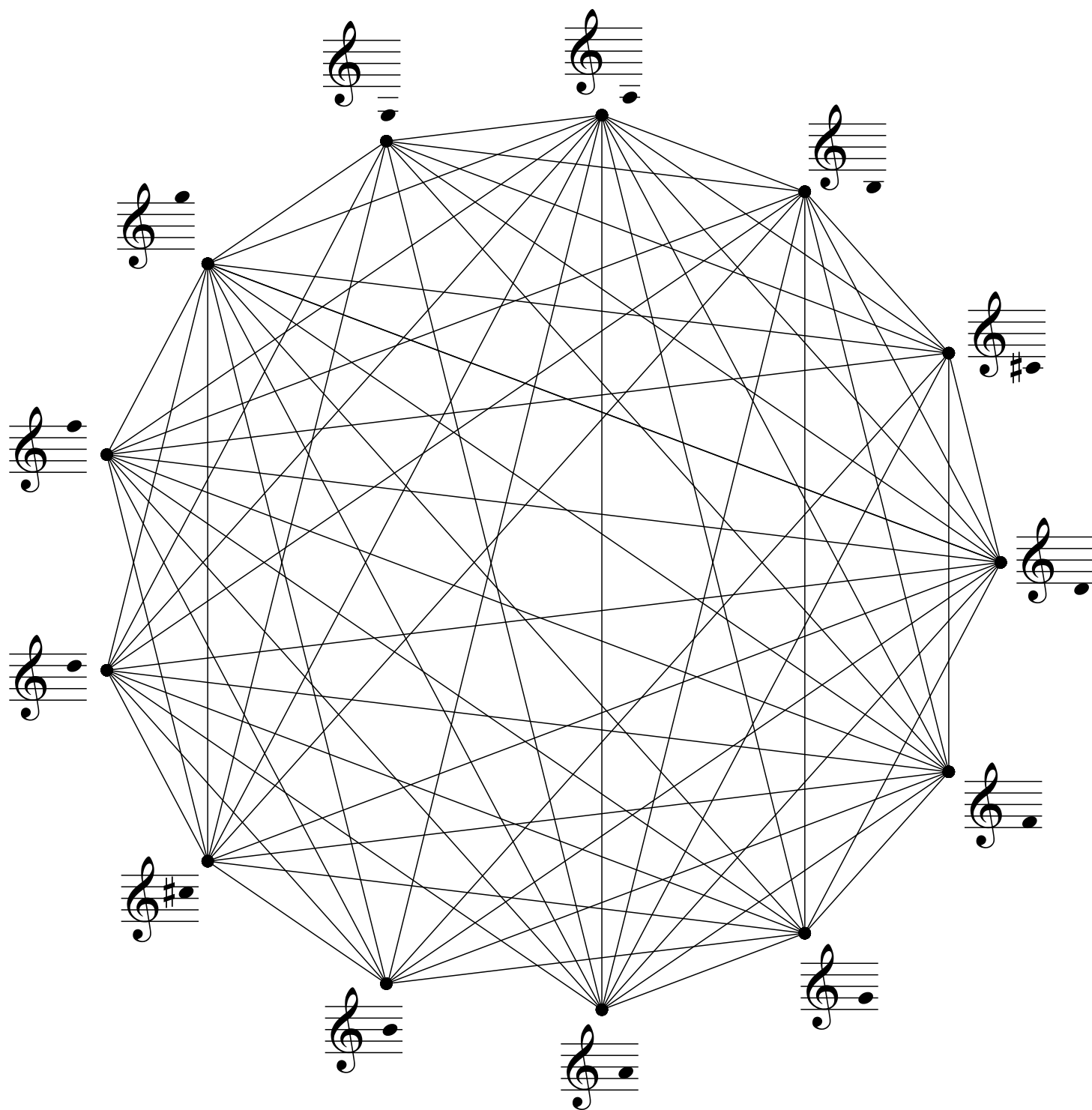


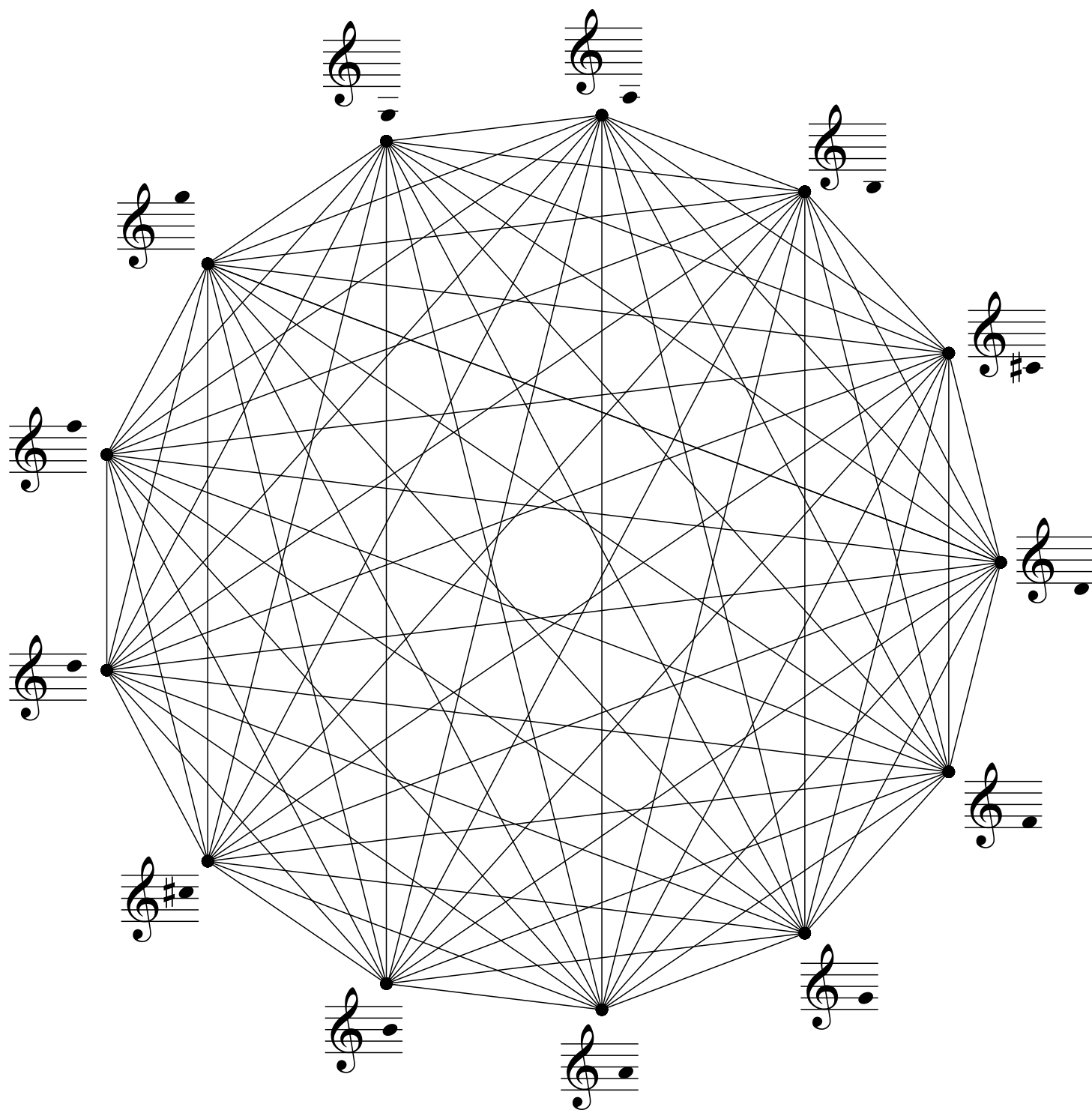








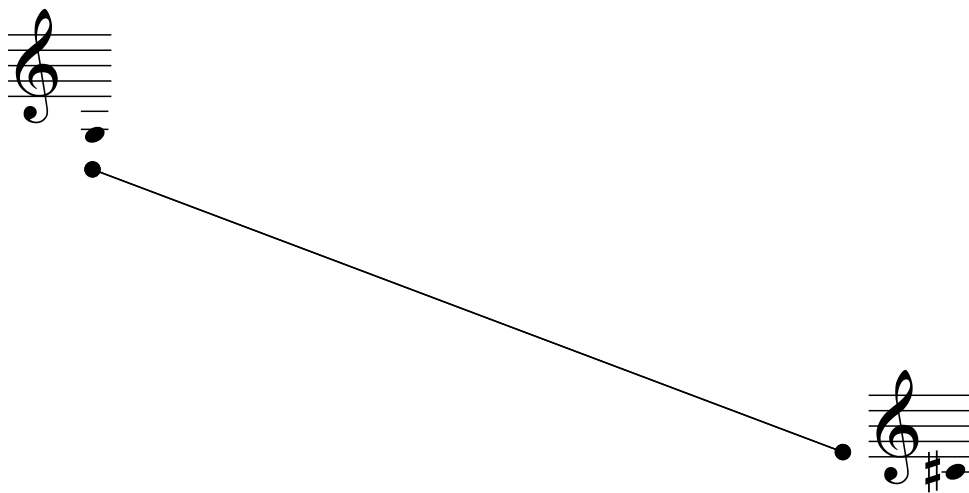


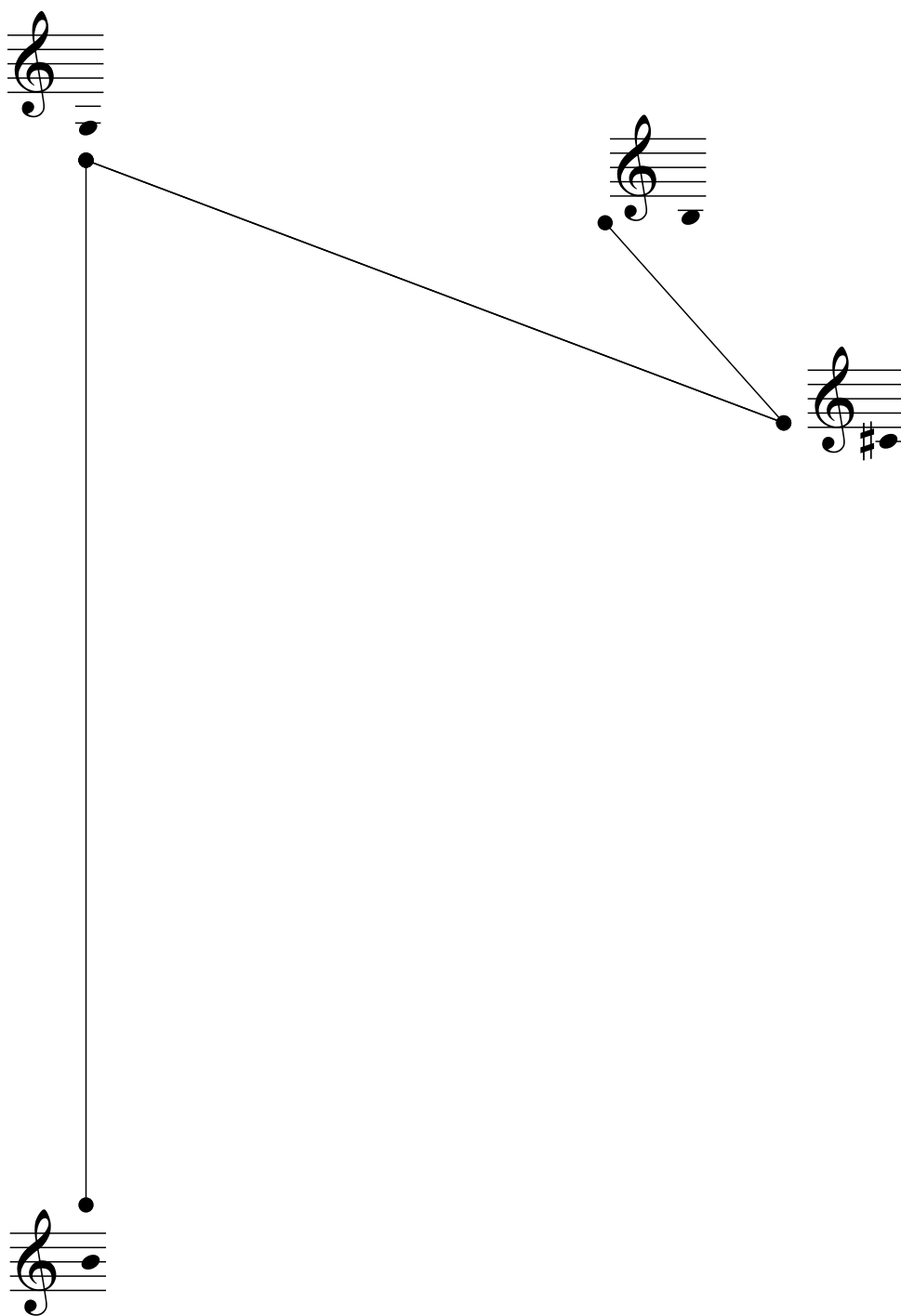


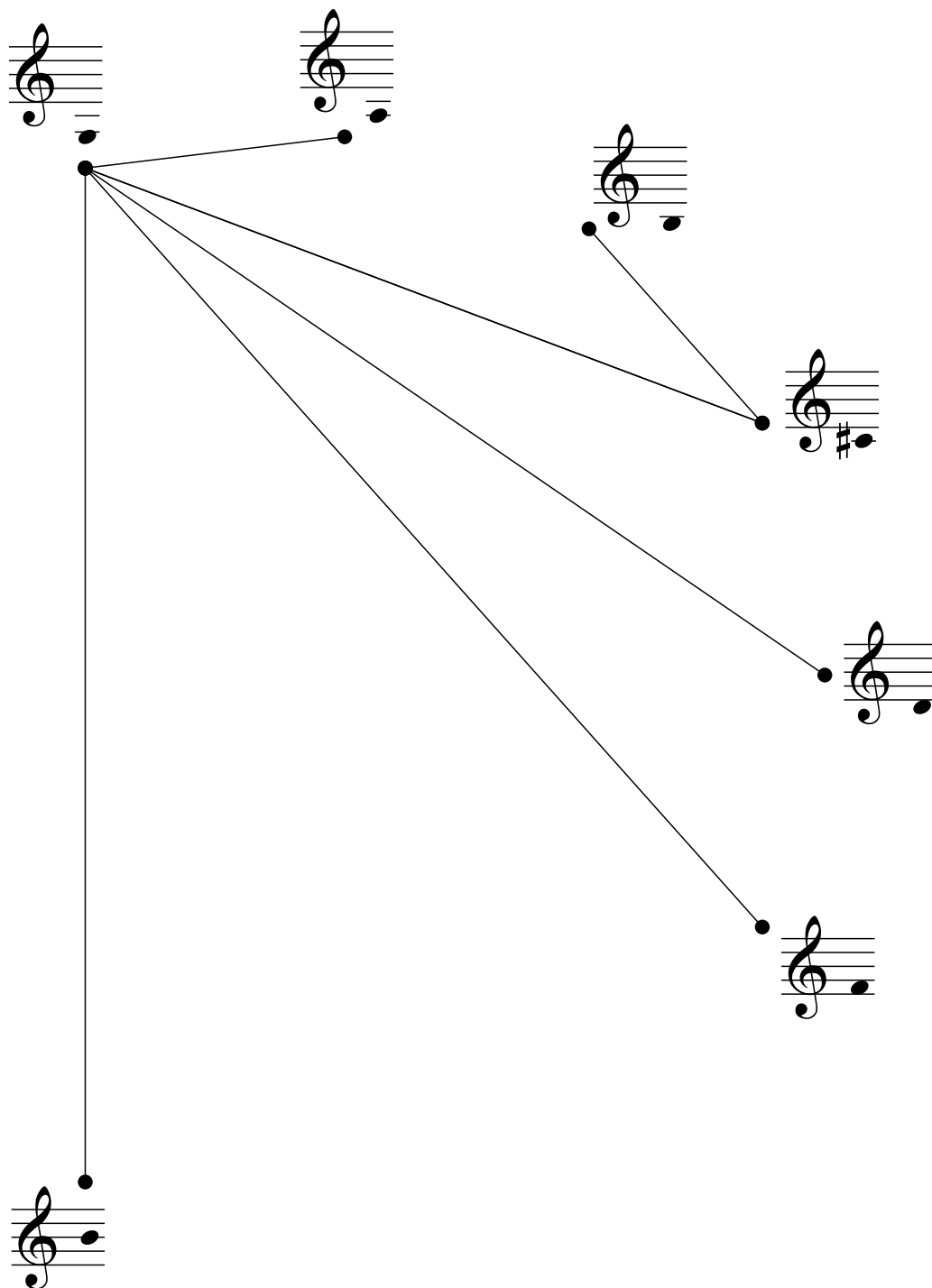
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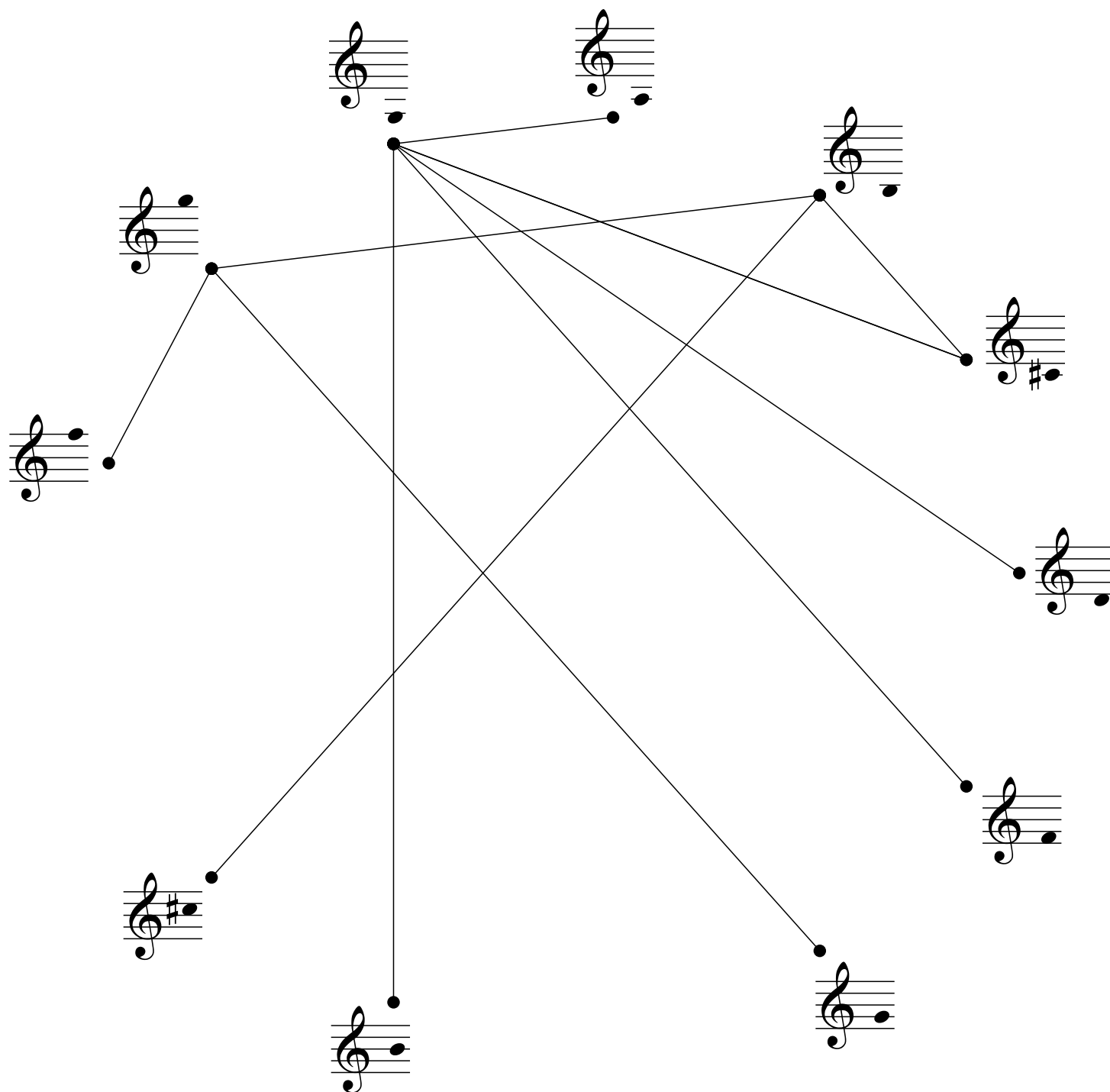
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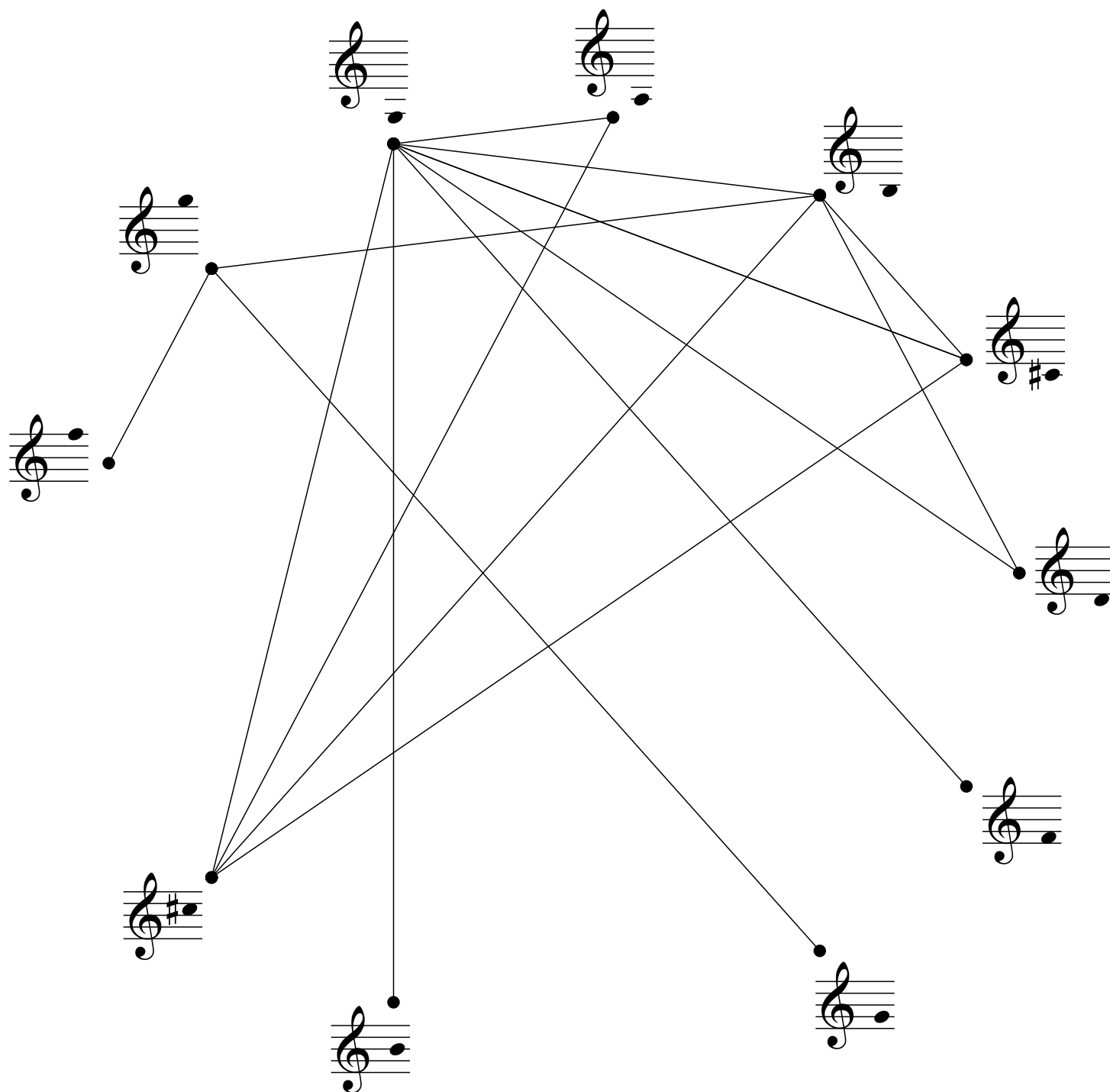
sections 3 - 14

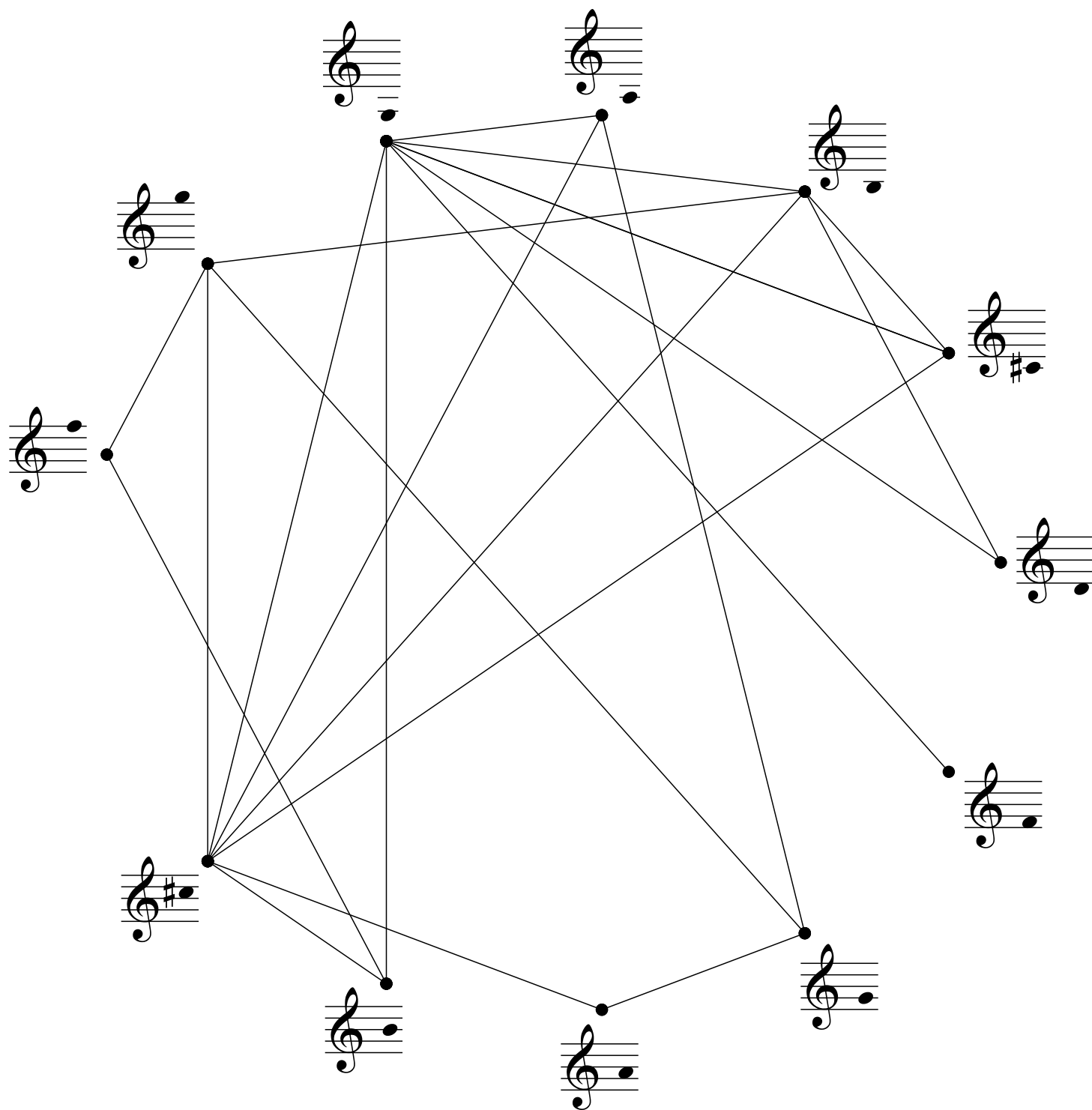


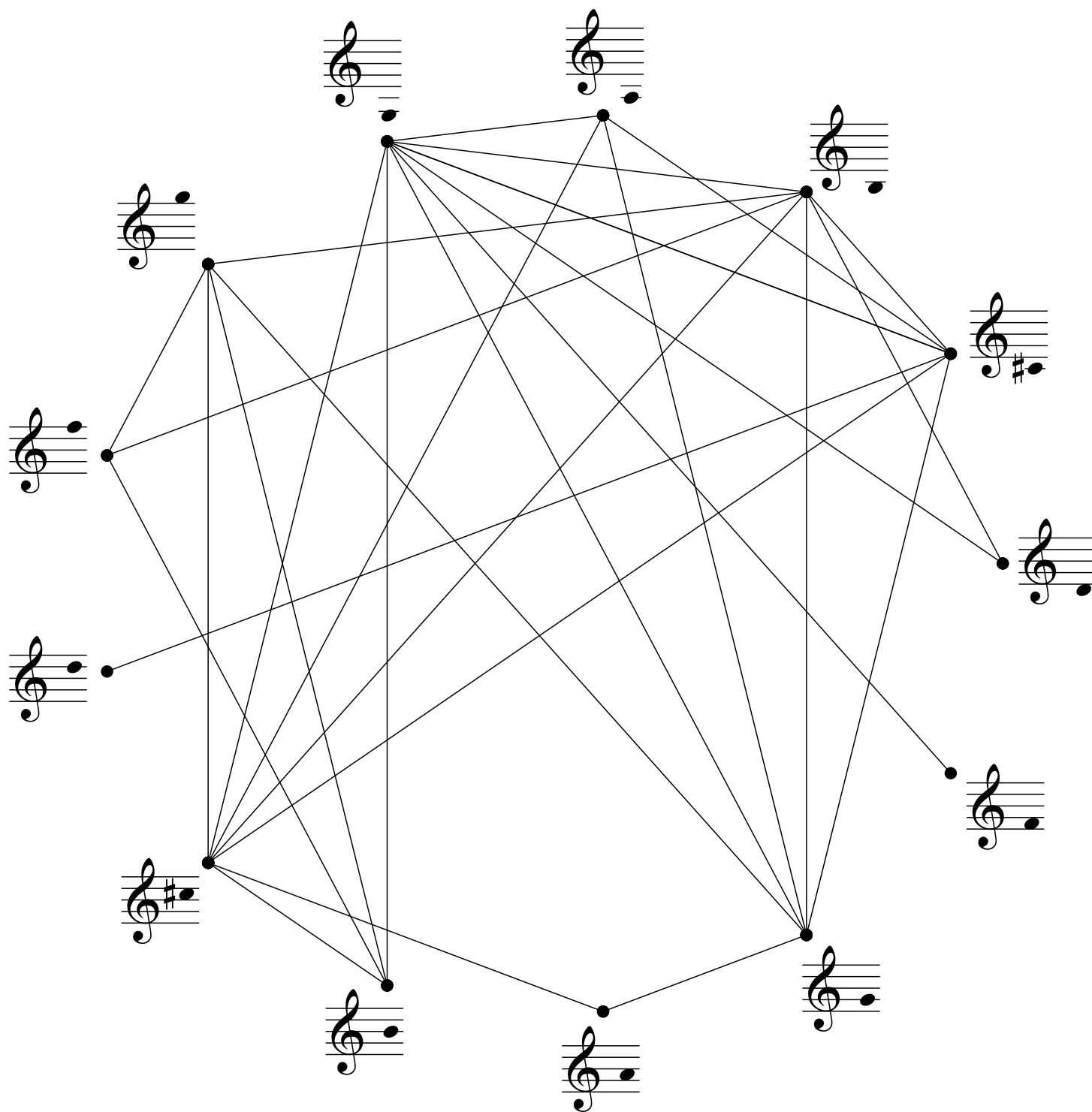


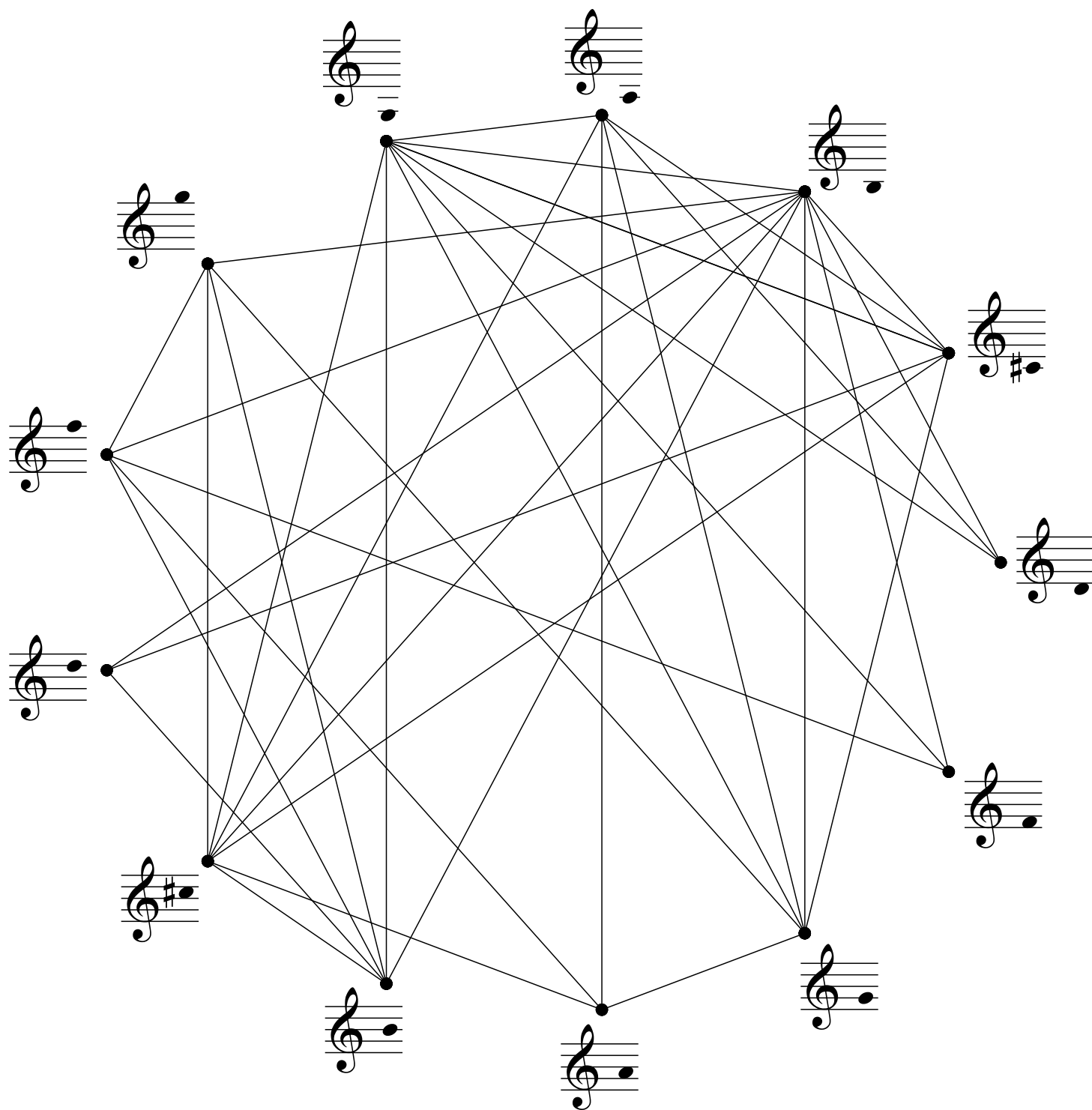


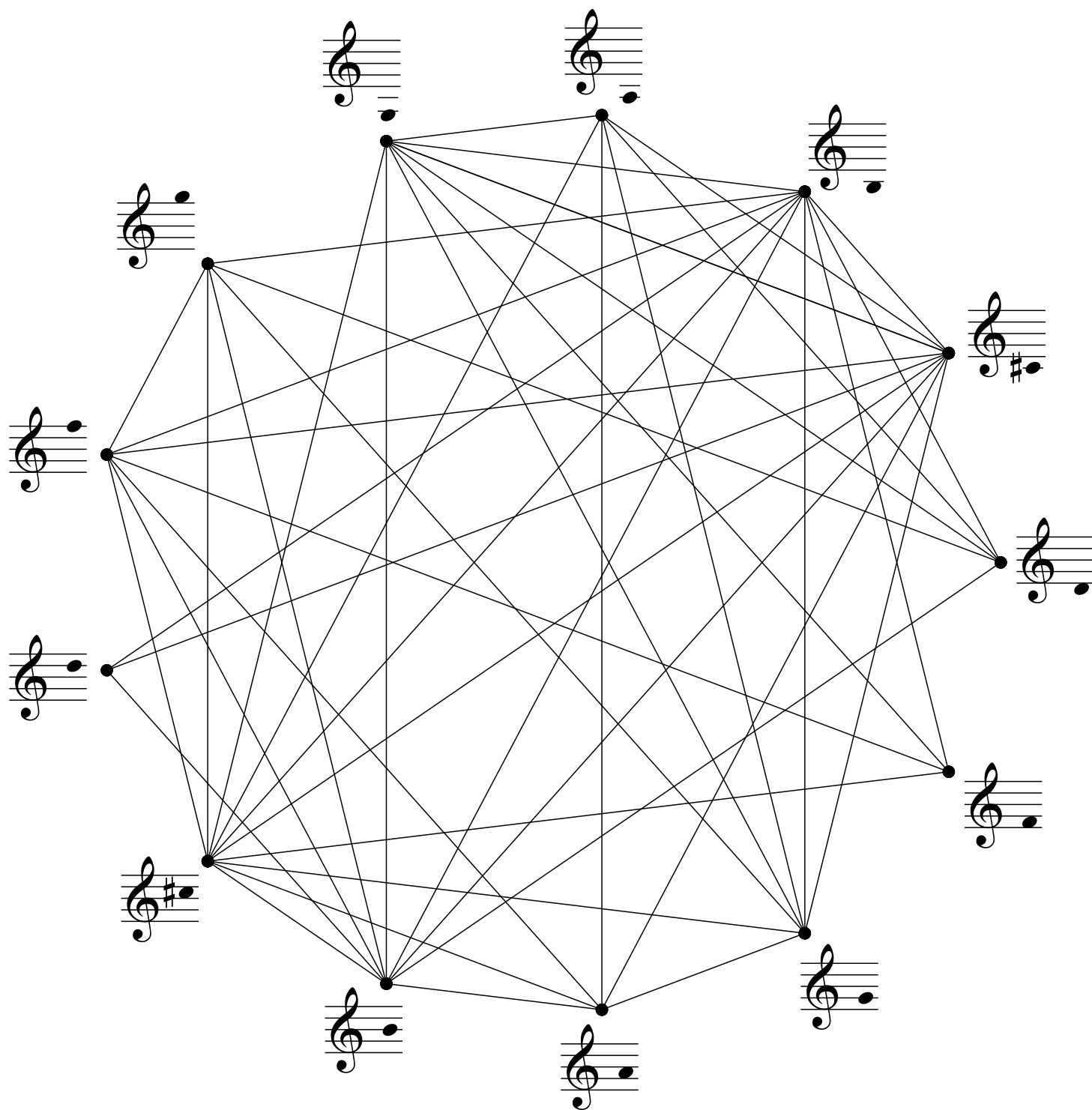


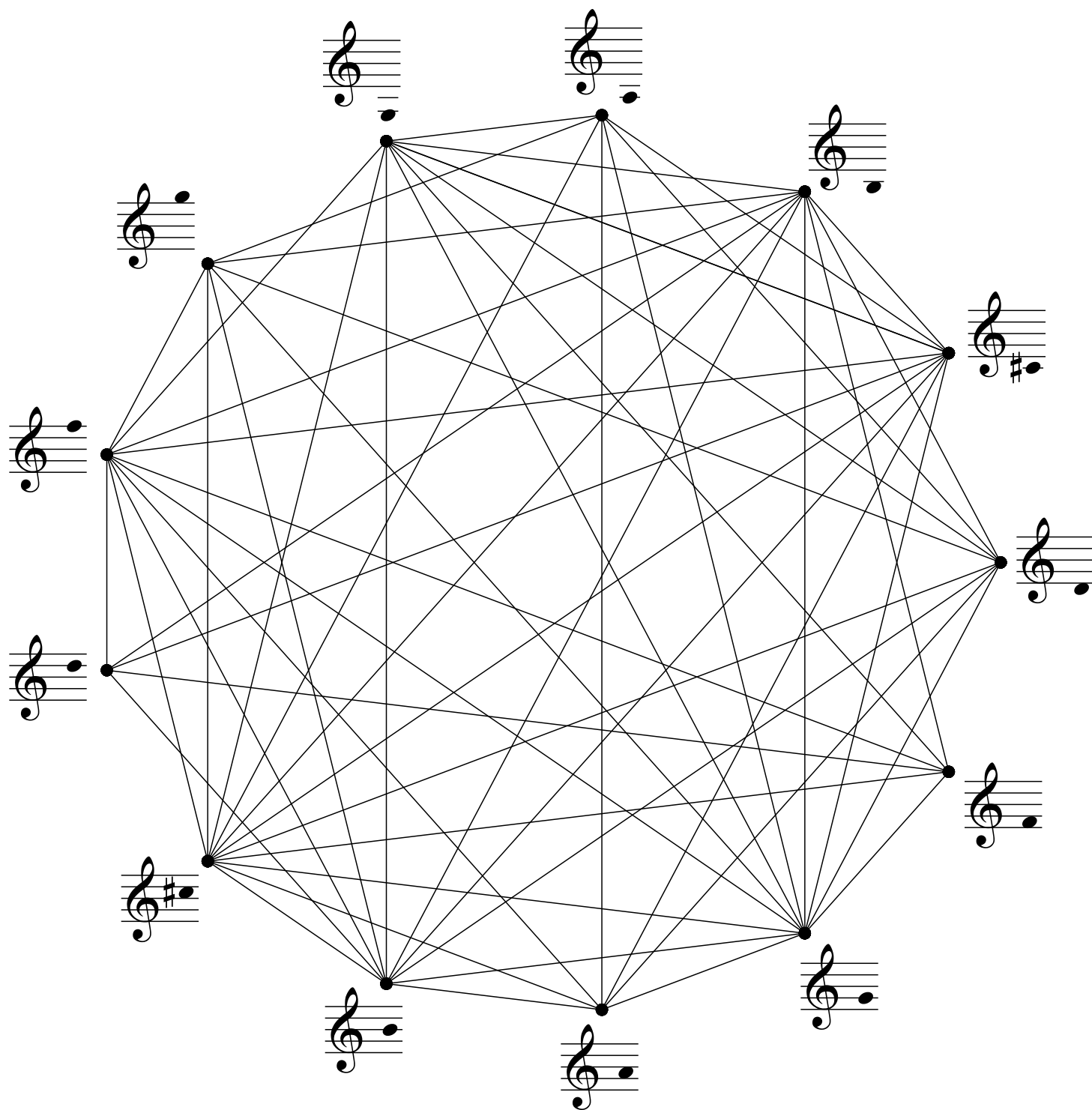


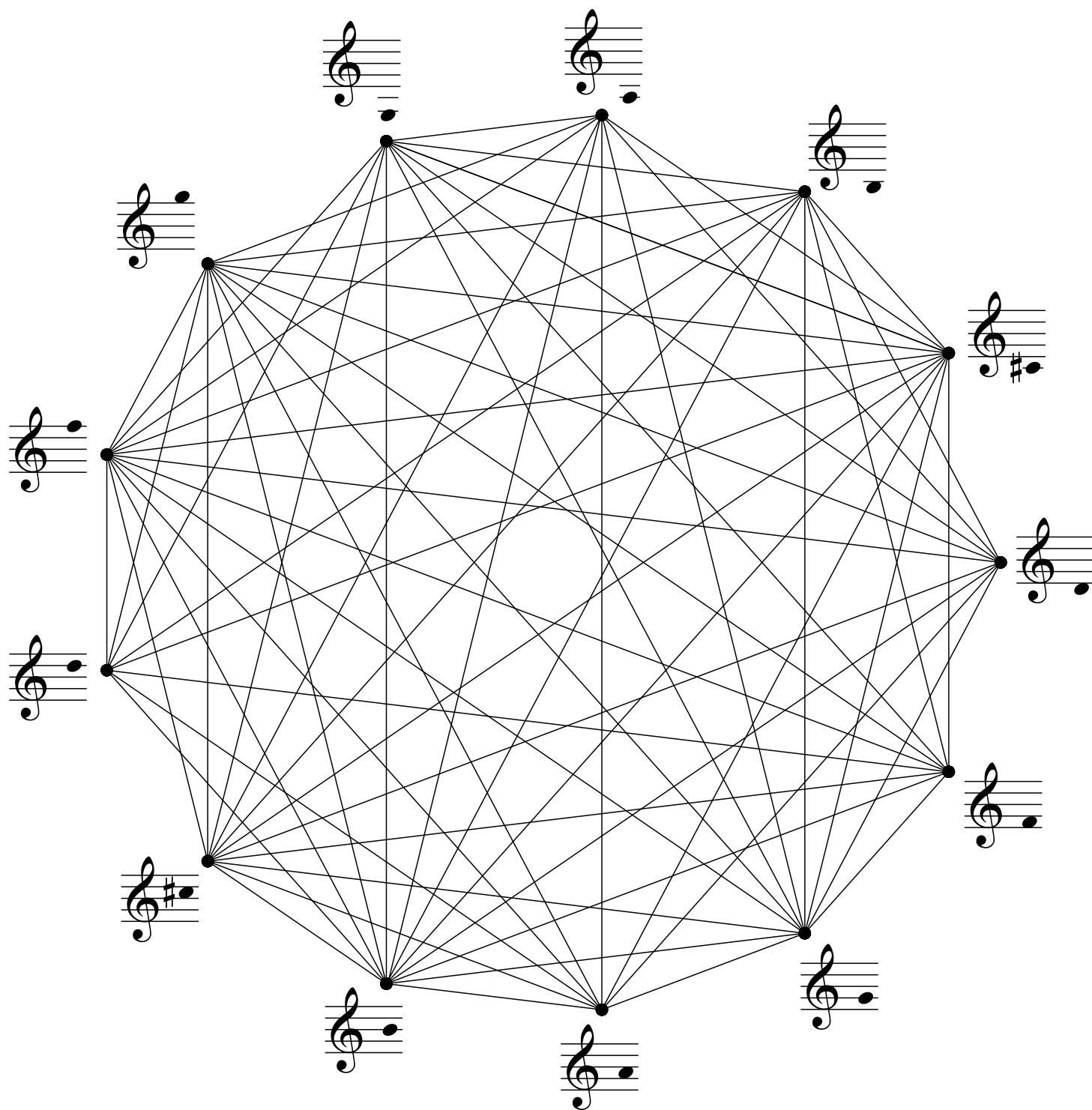


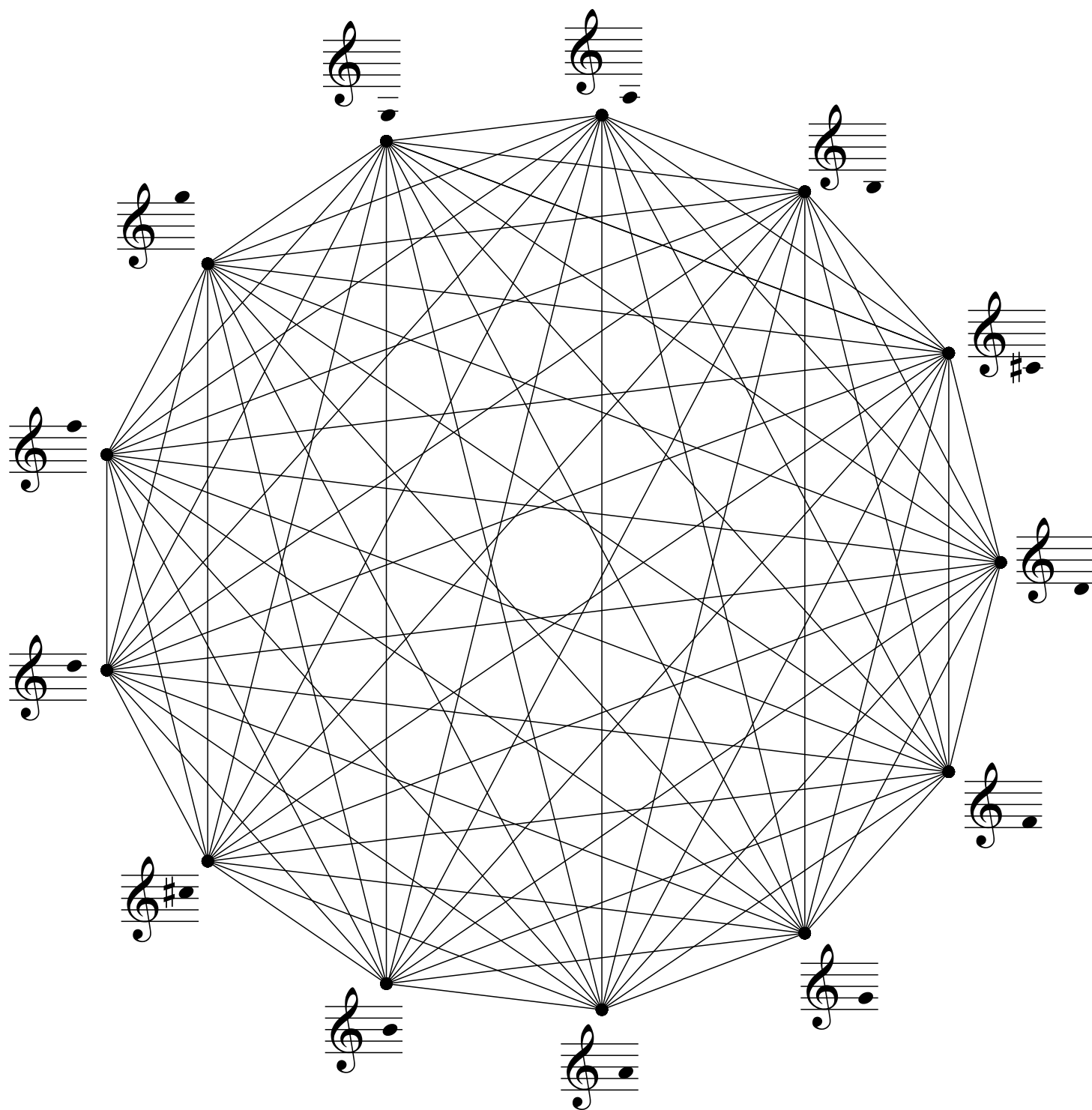








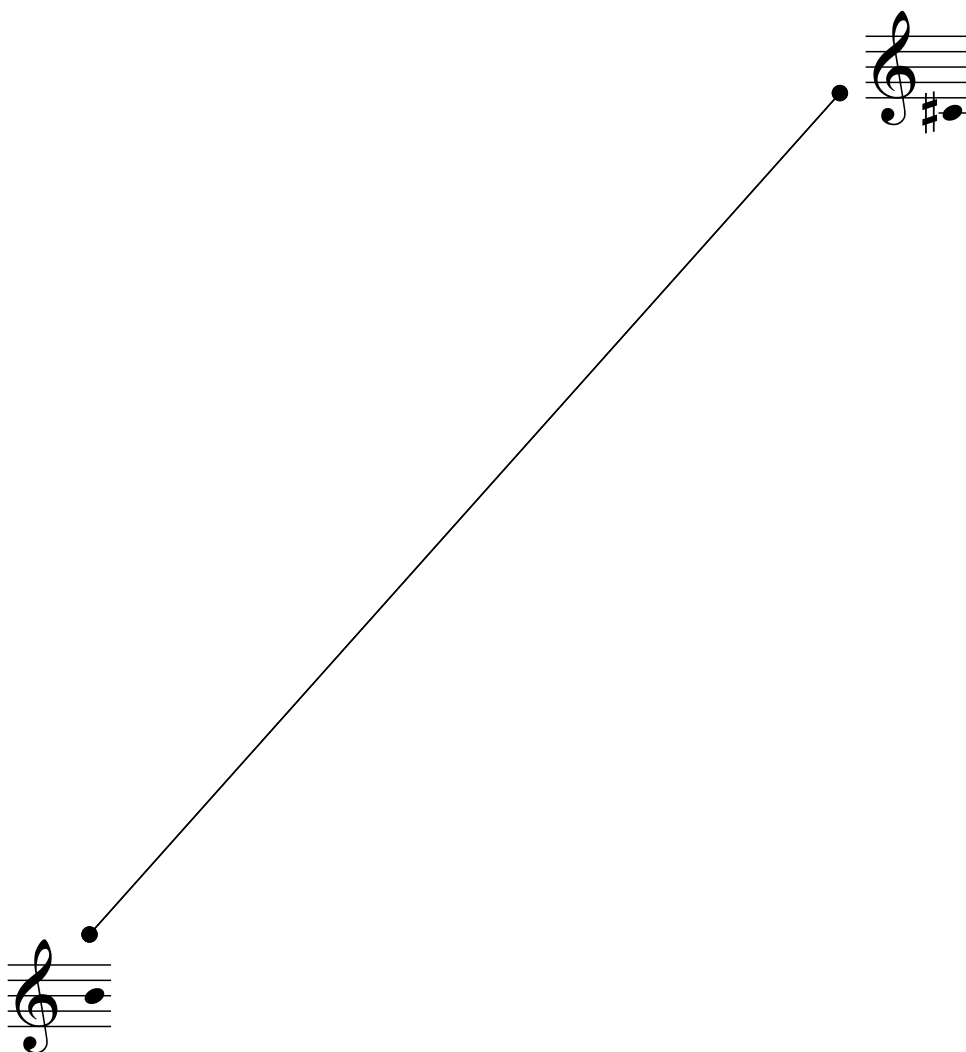


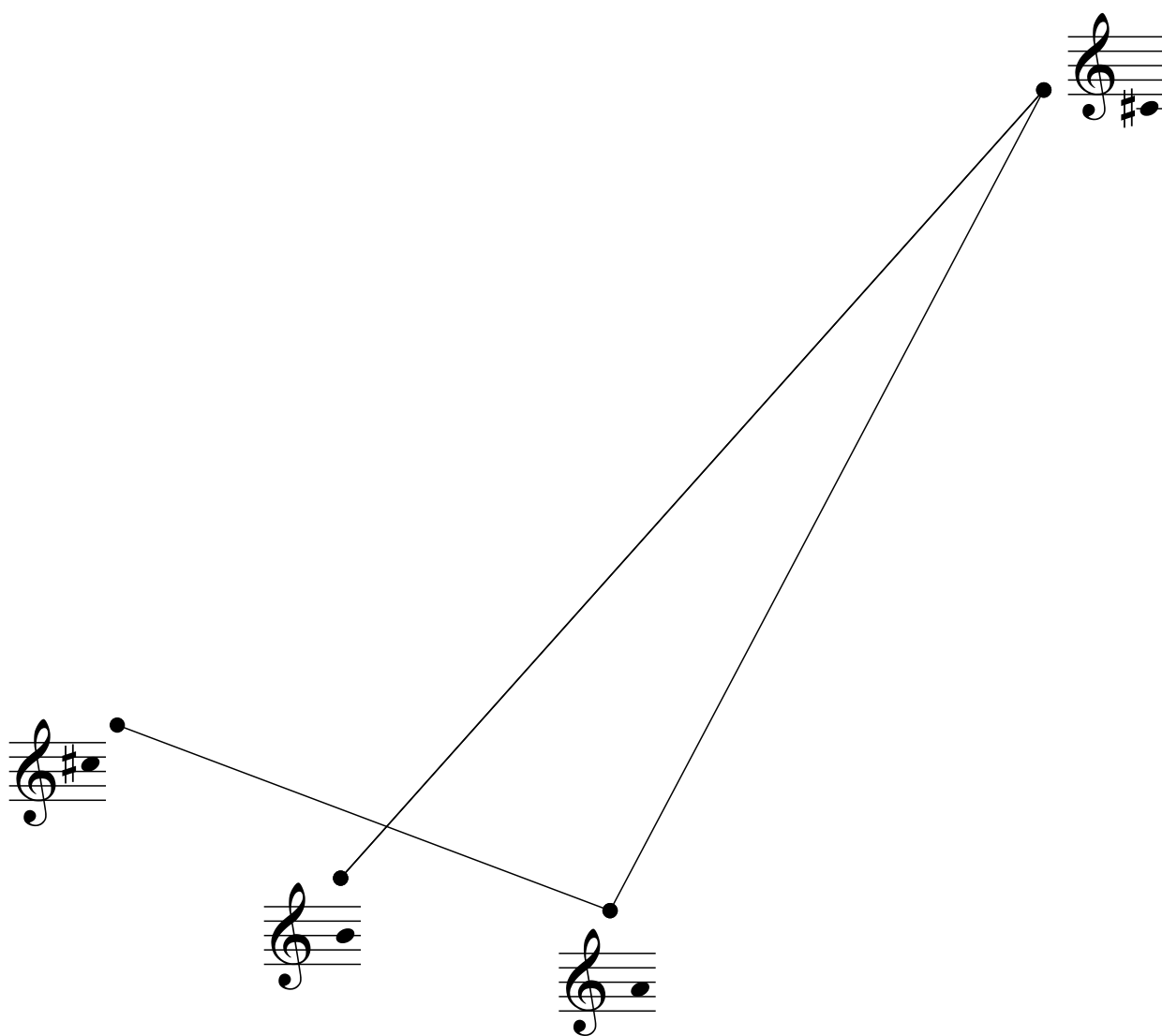


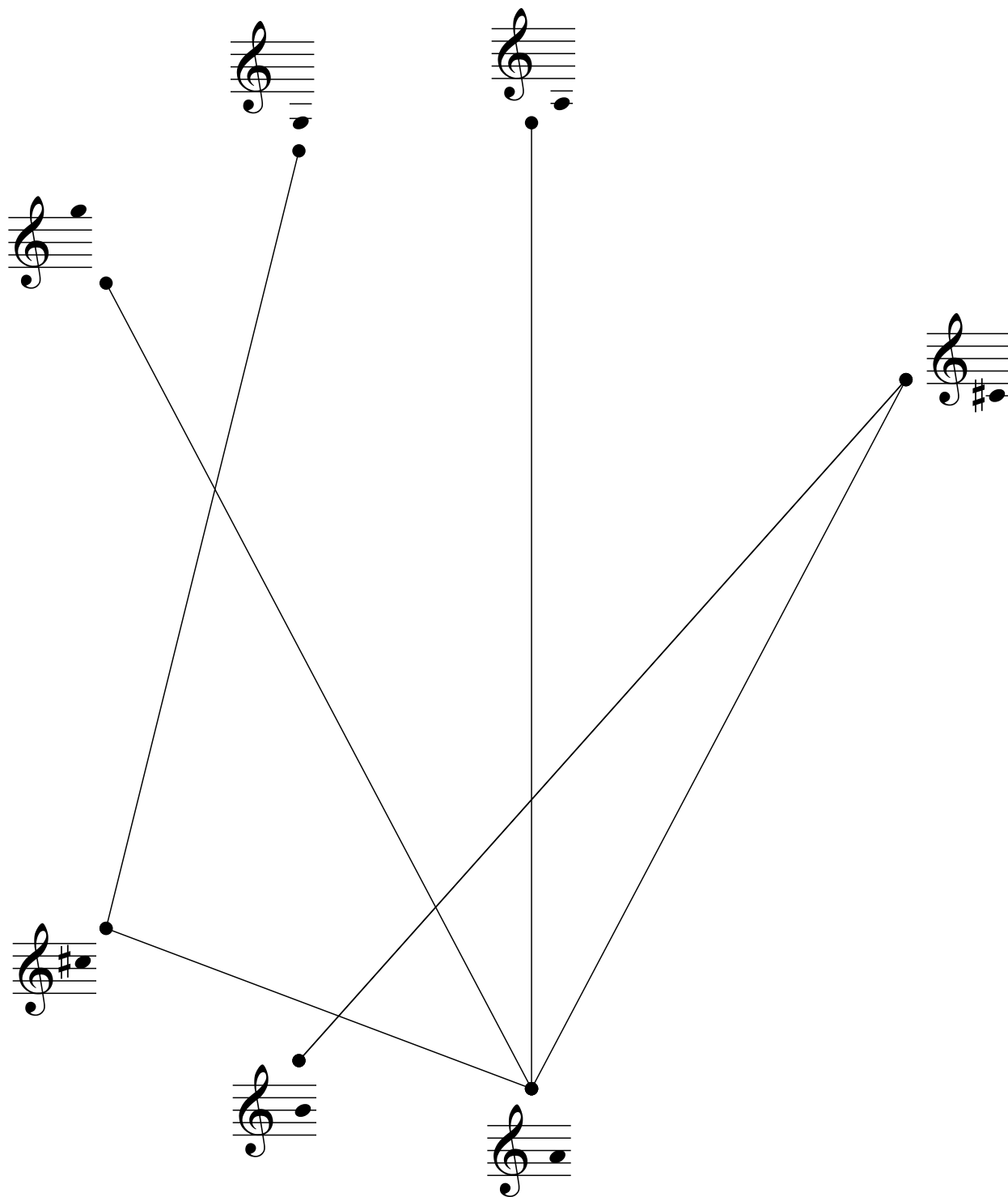
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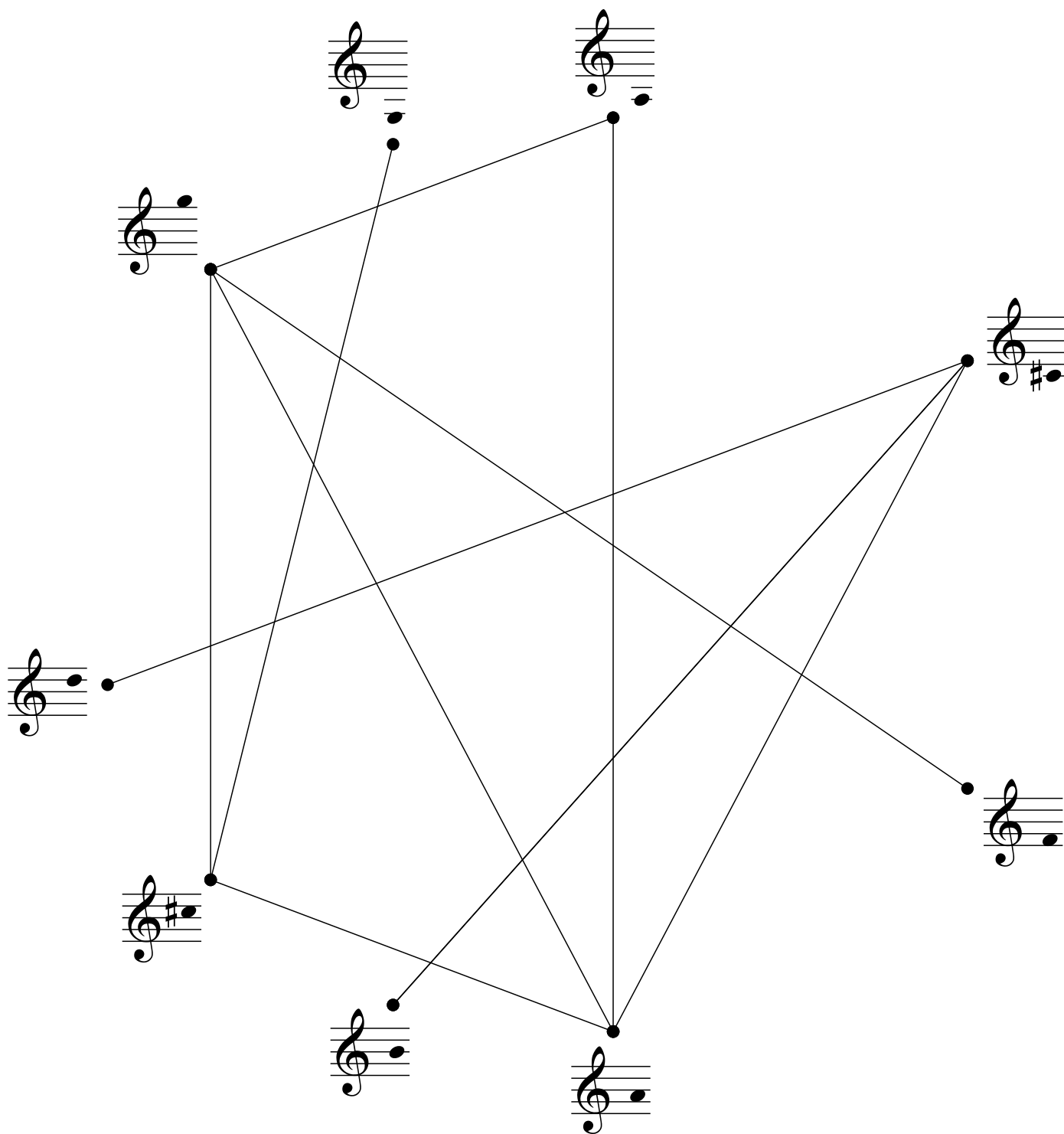
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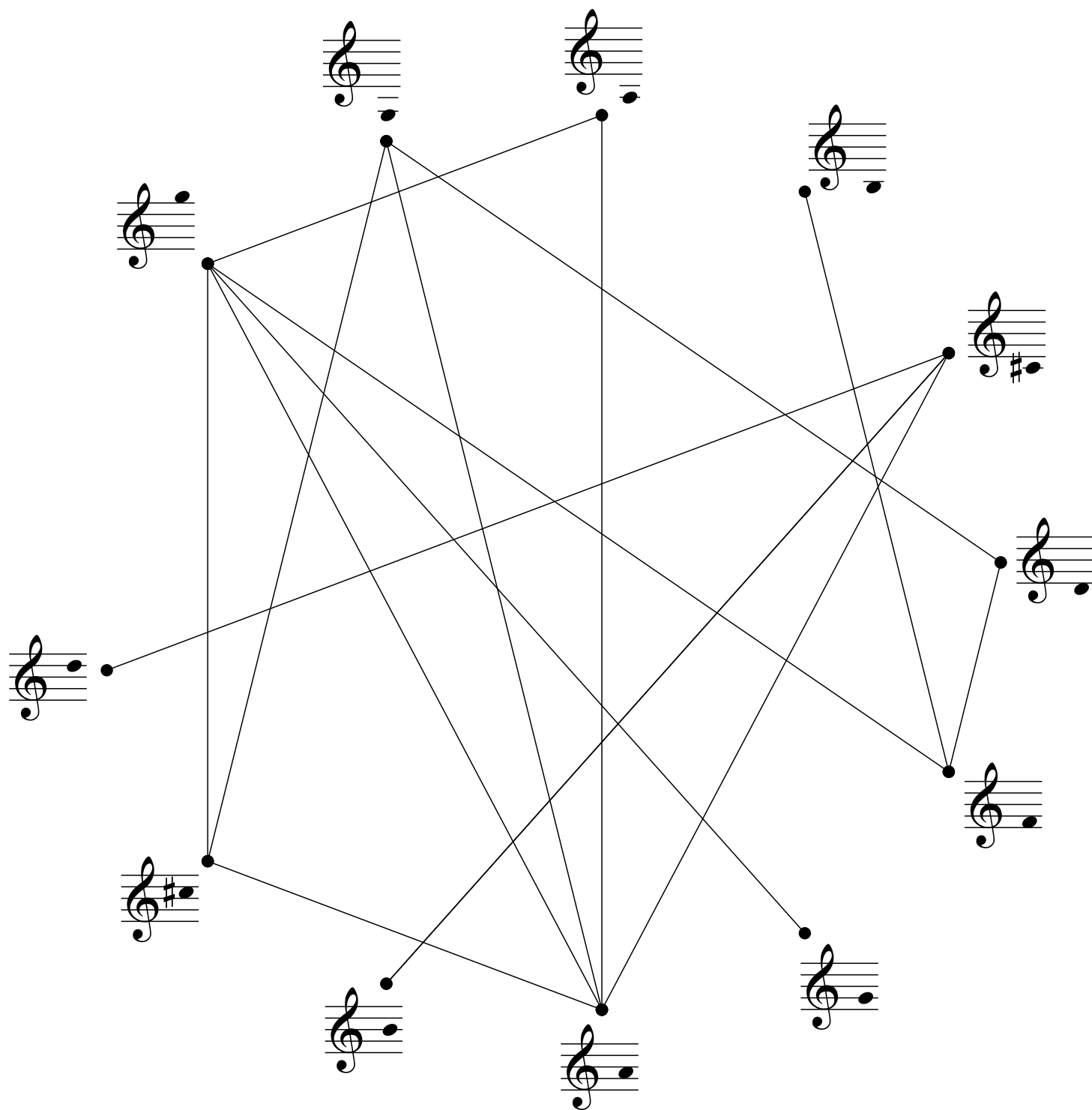
sections 3 - 14

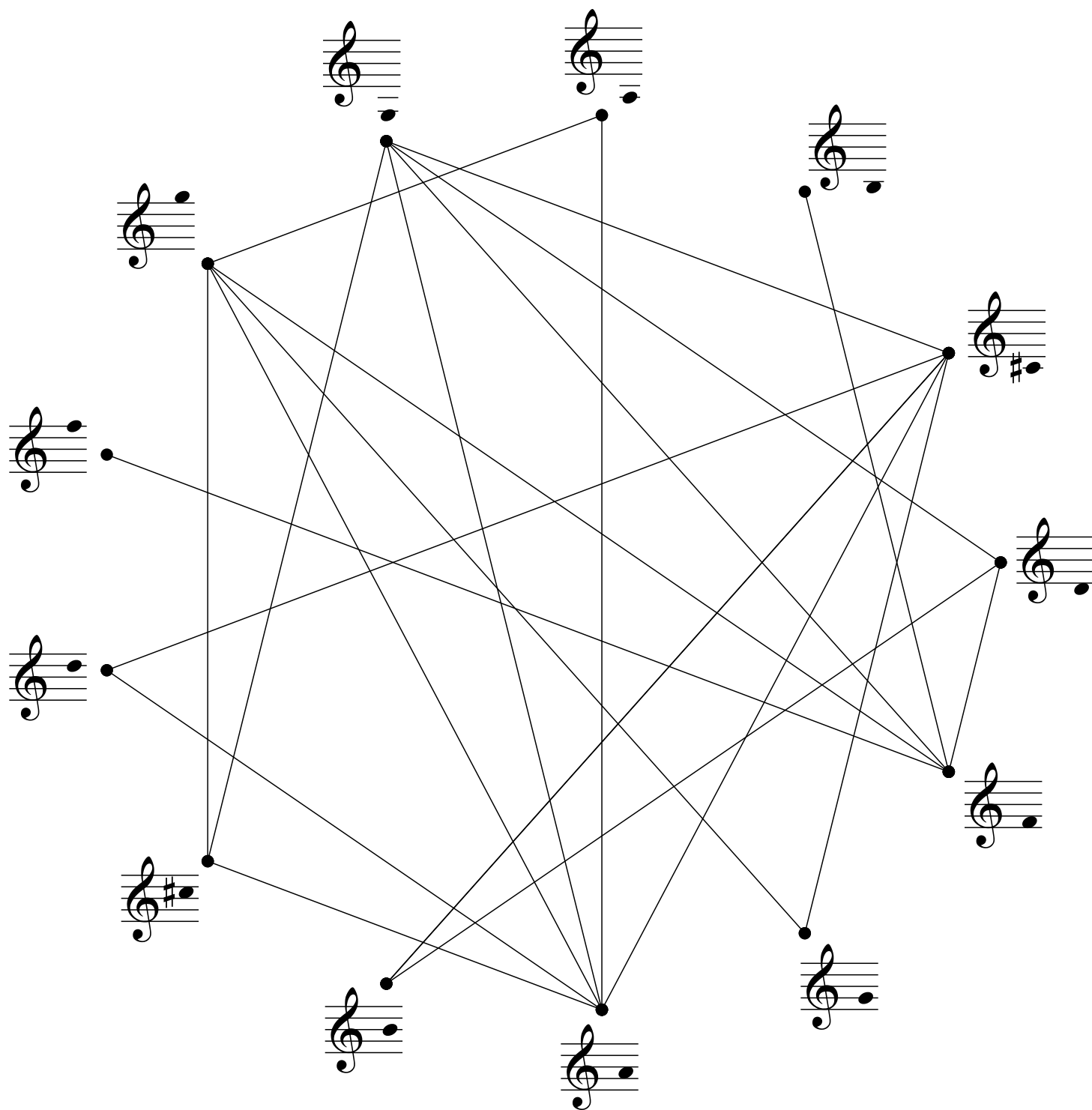


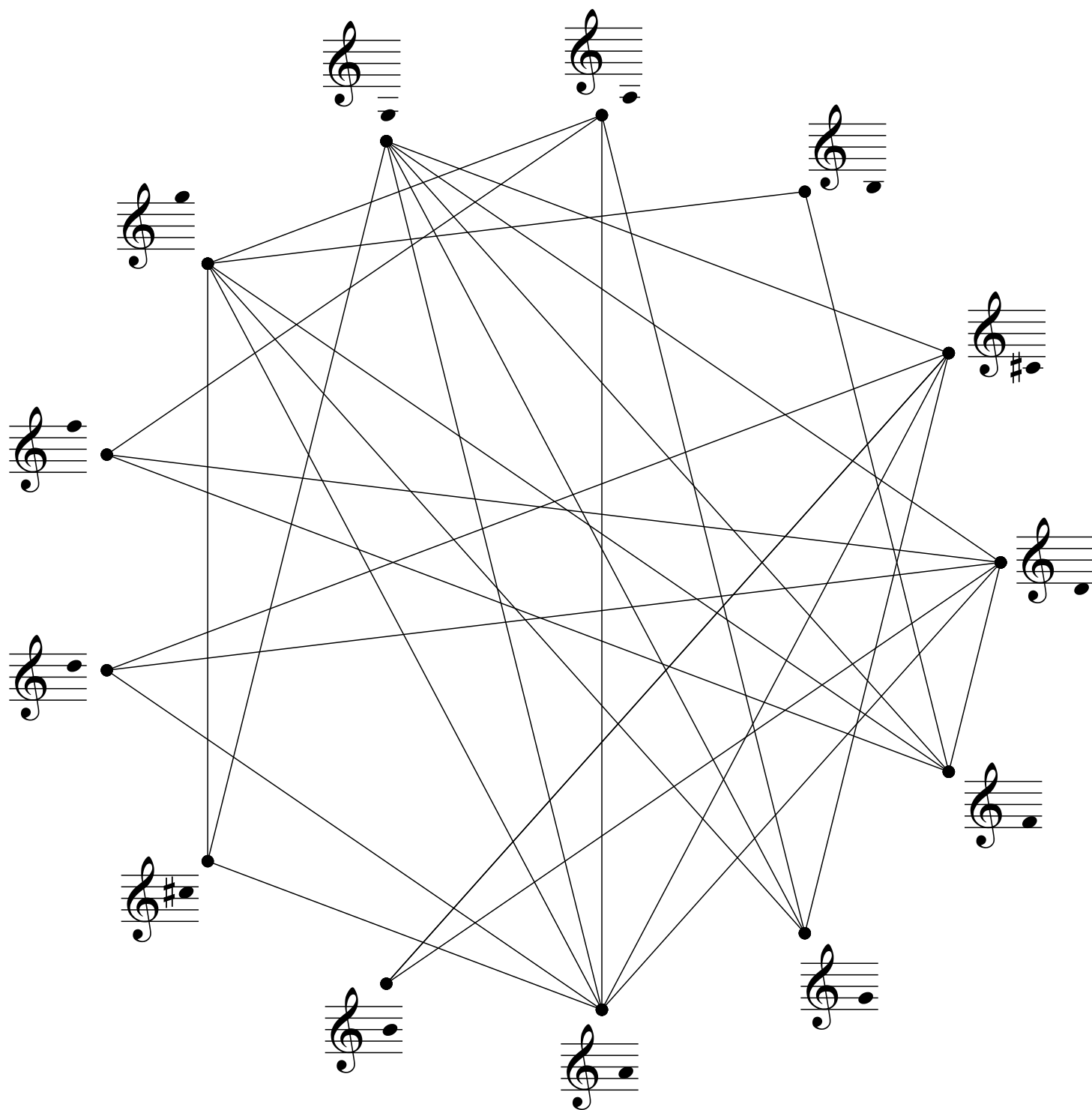


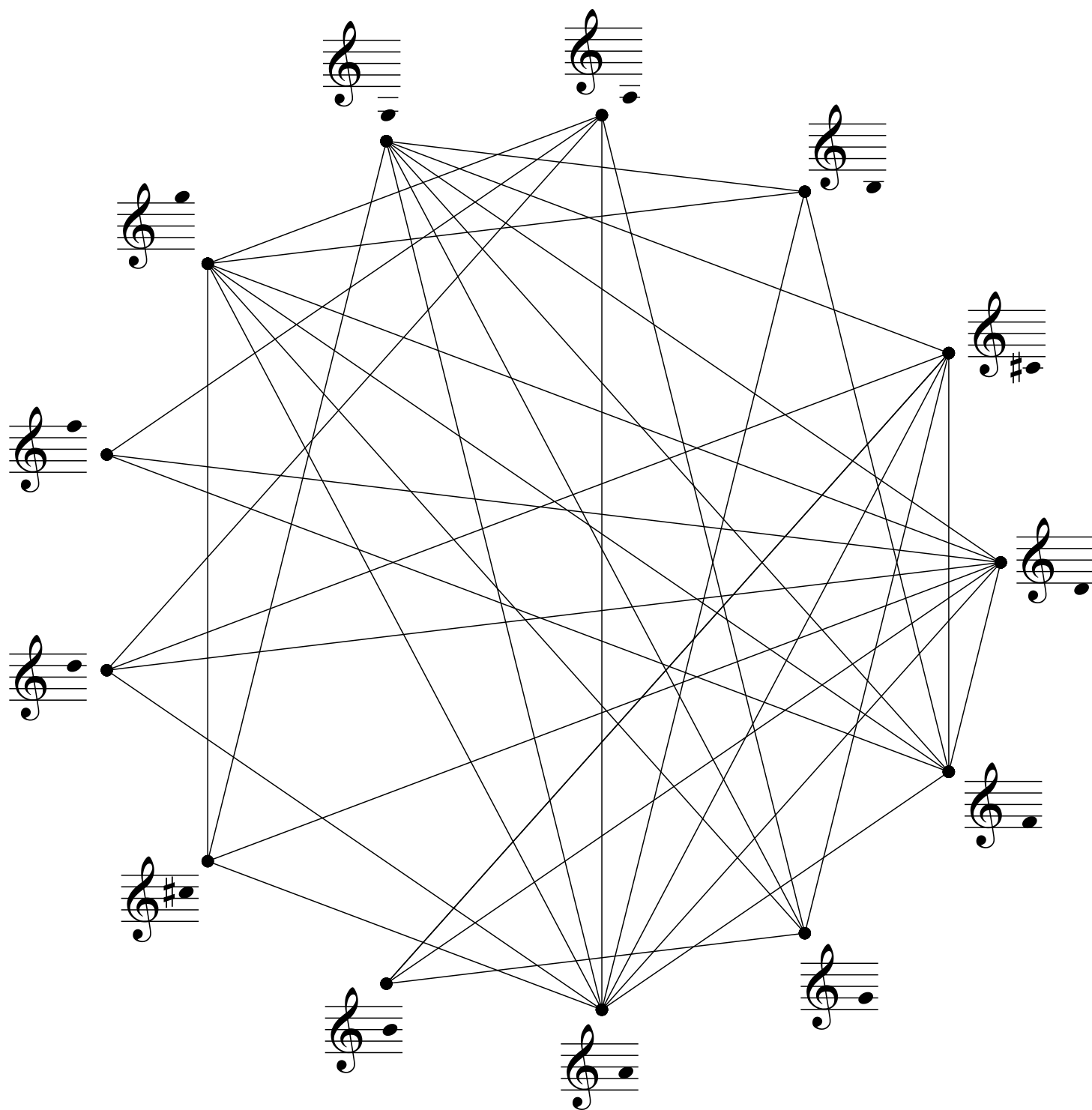


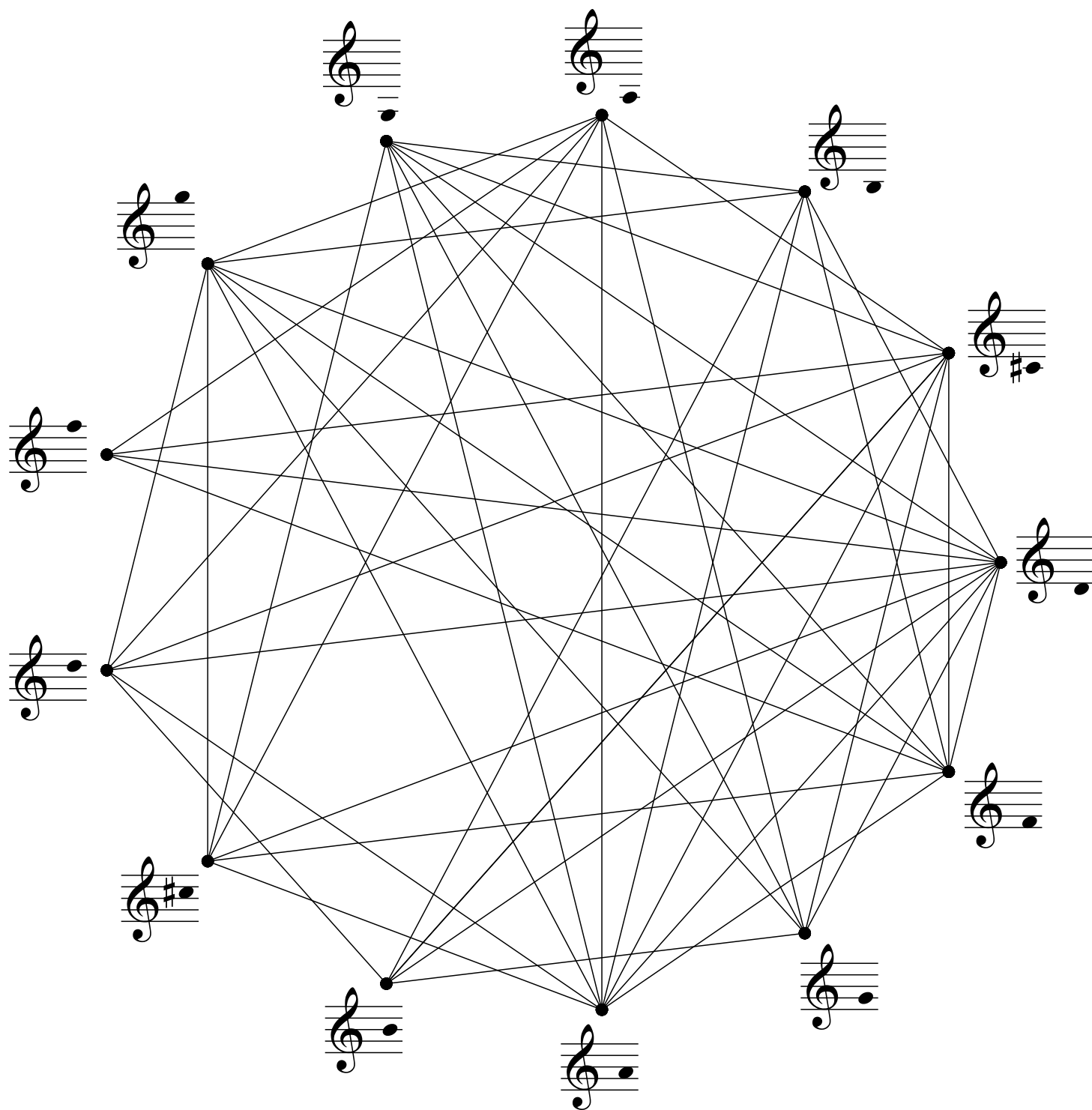


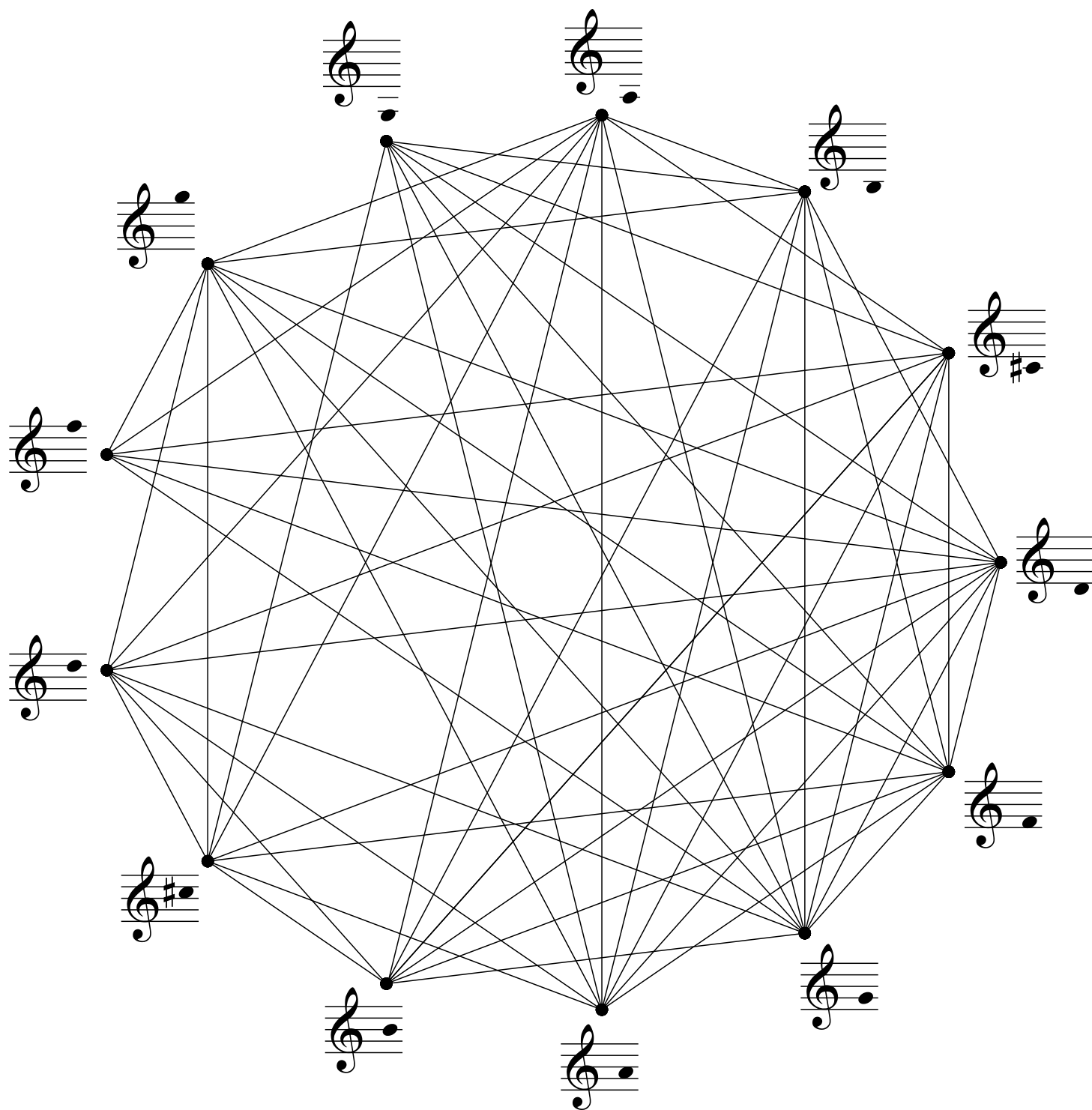


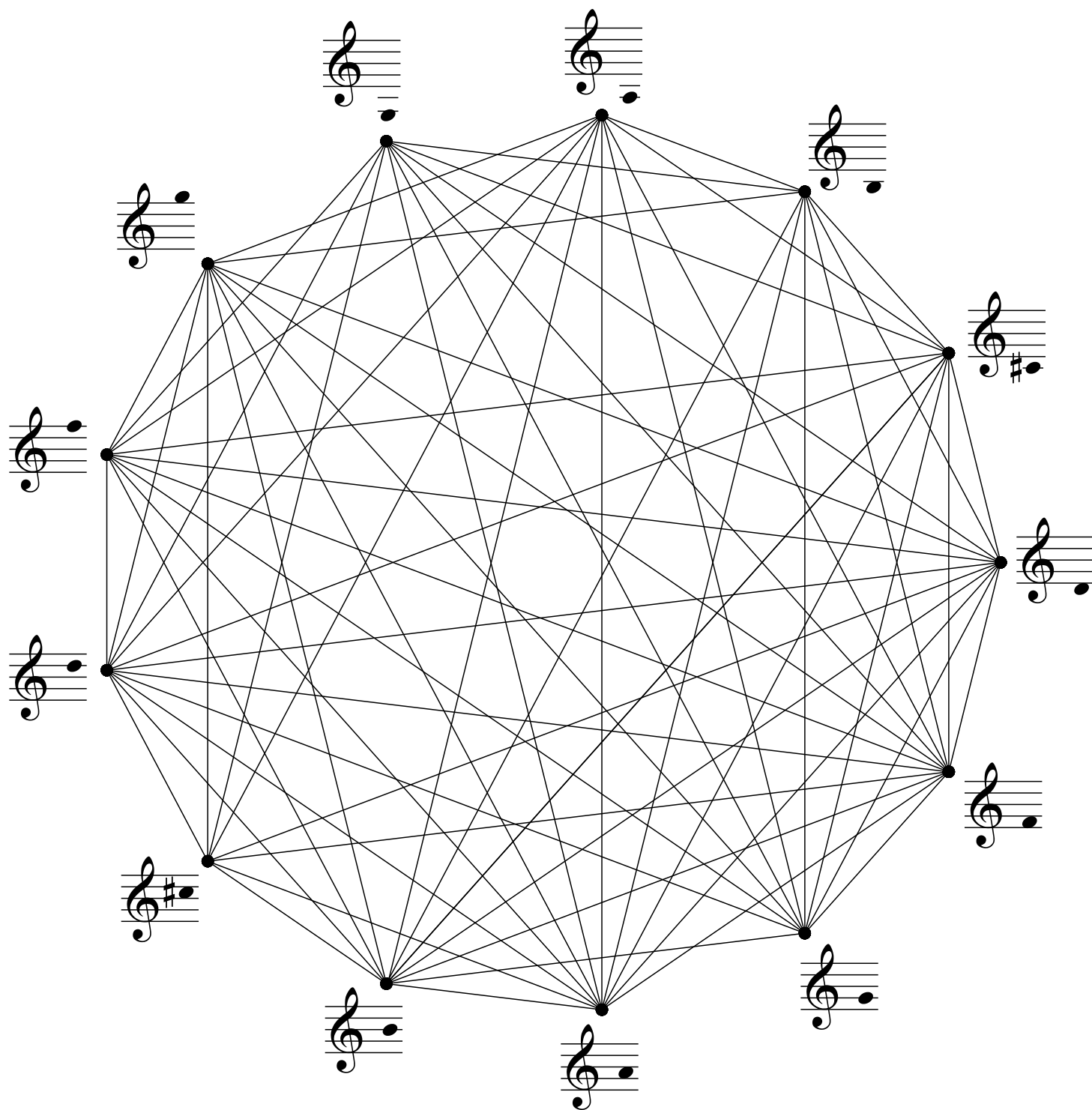


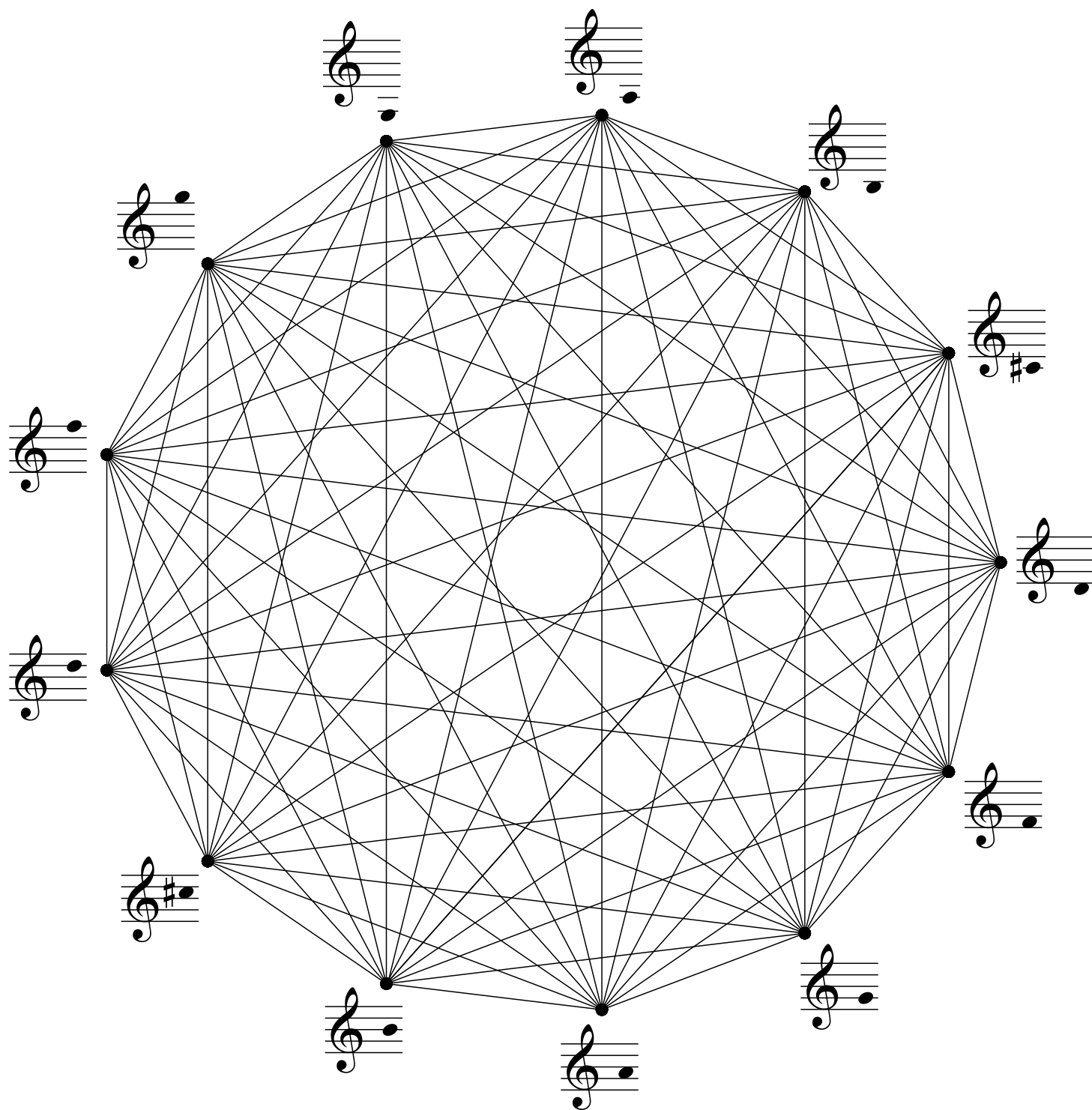








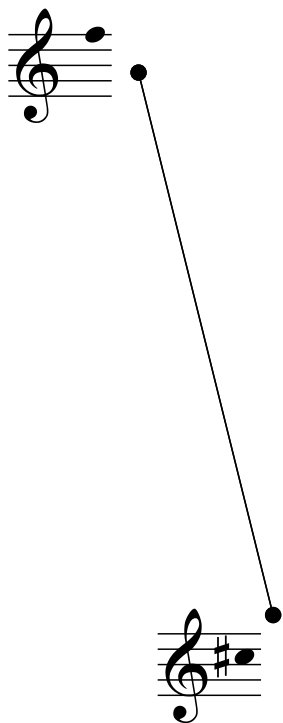


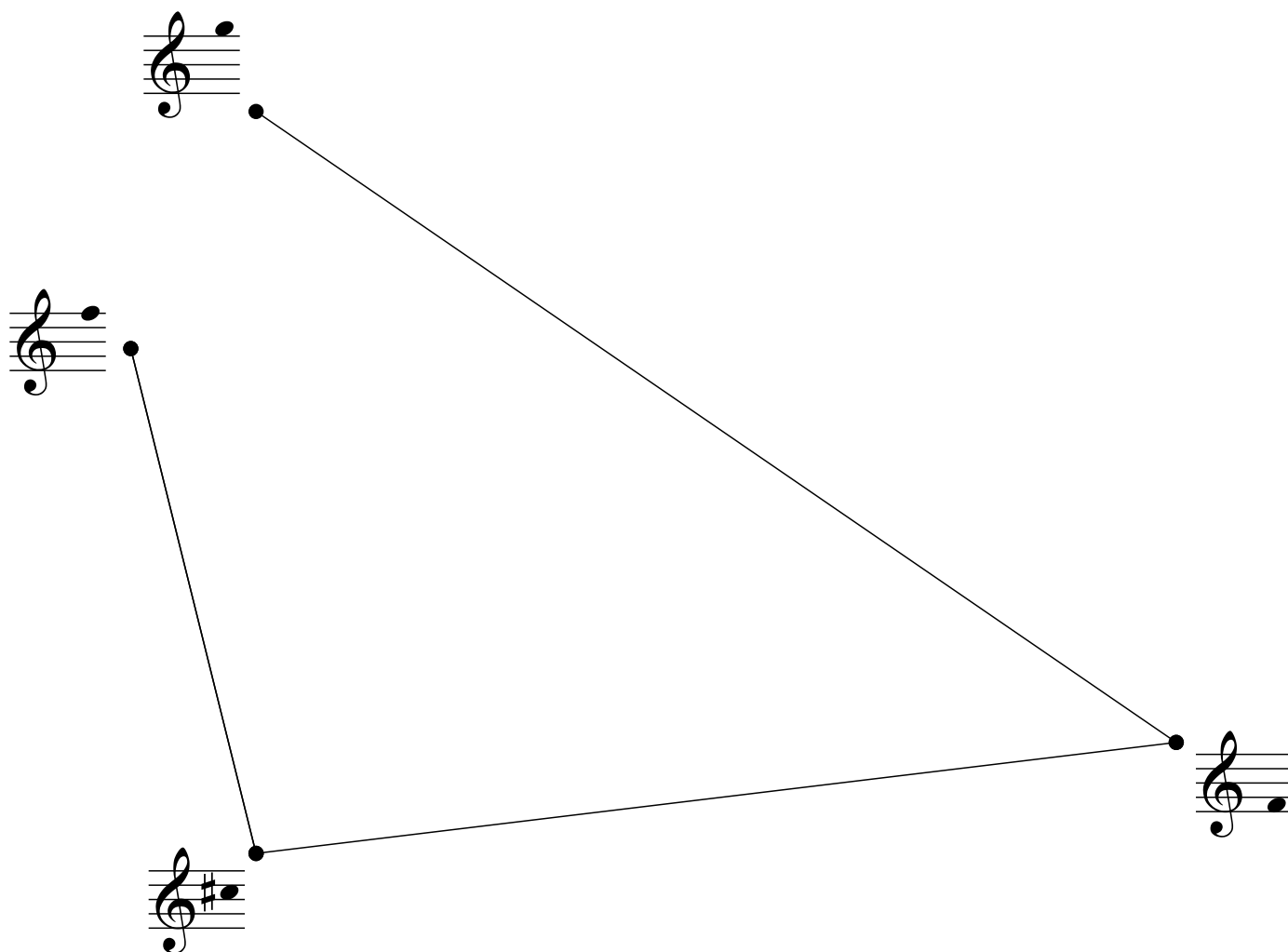


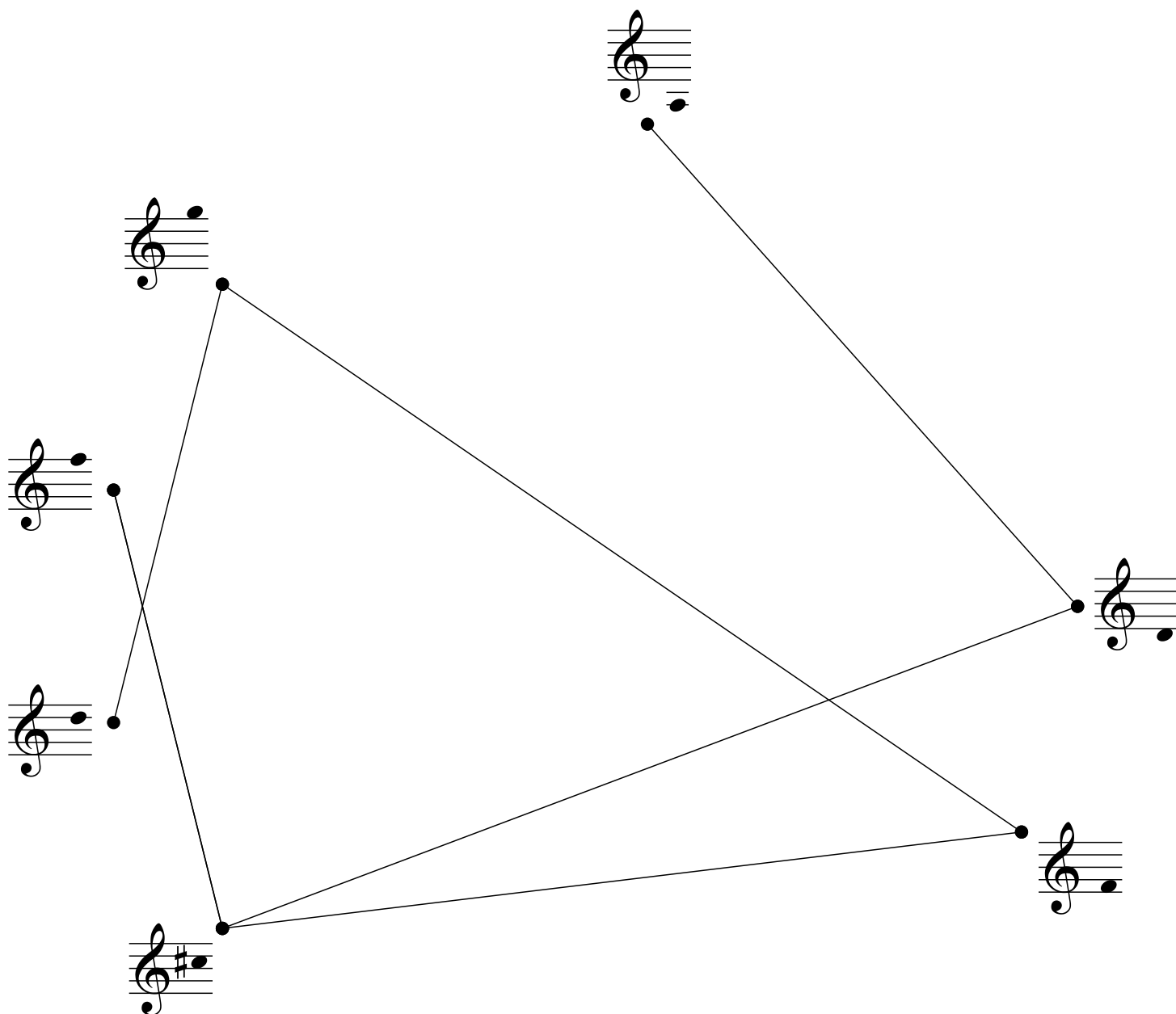
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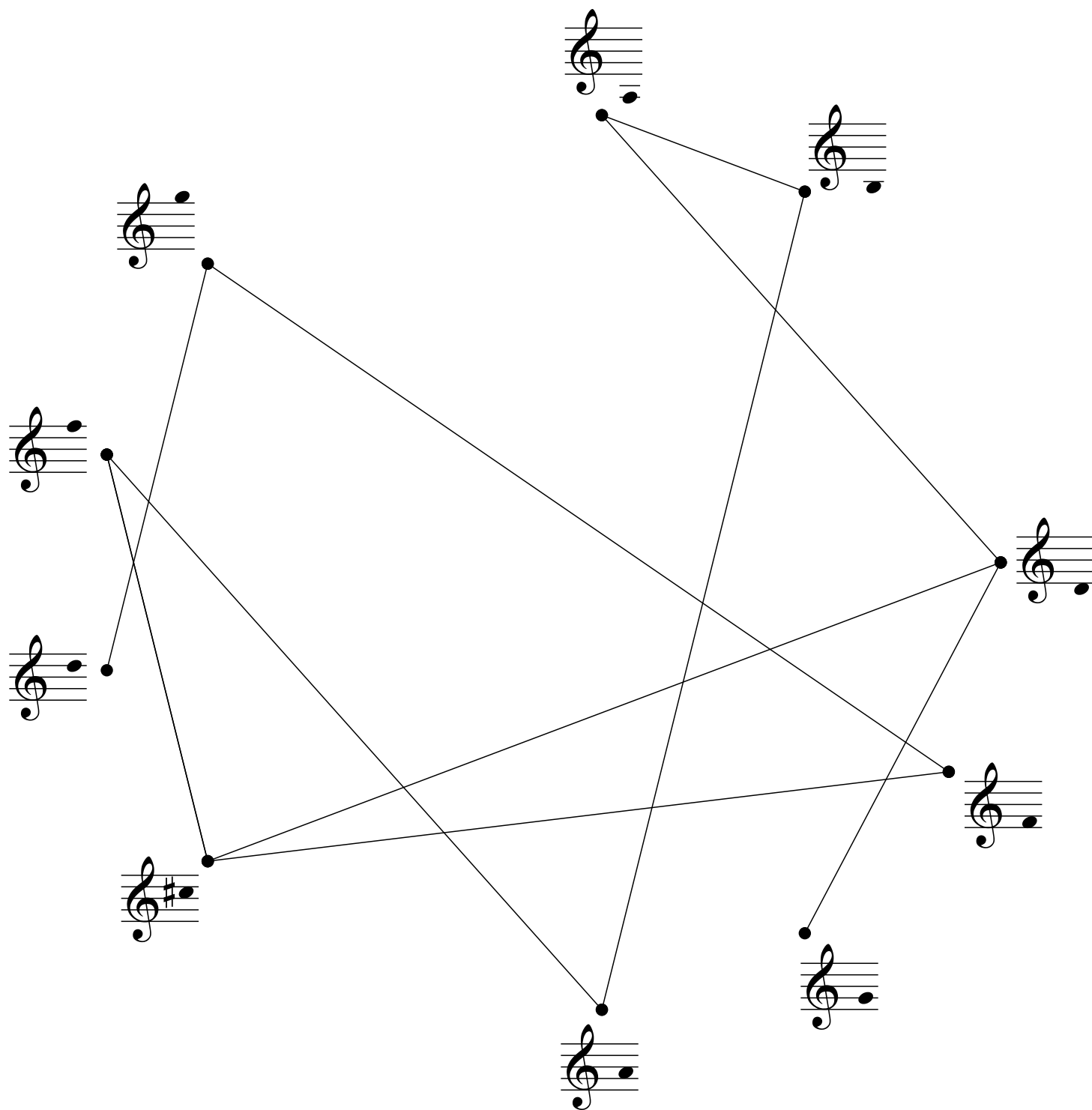
score realization 4

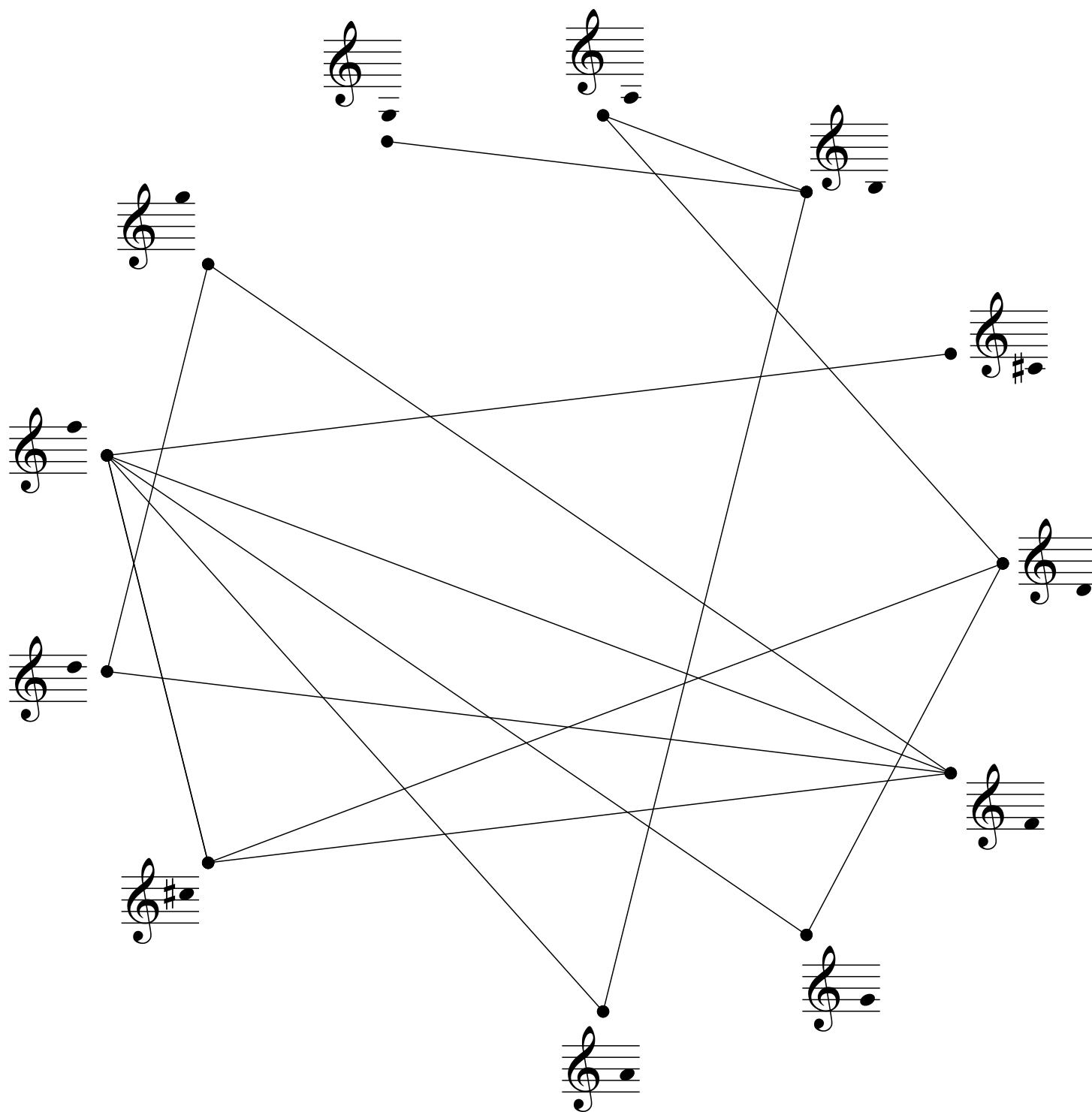
sections 3 - 14

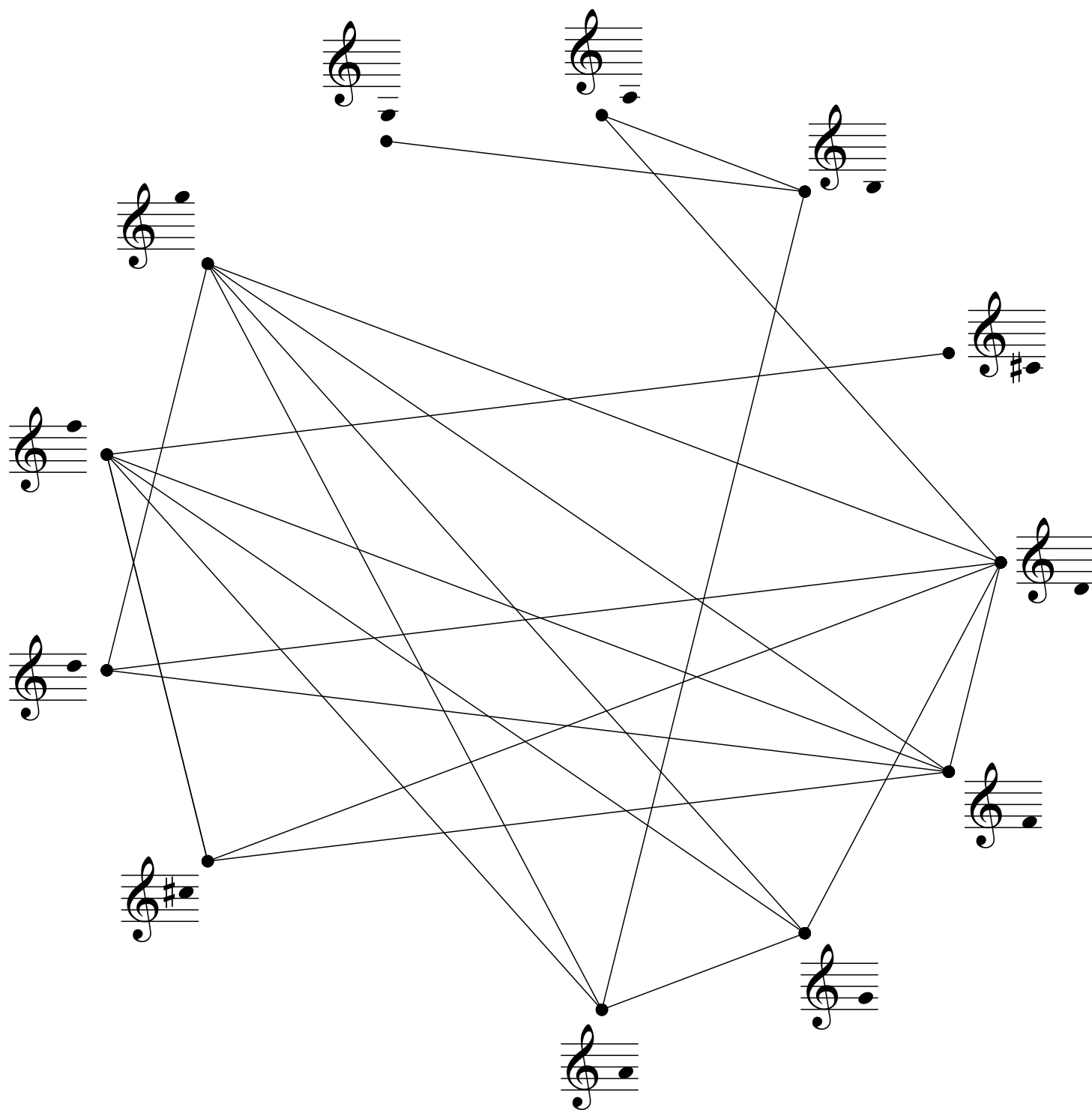


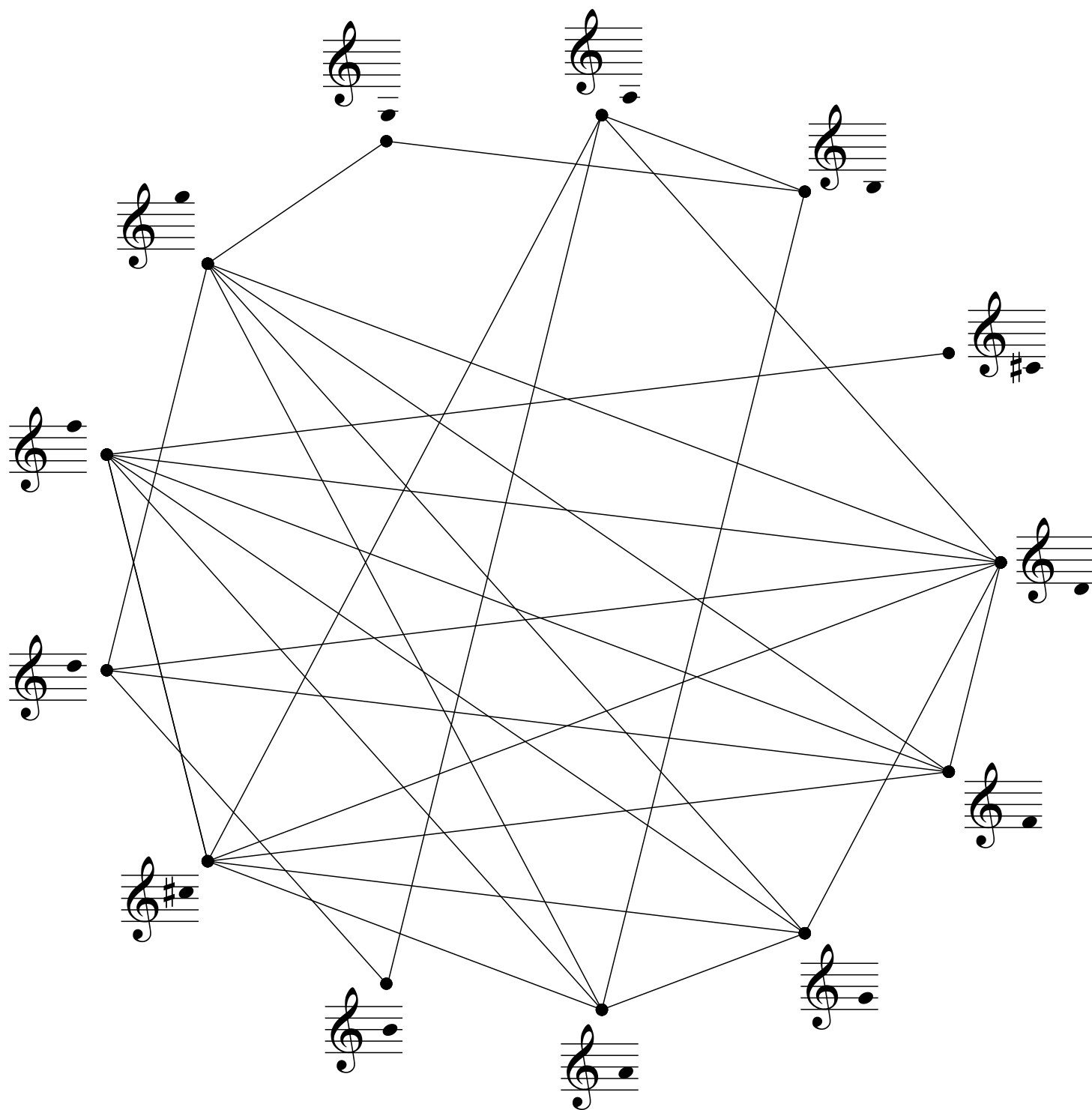


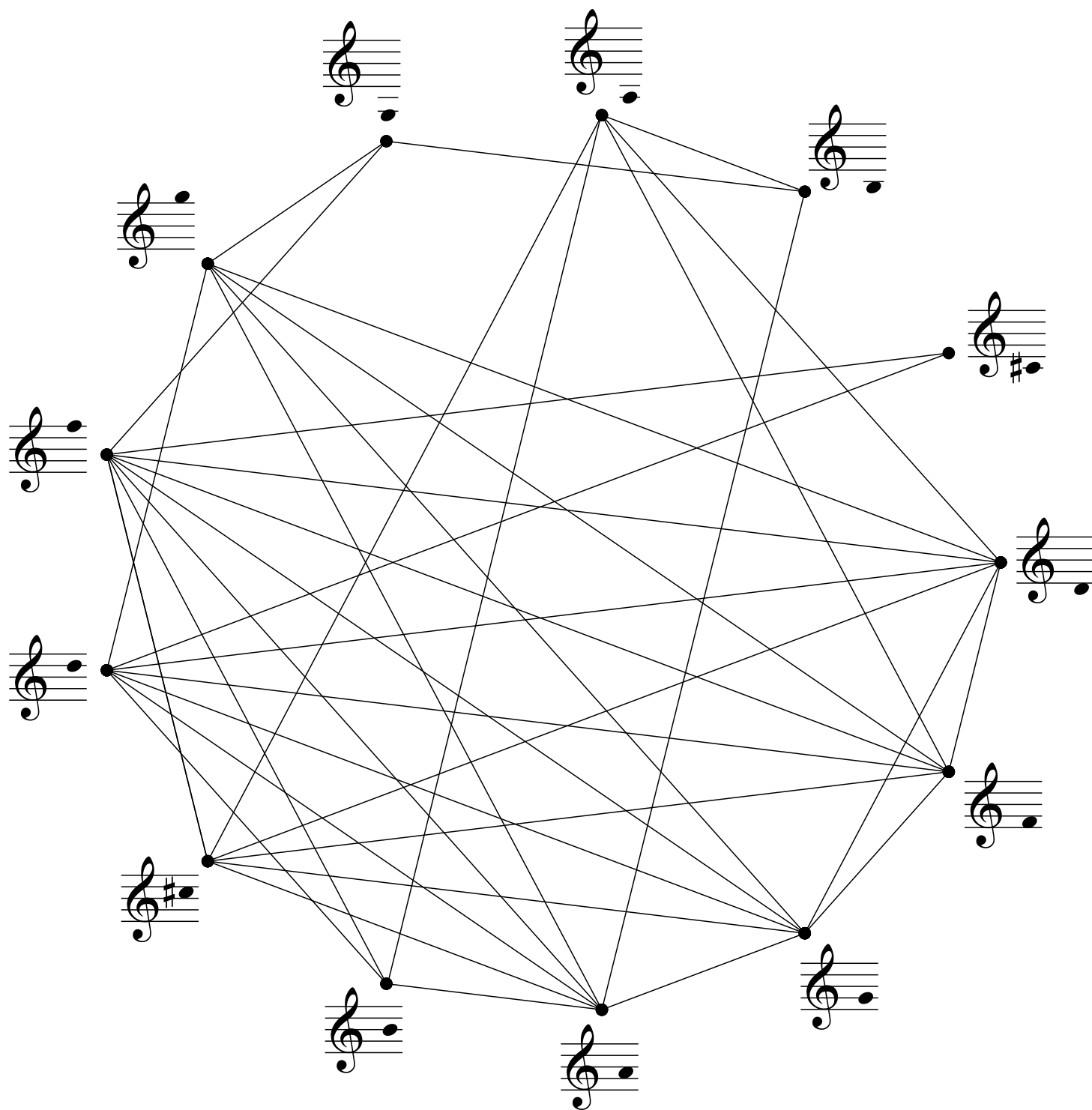


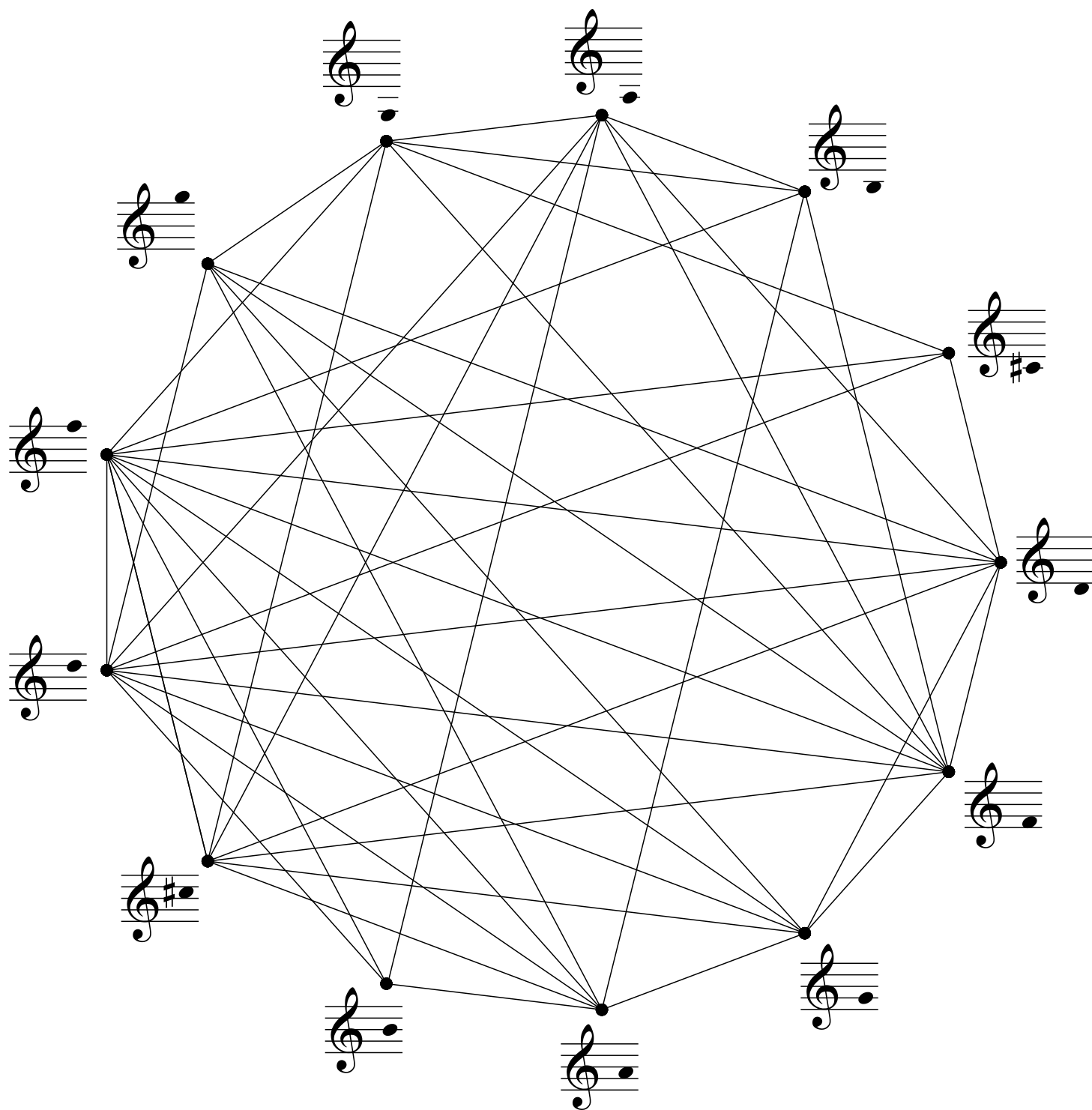


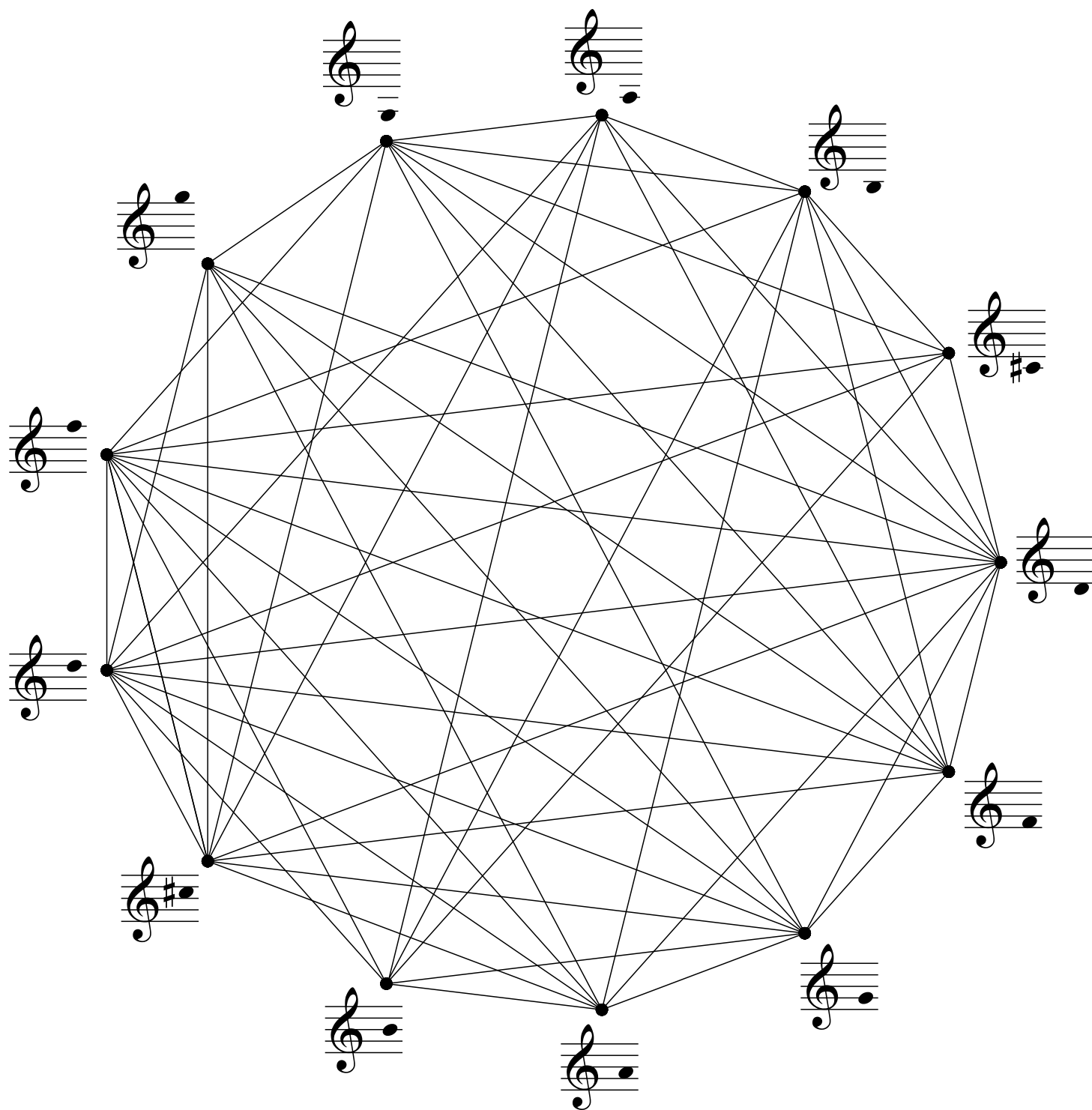


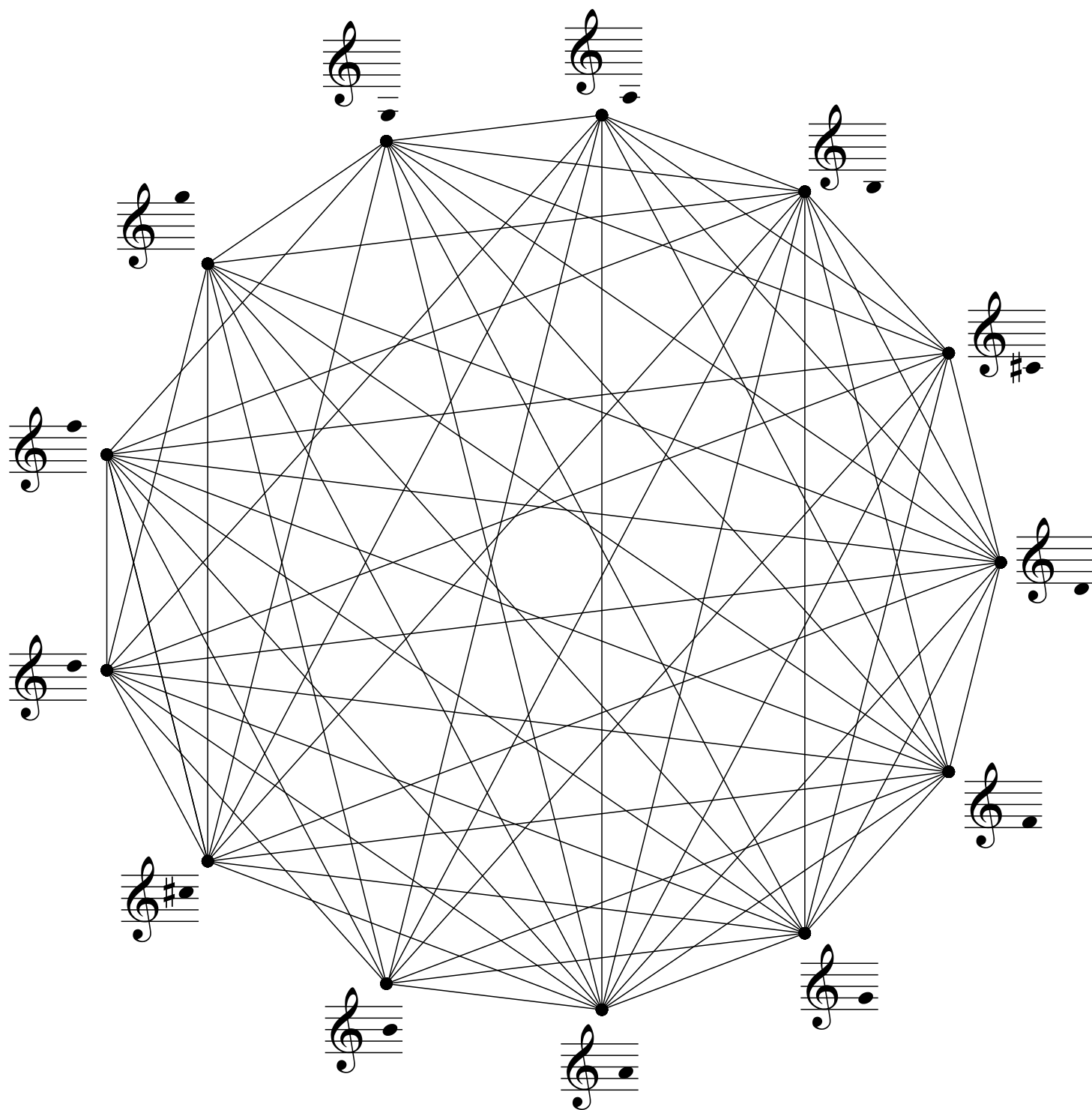


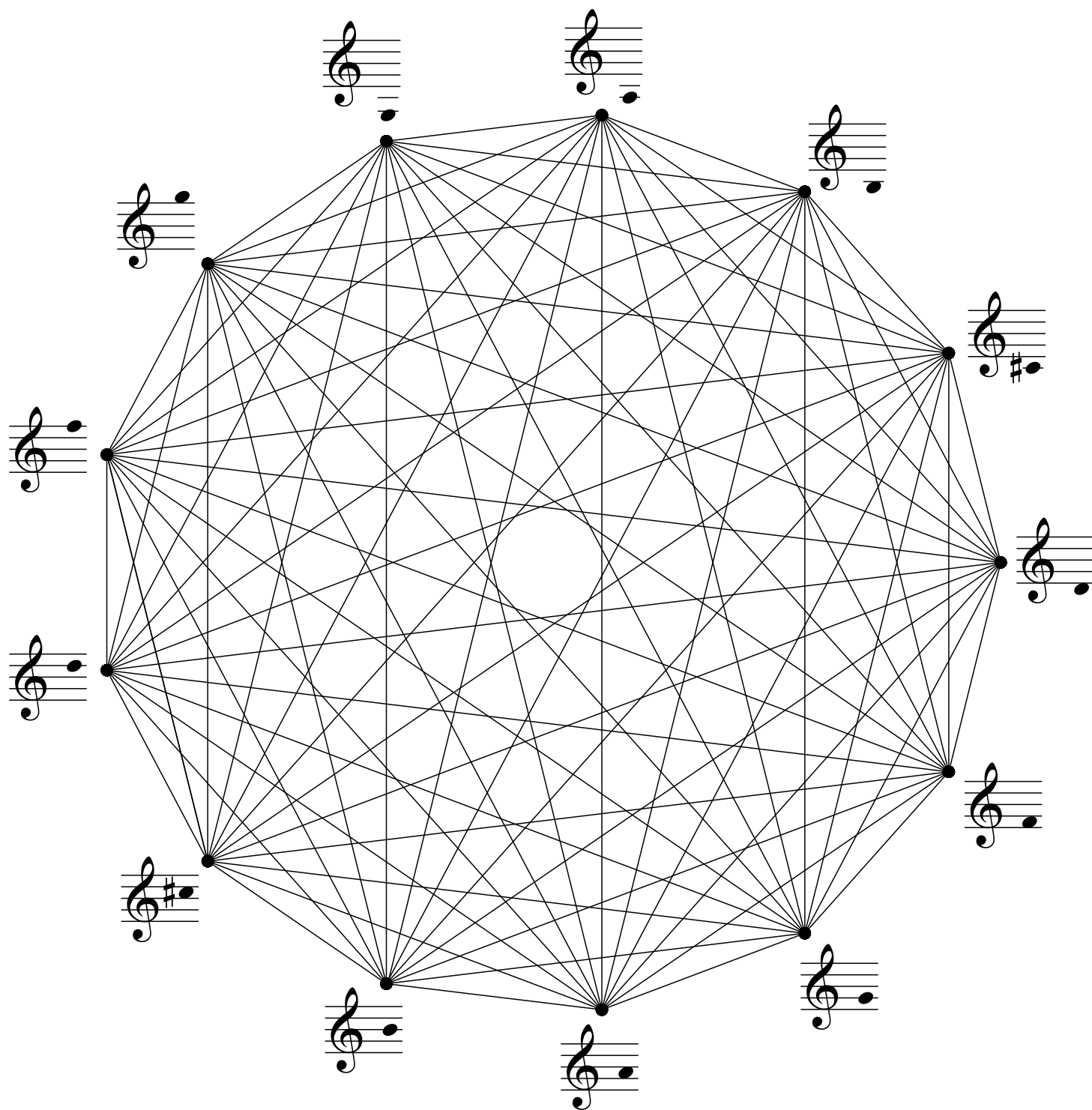








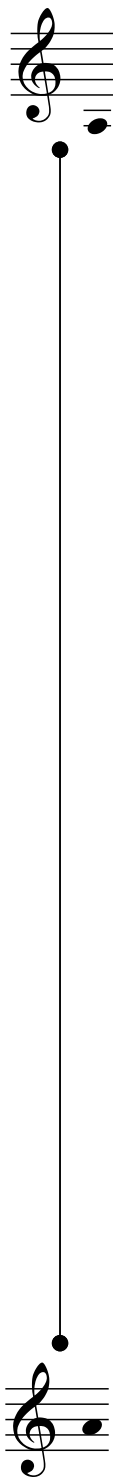


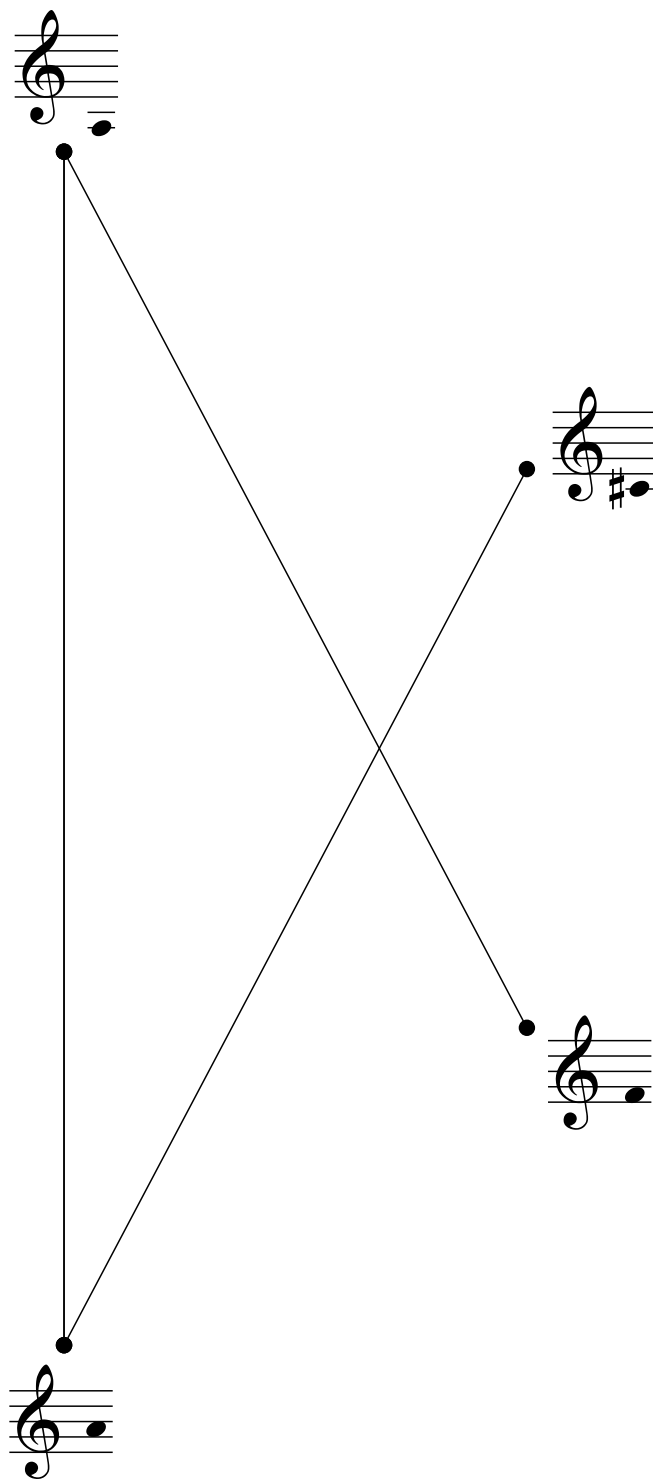


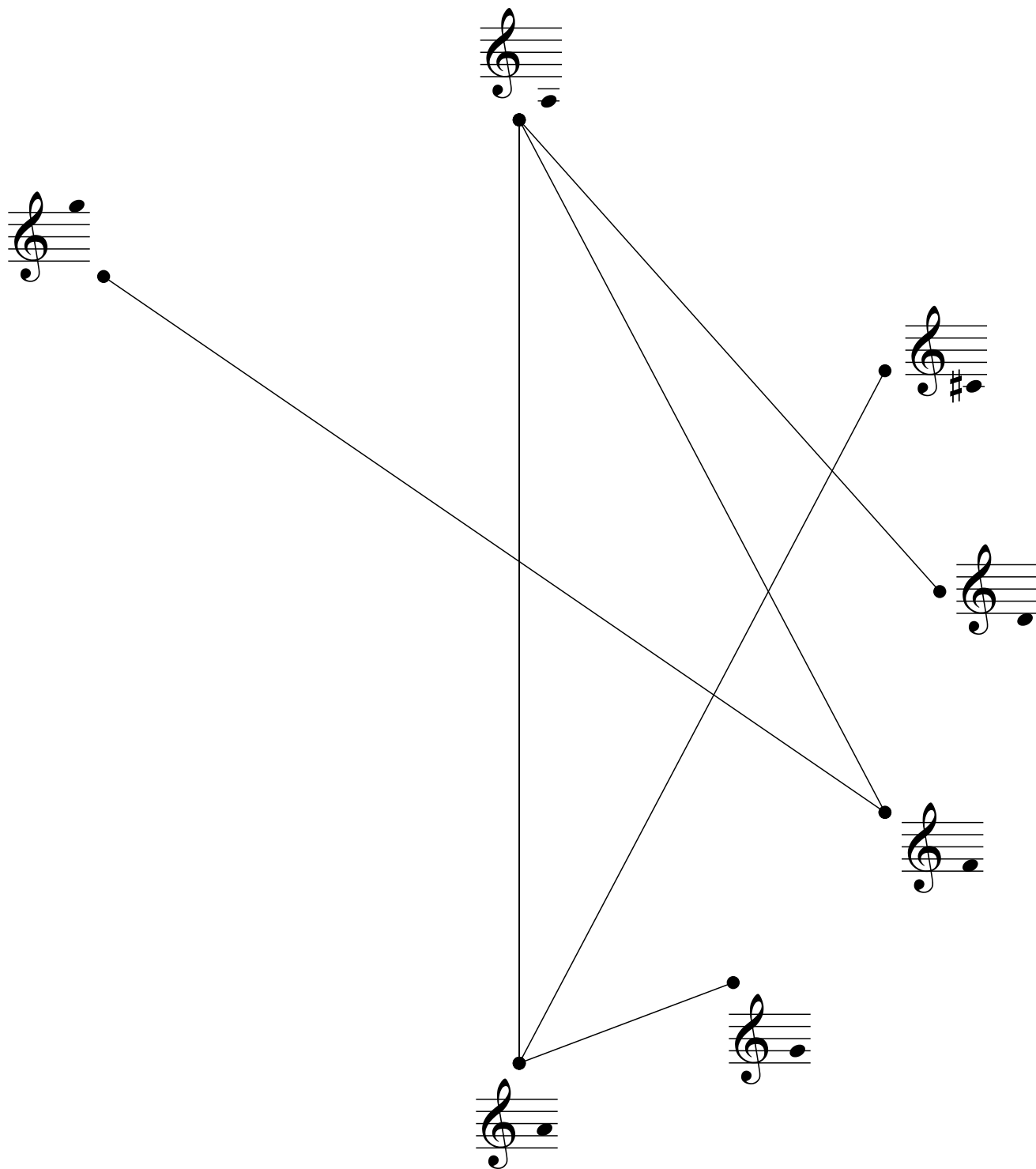
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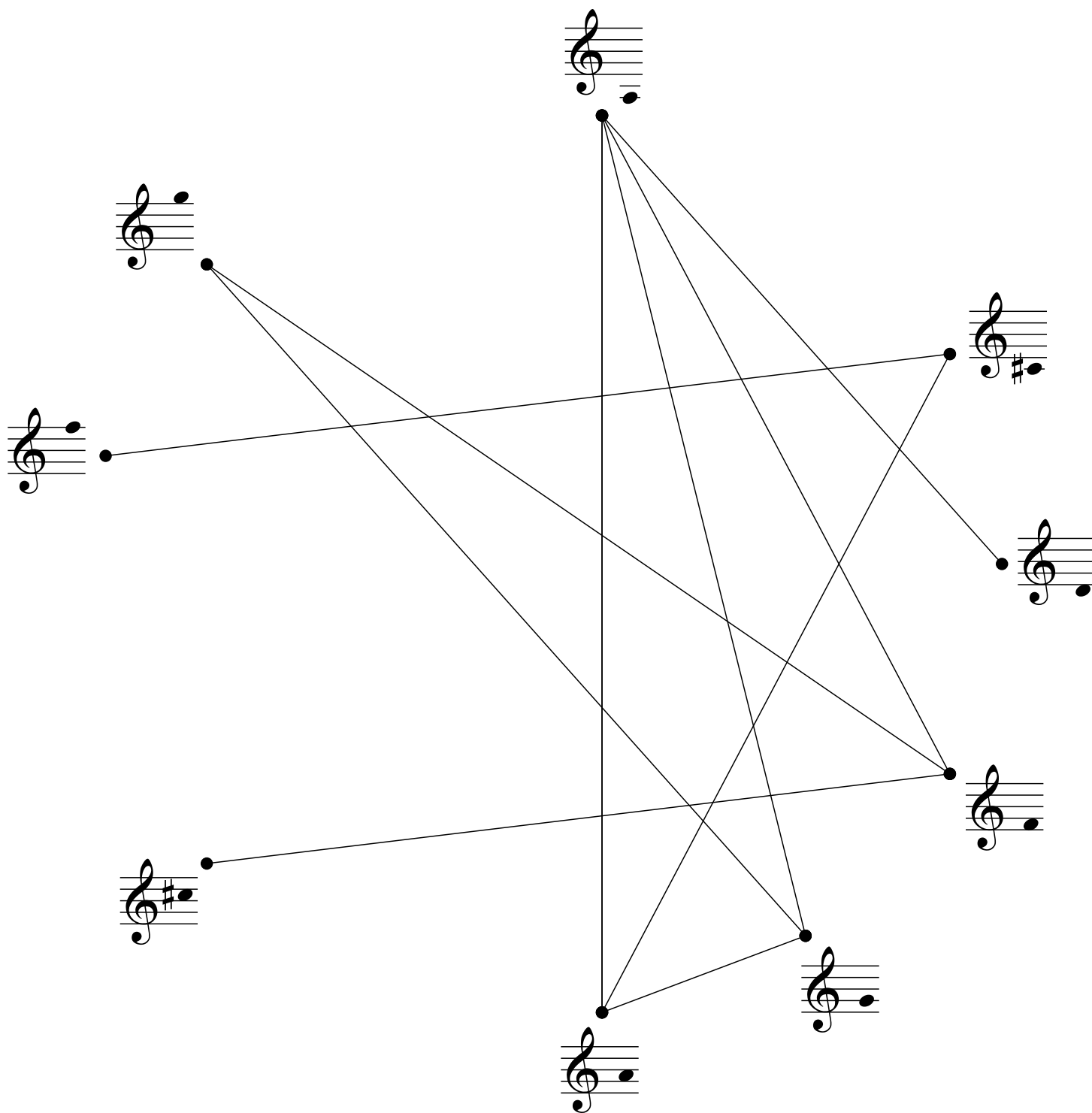
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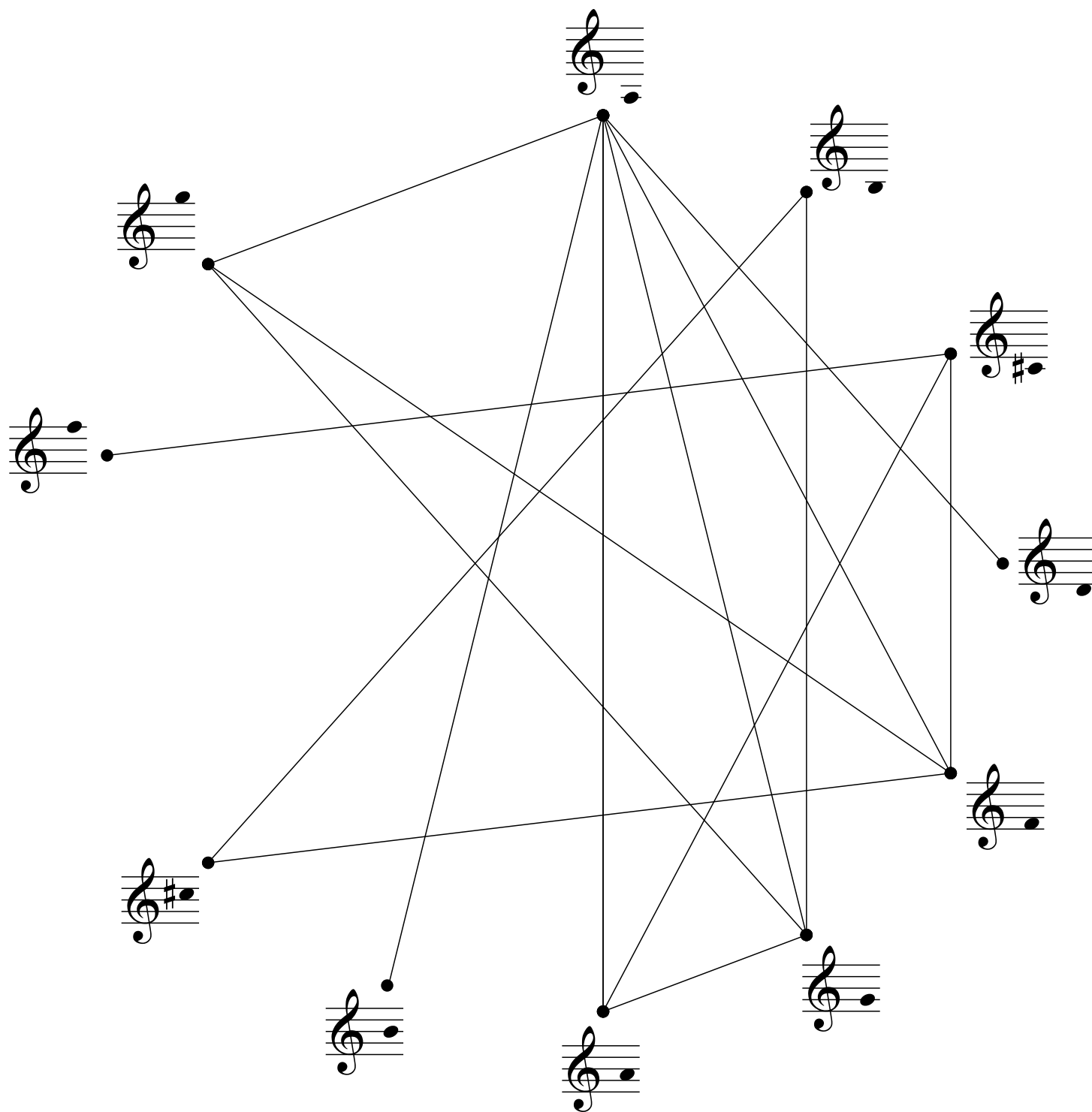
sections 3 - 14

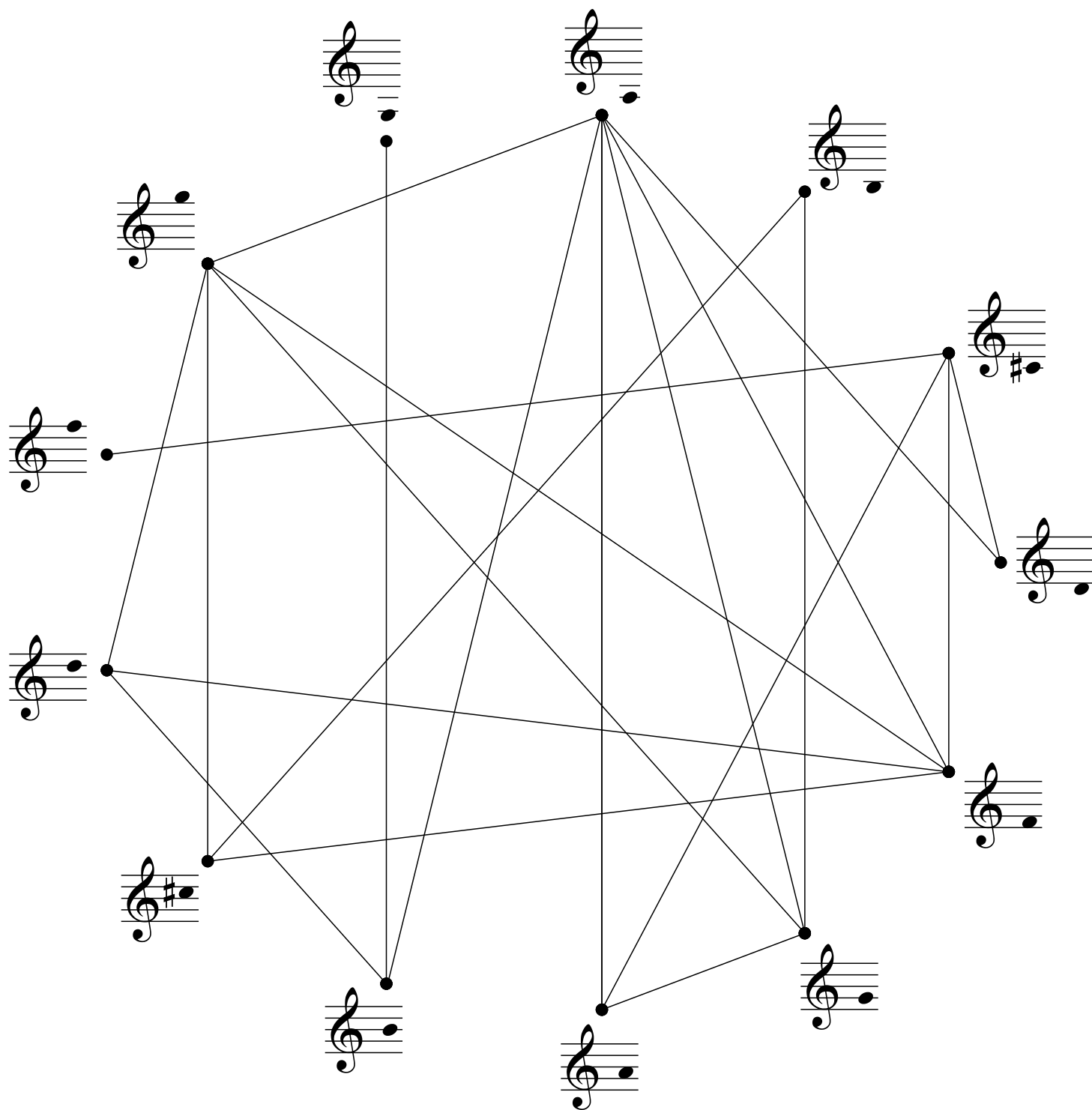


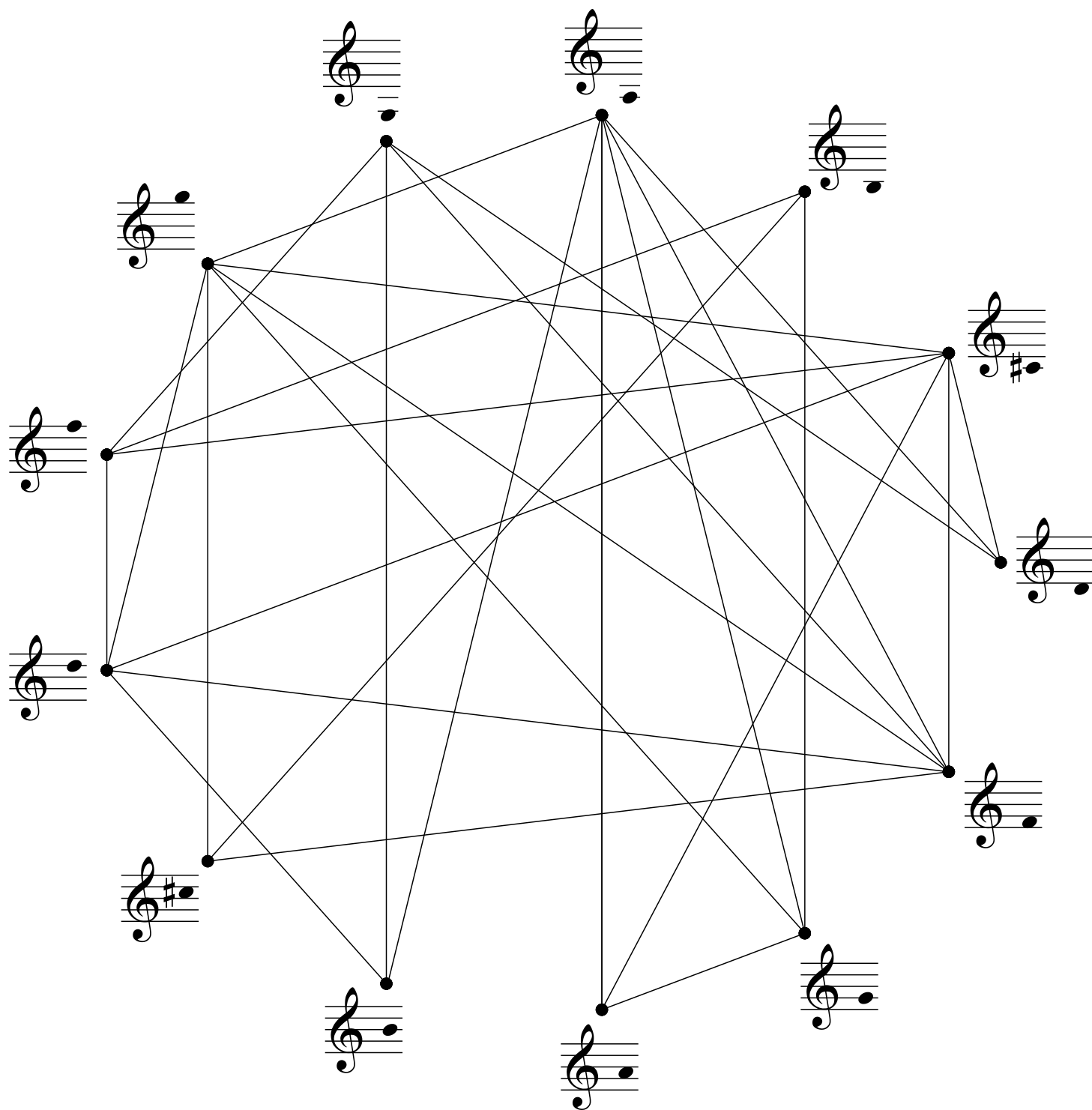


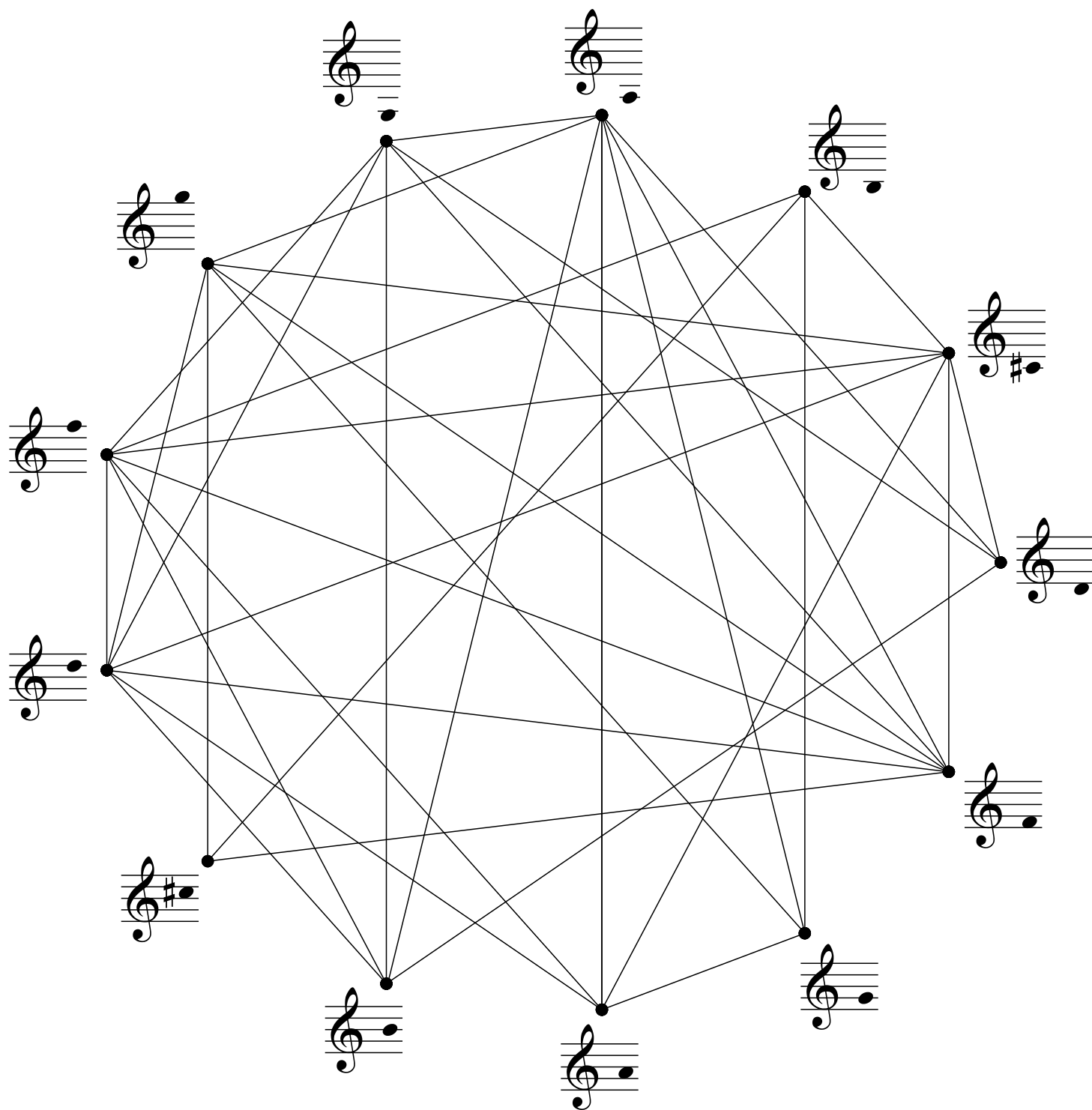


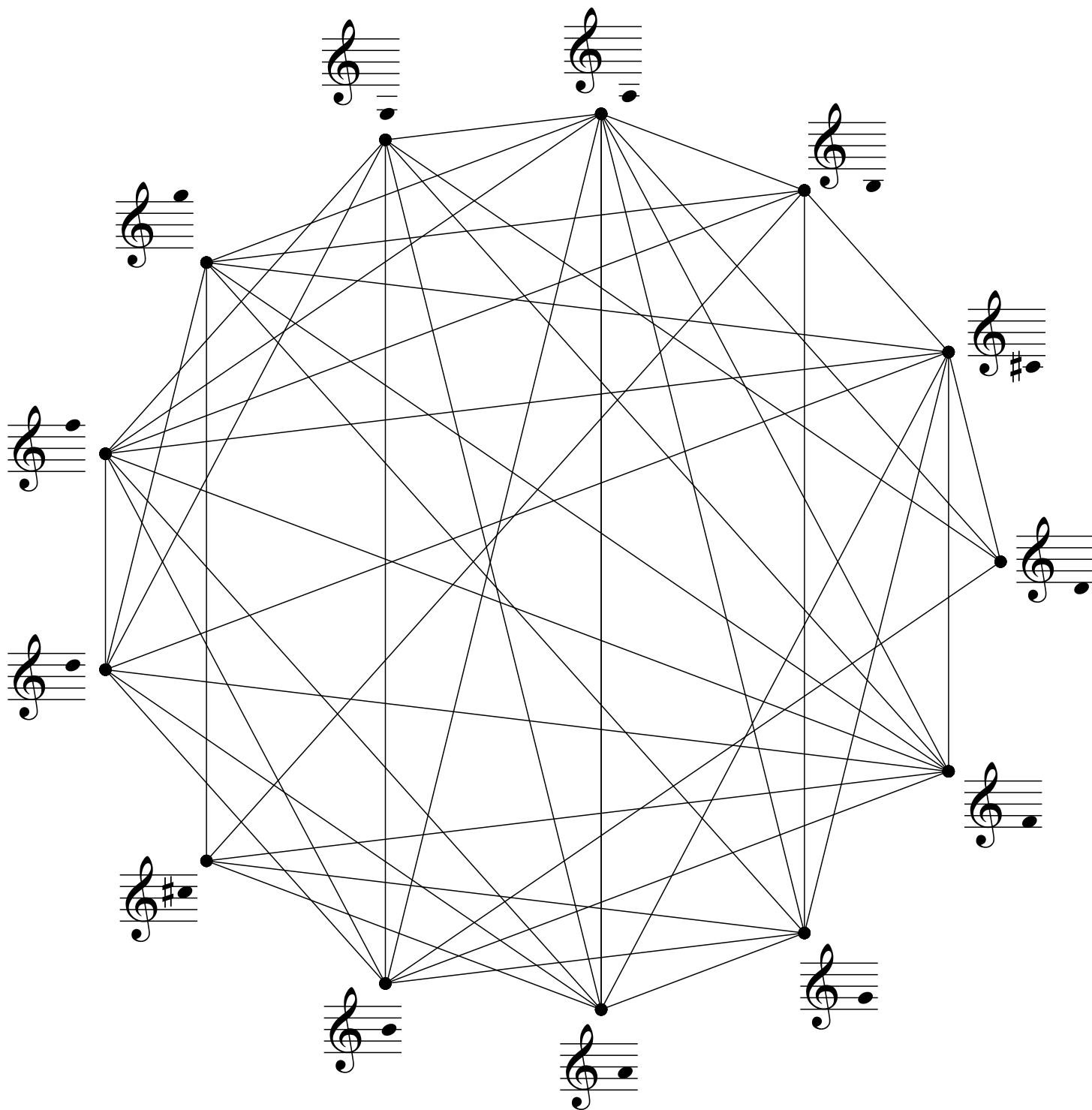


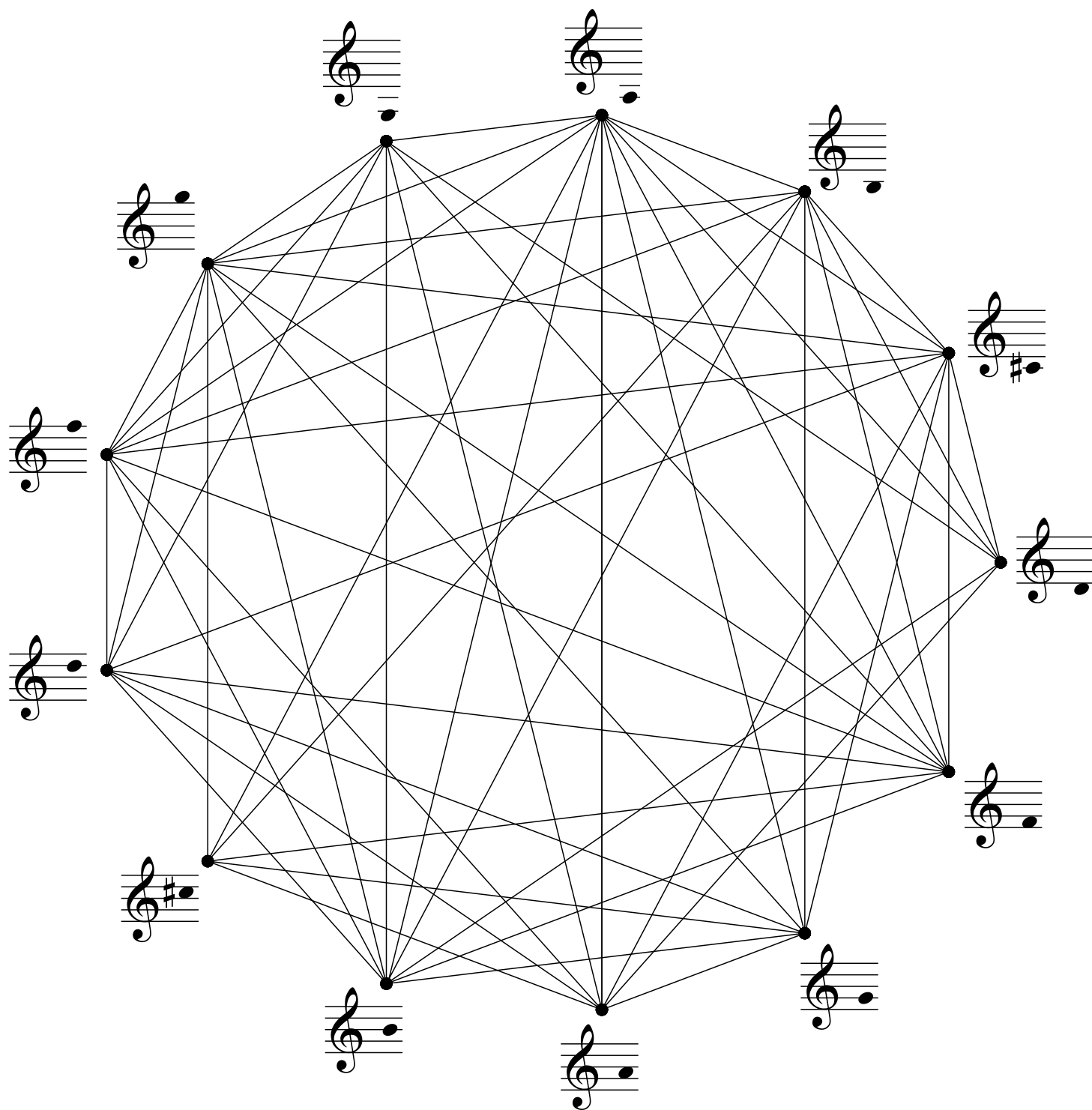


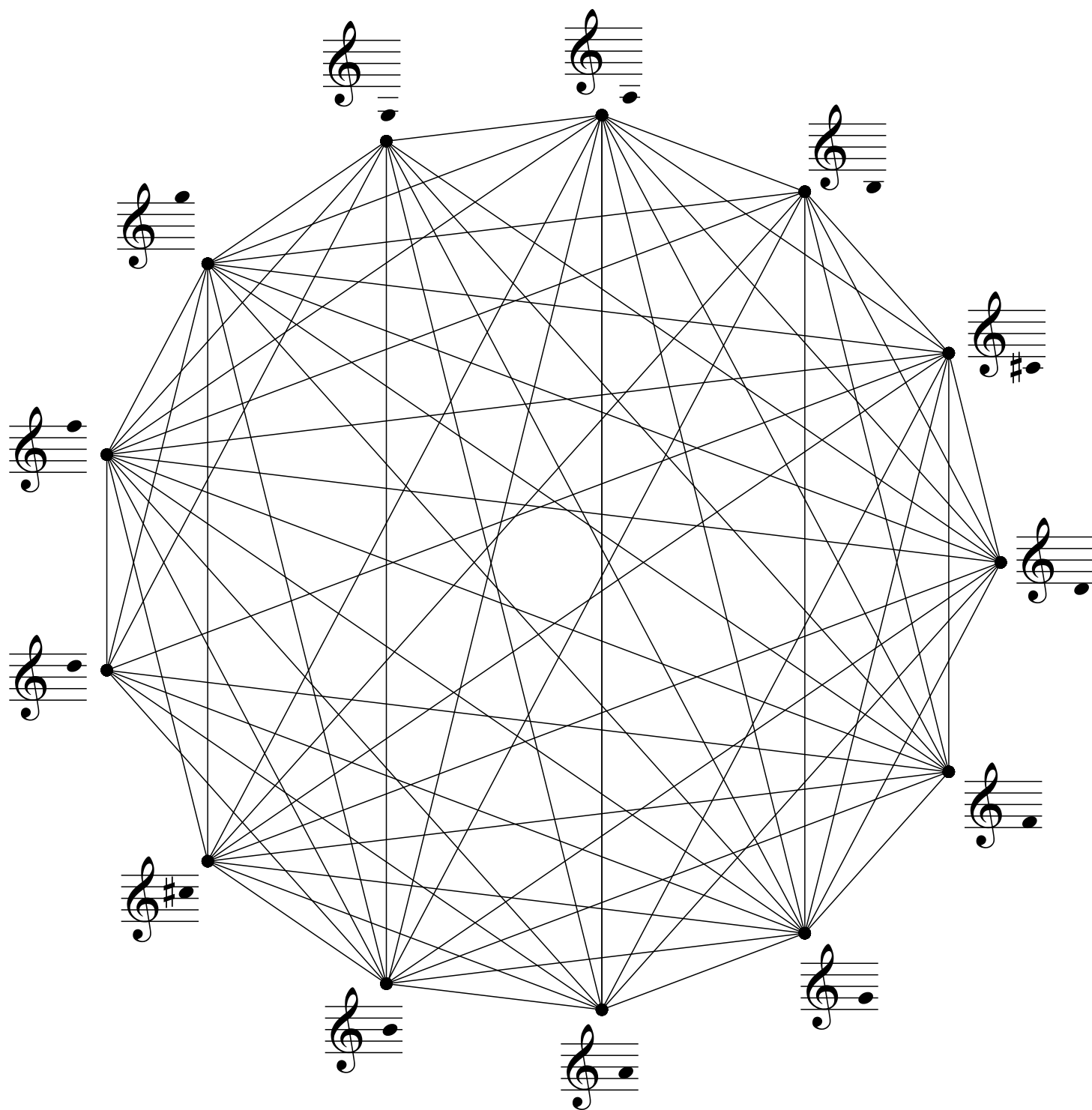


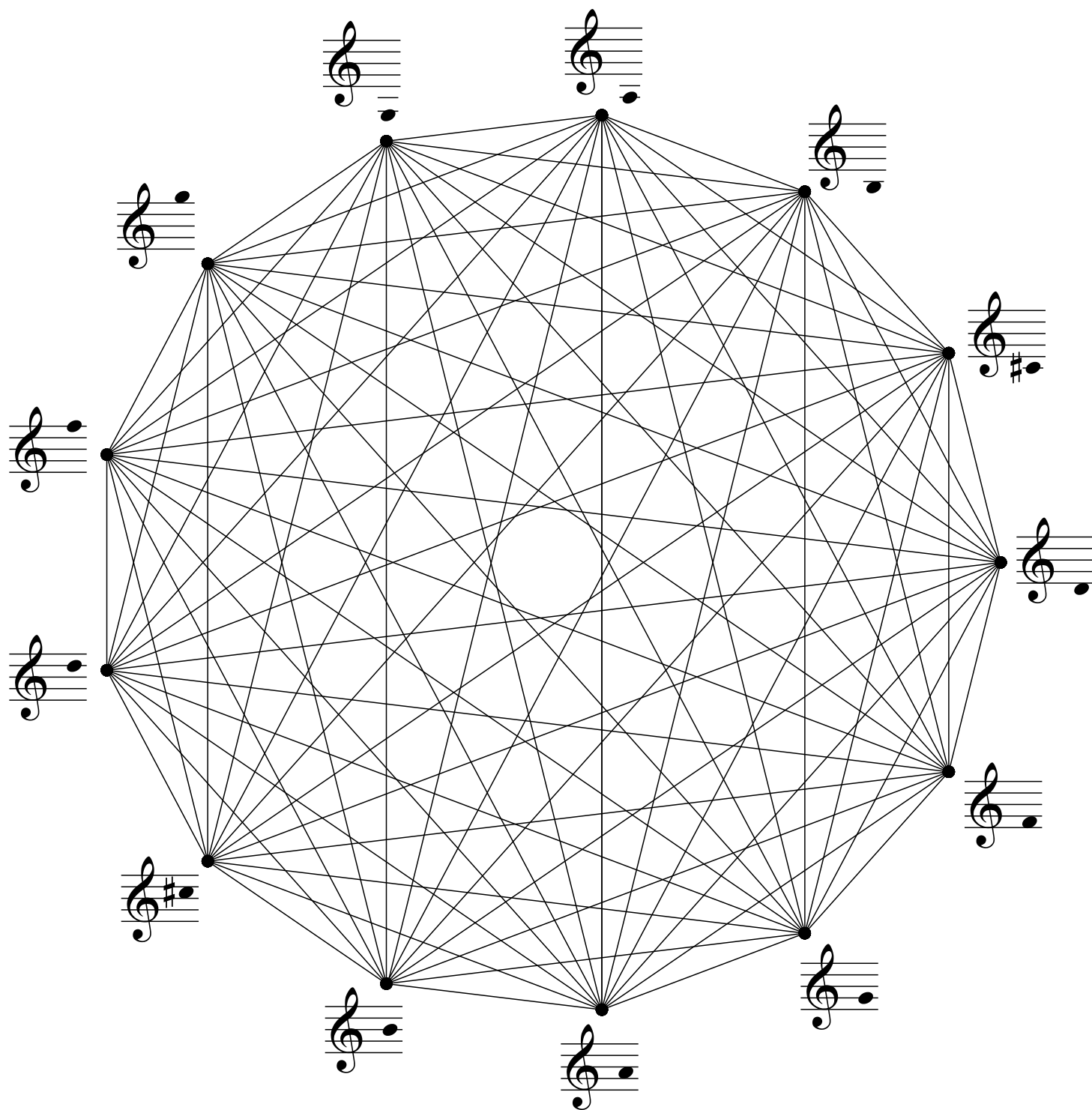












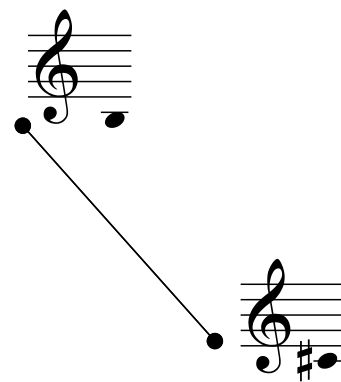
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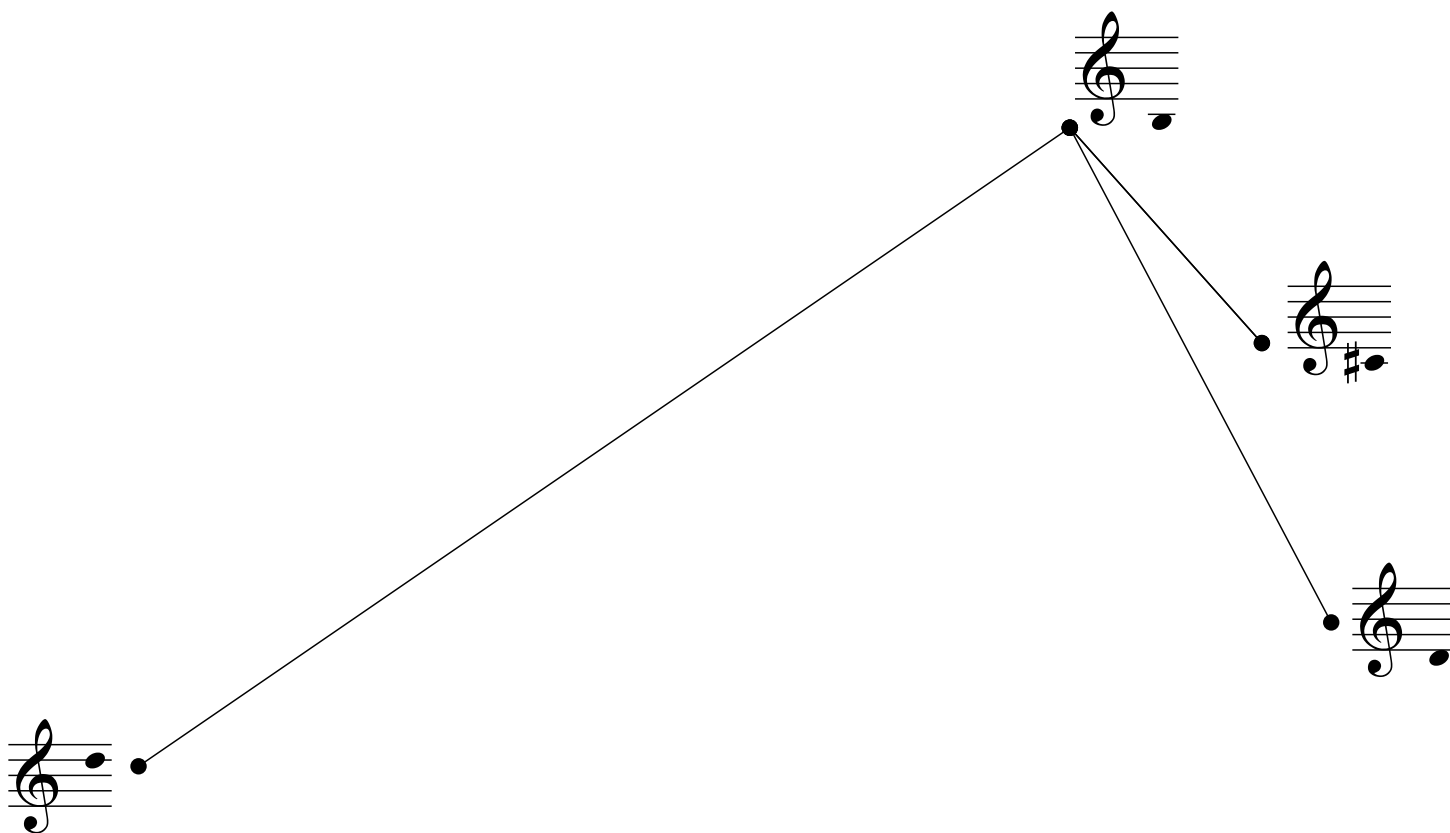
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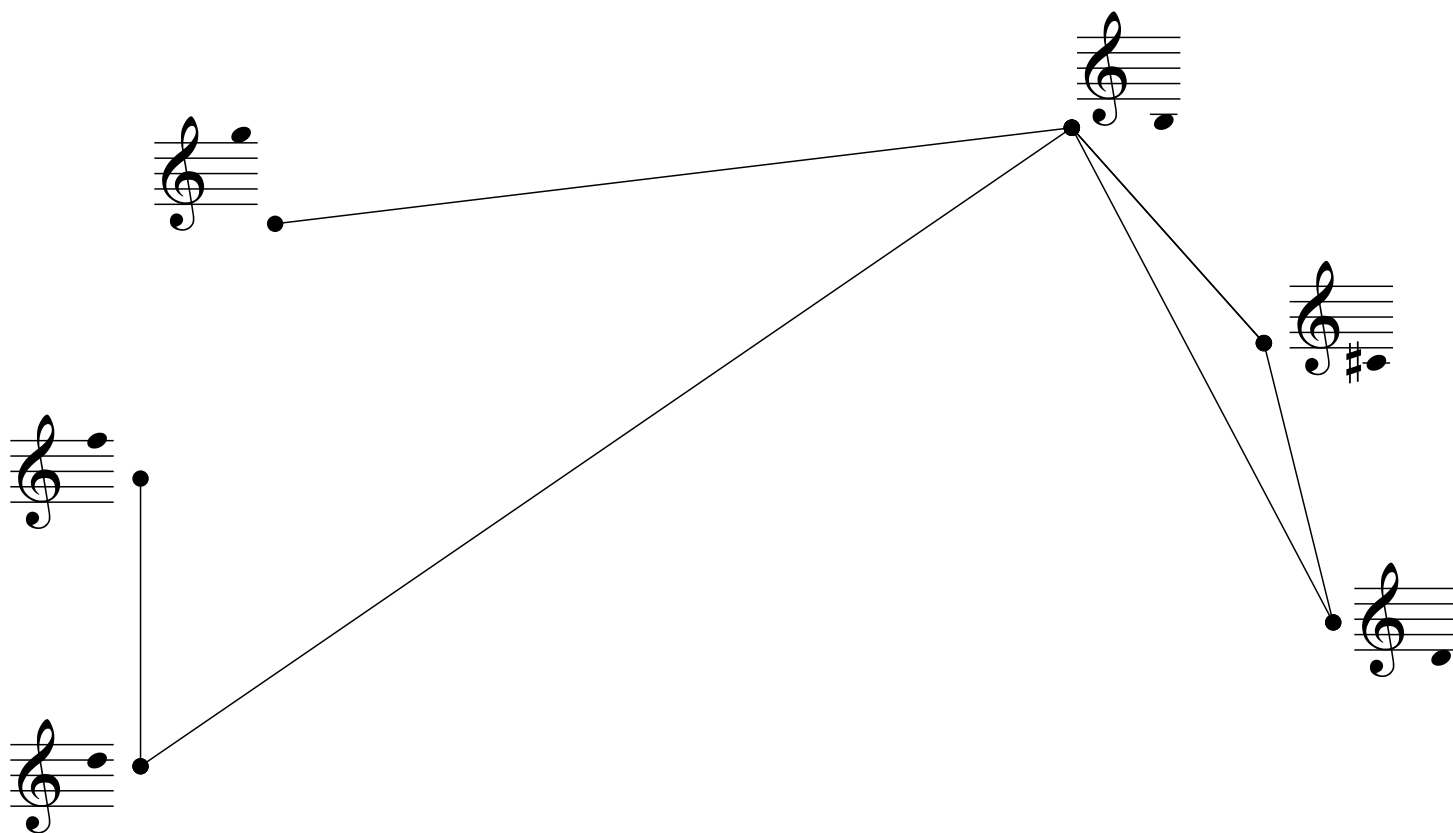
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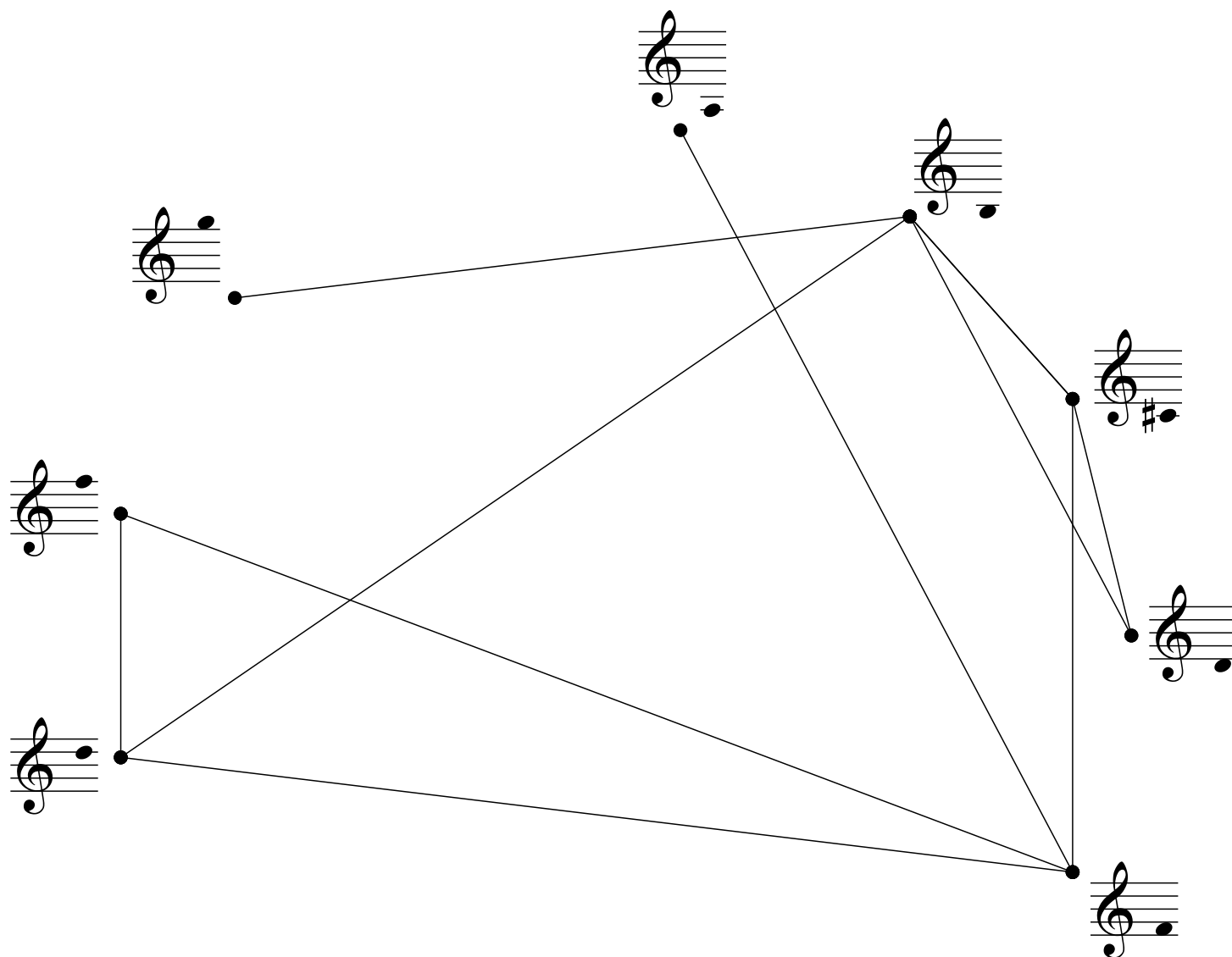
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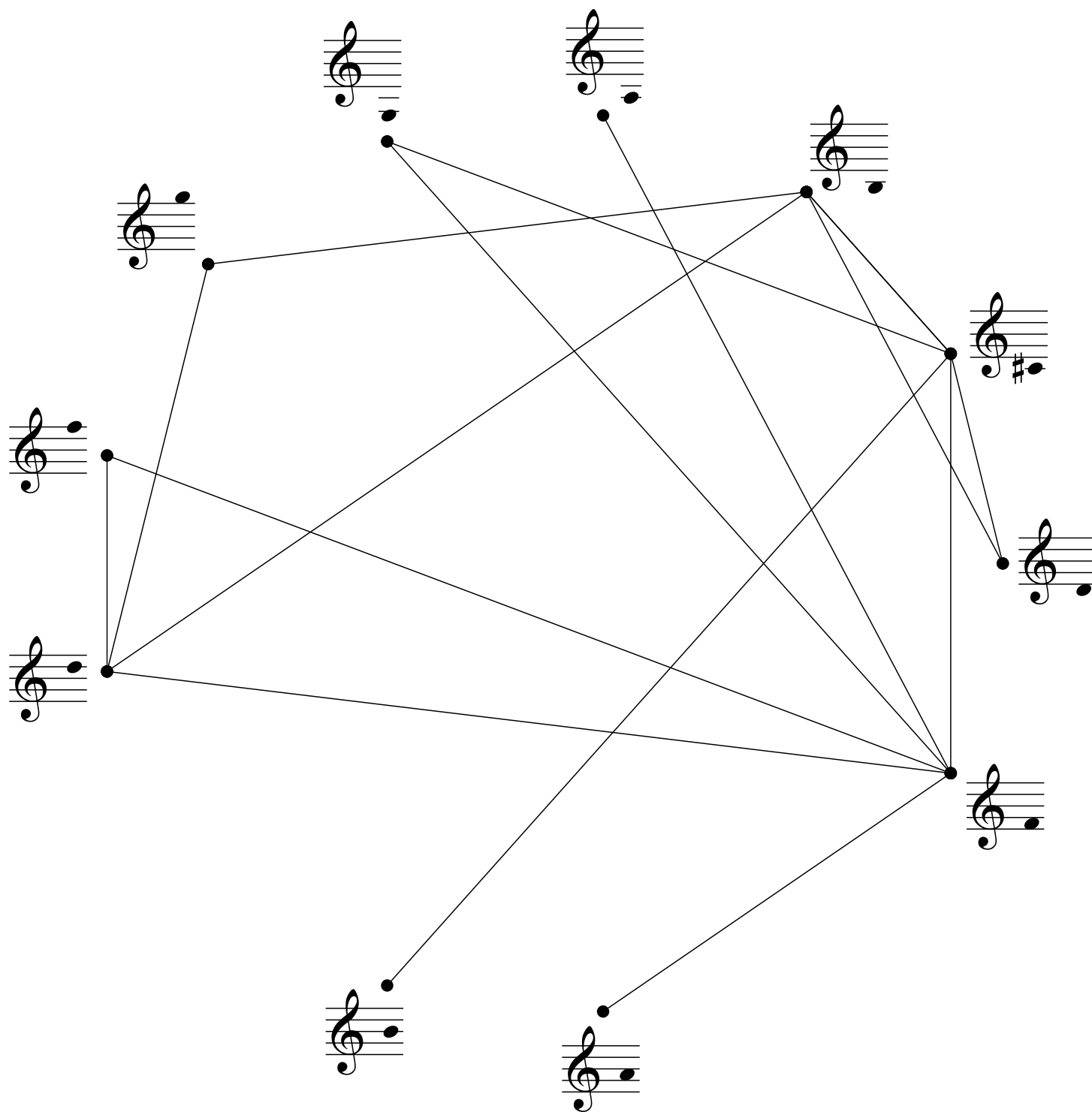
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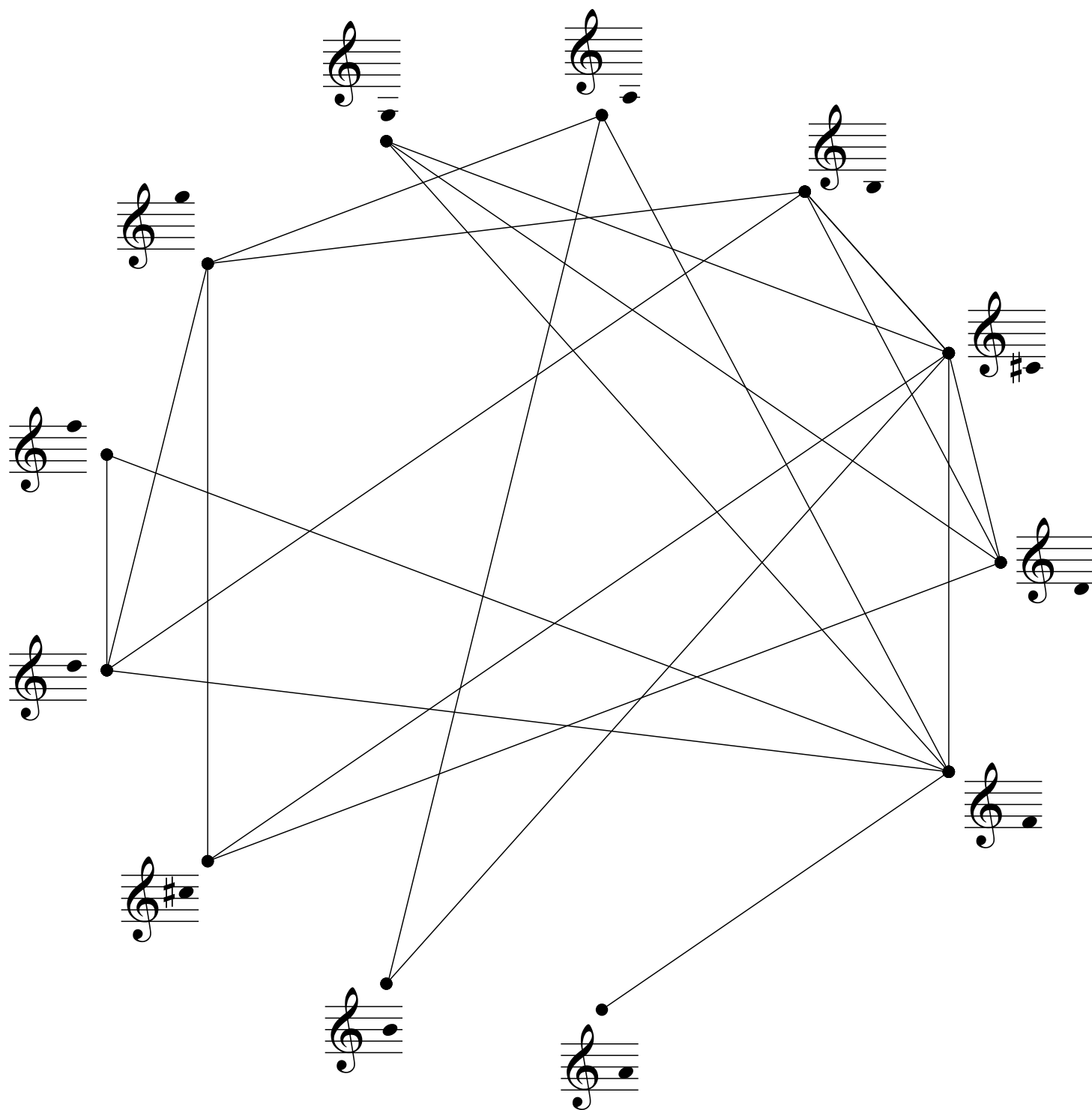


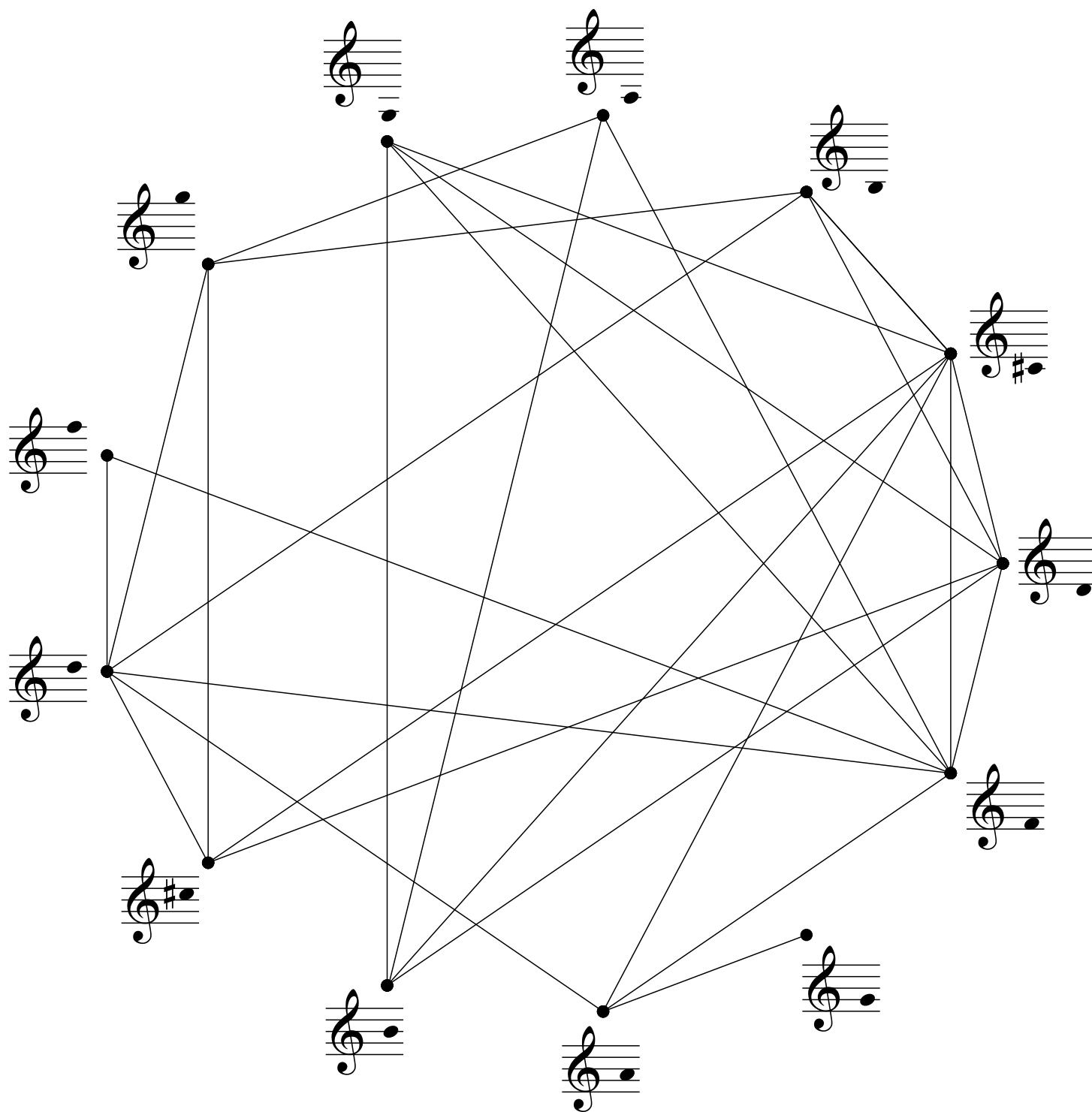


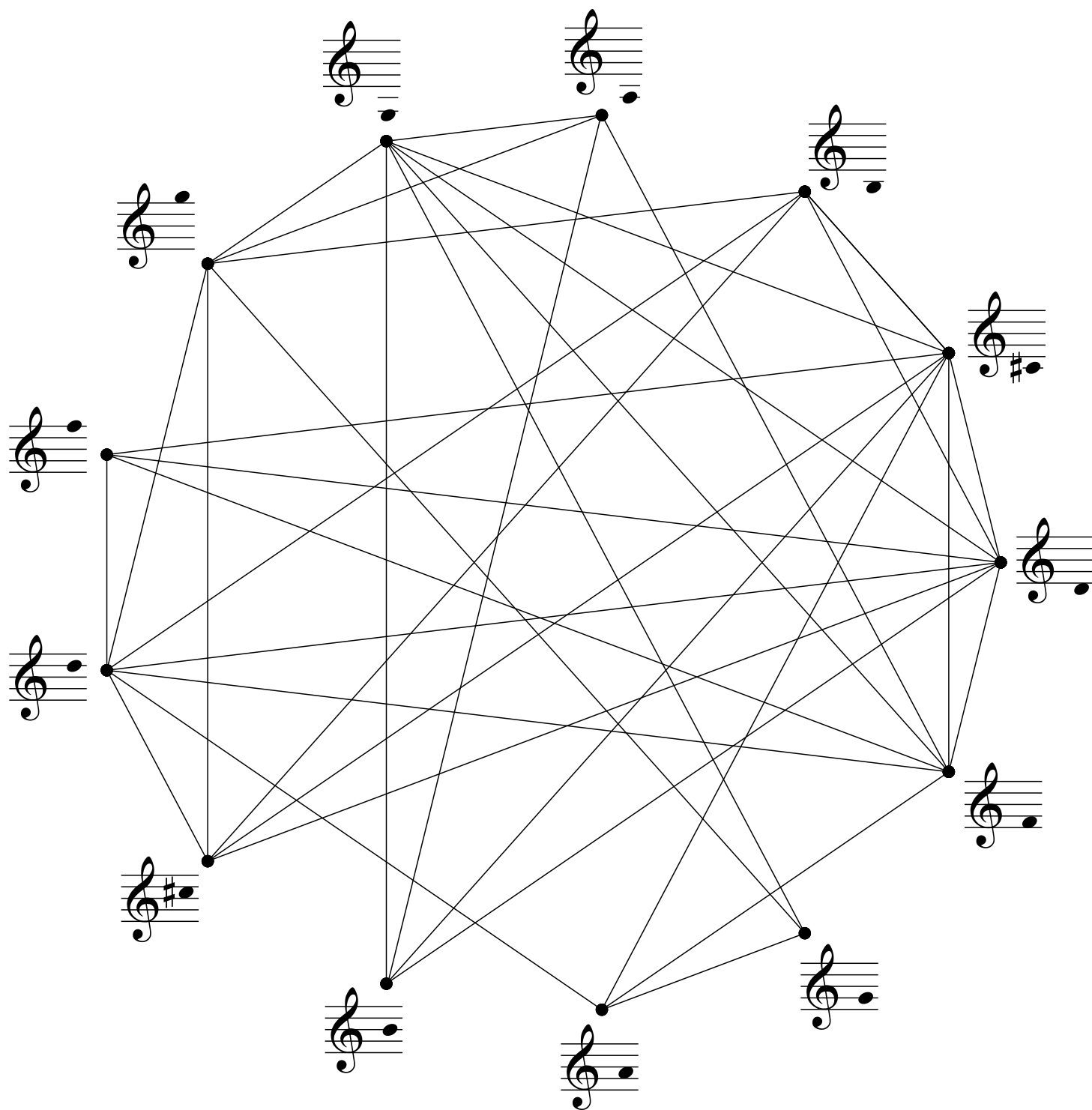


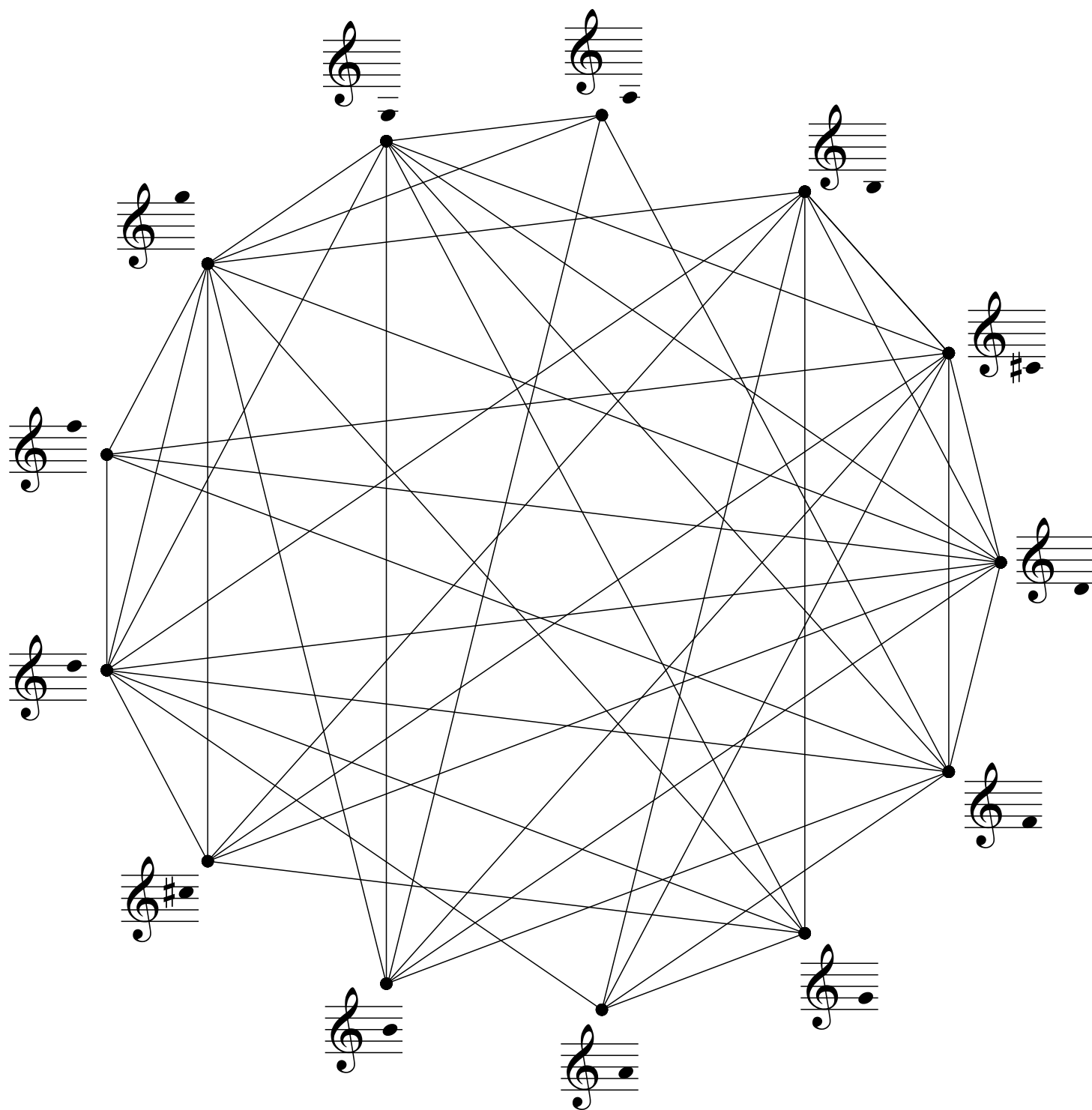


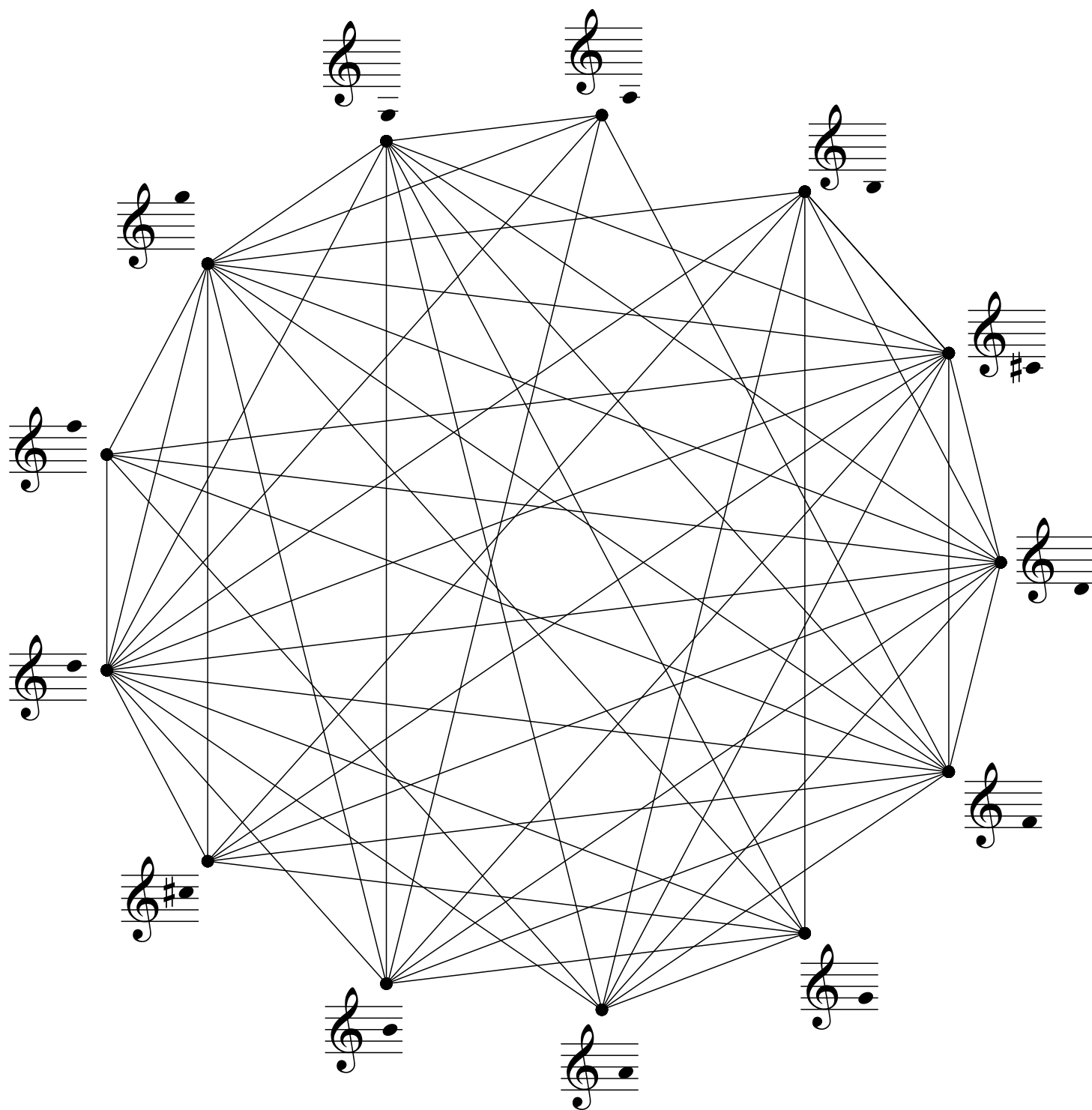


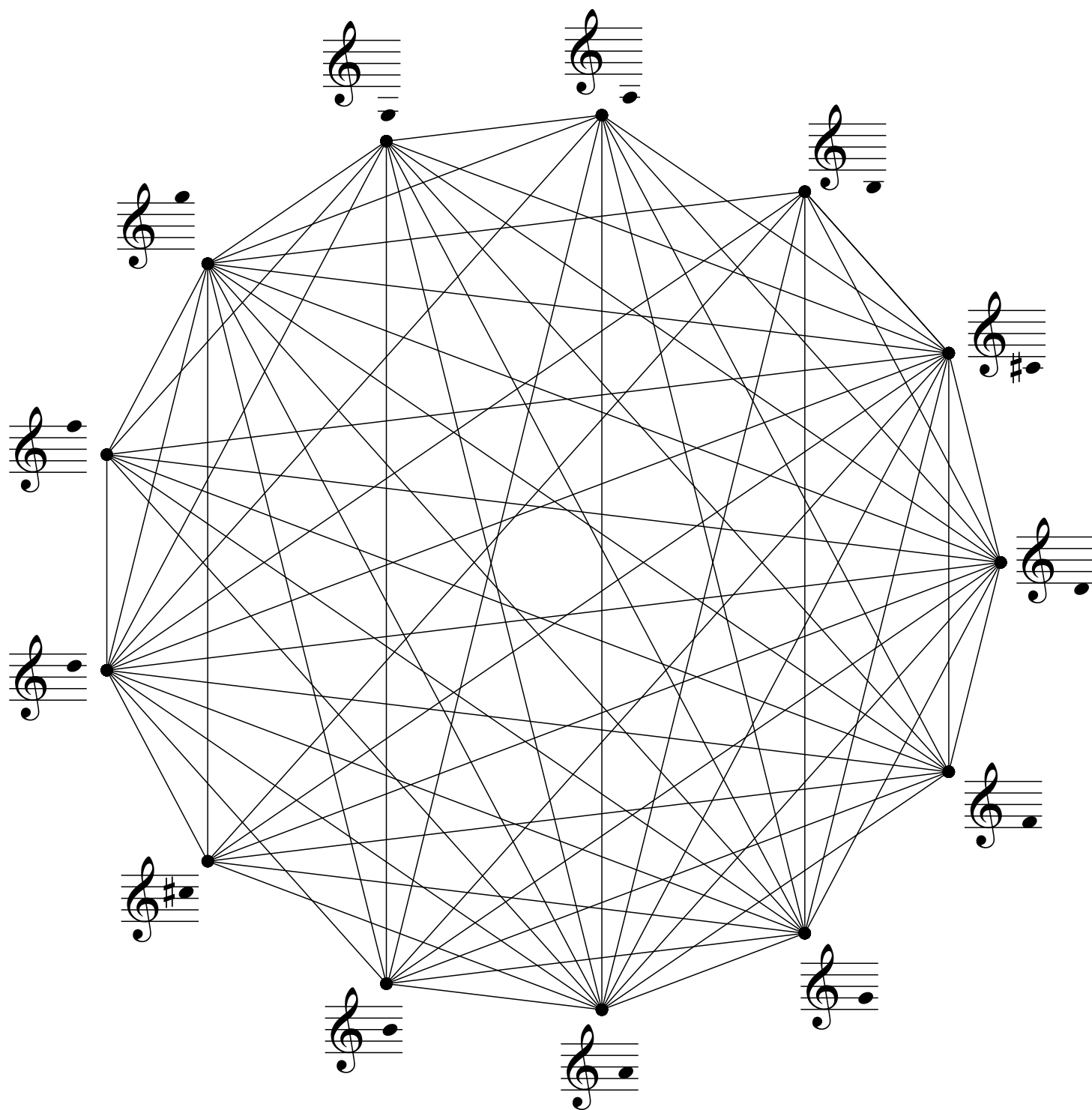


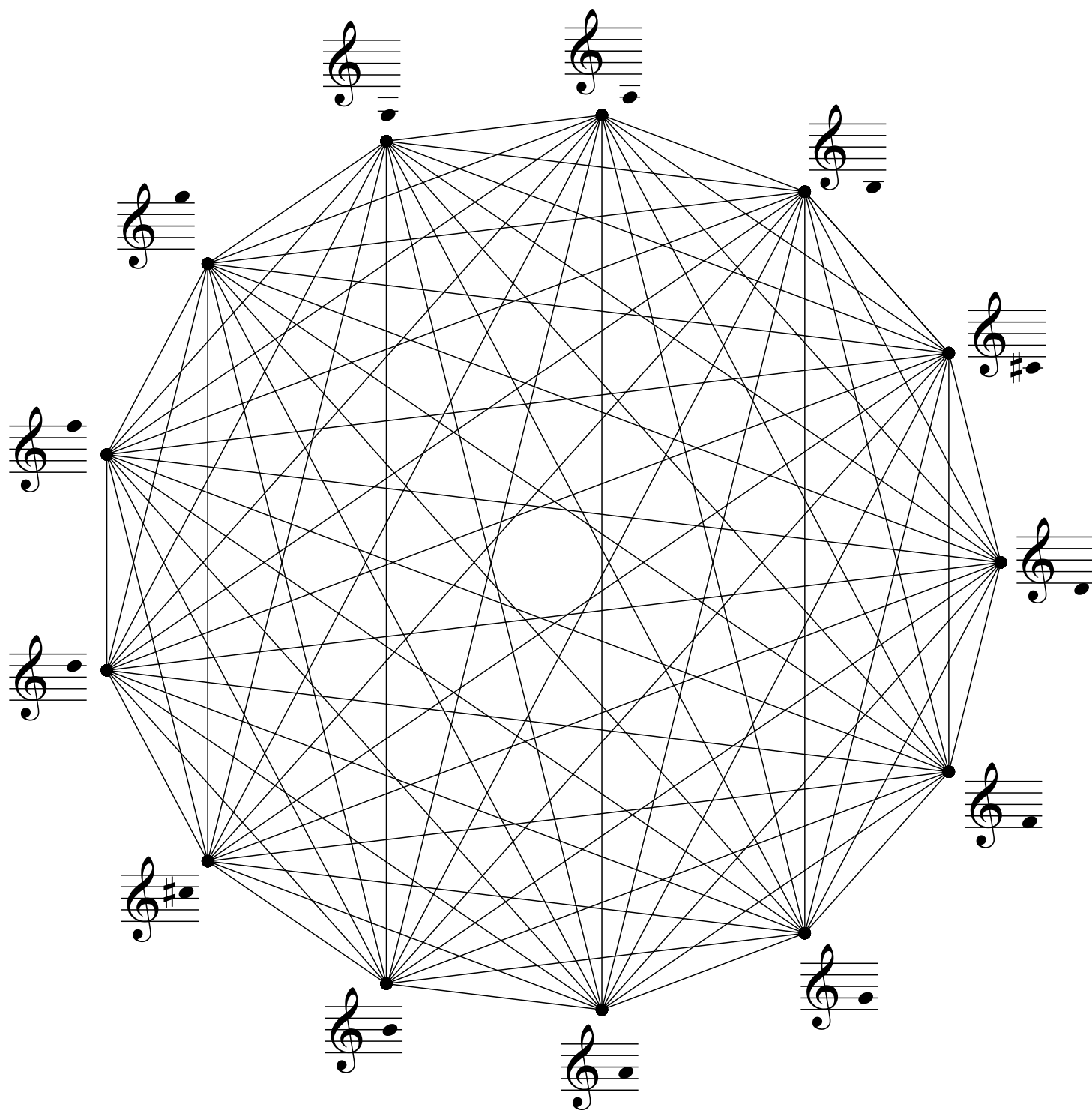








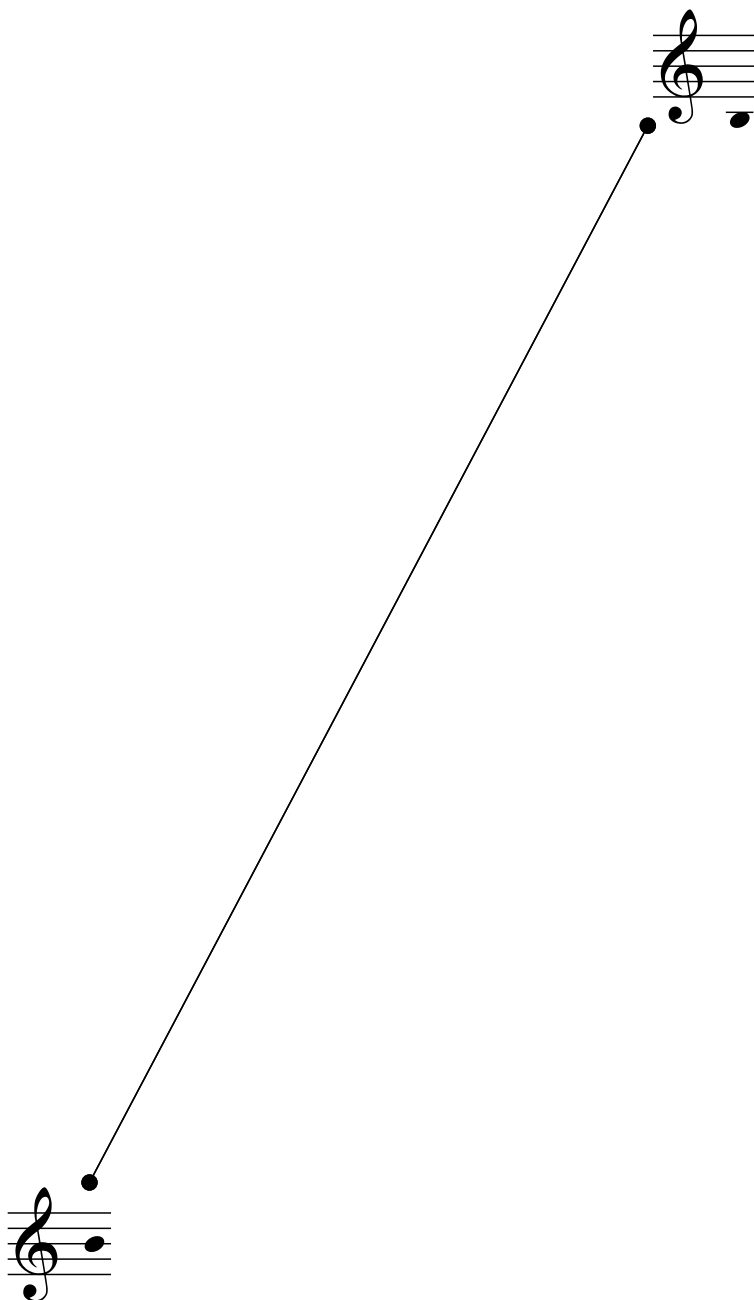


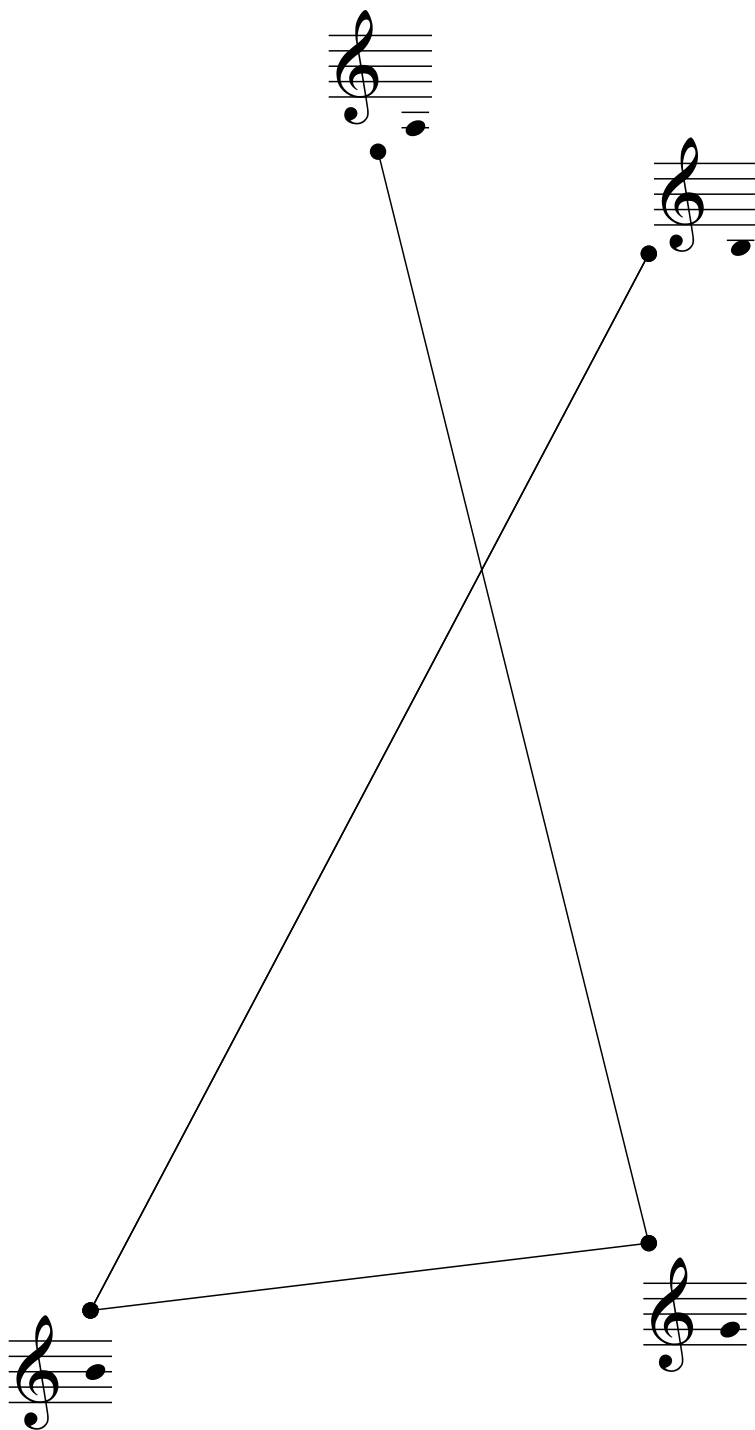


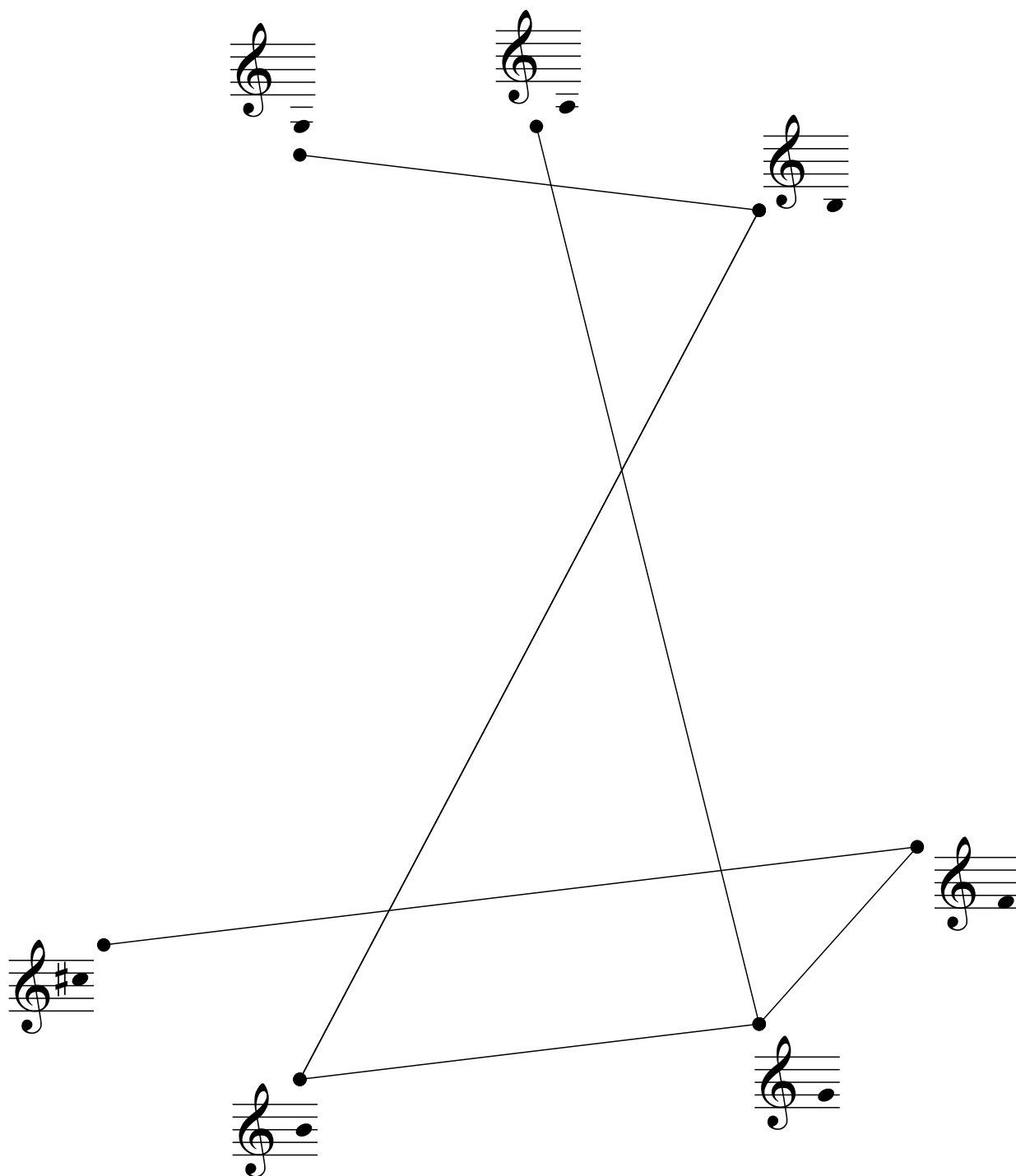
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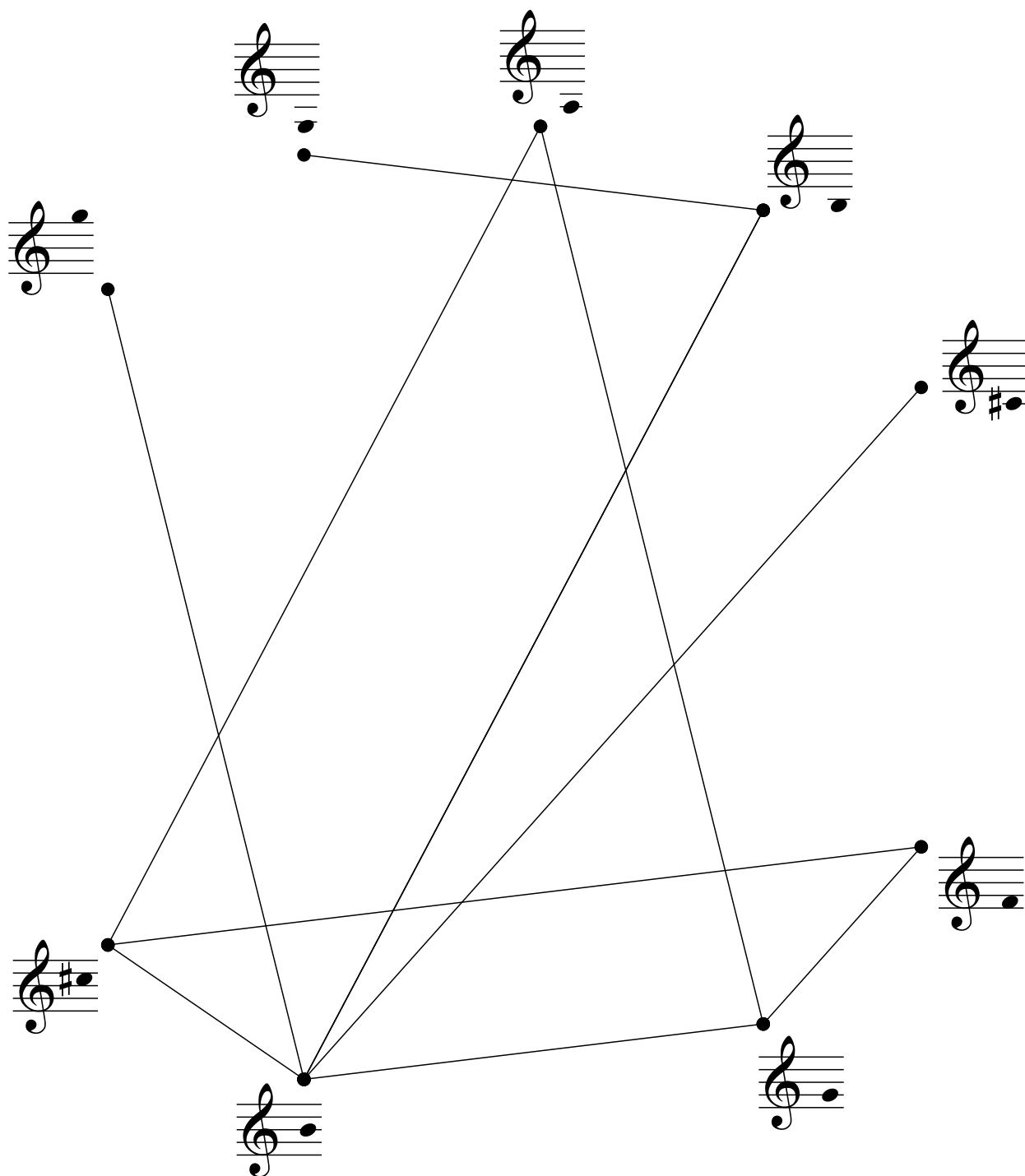
score realization 7

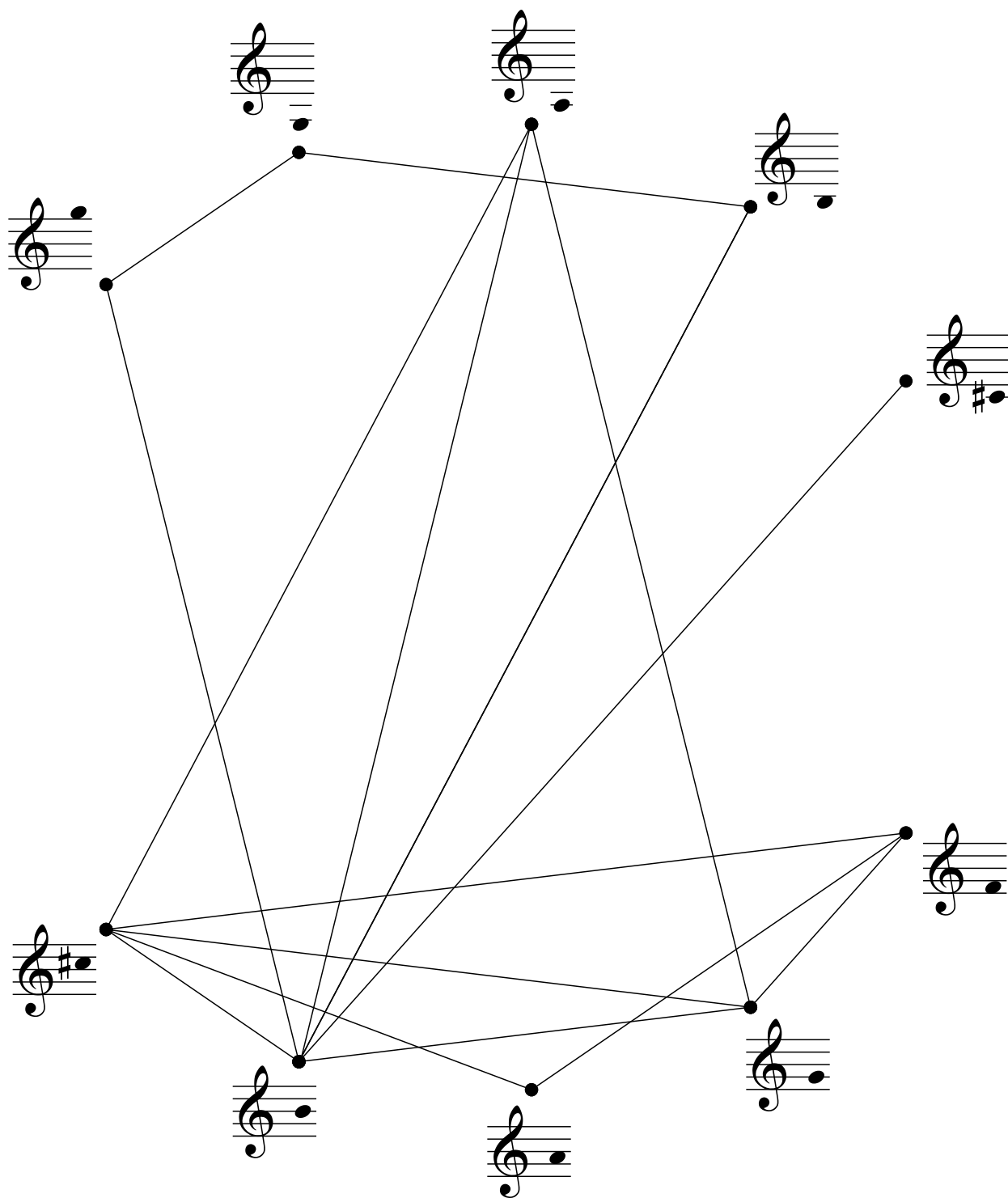
sections 3 - 14

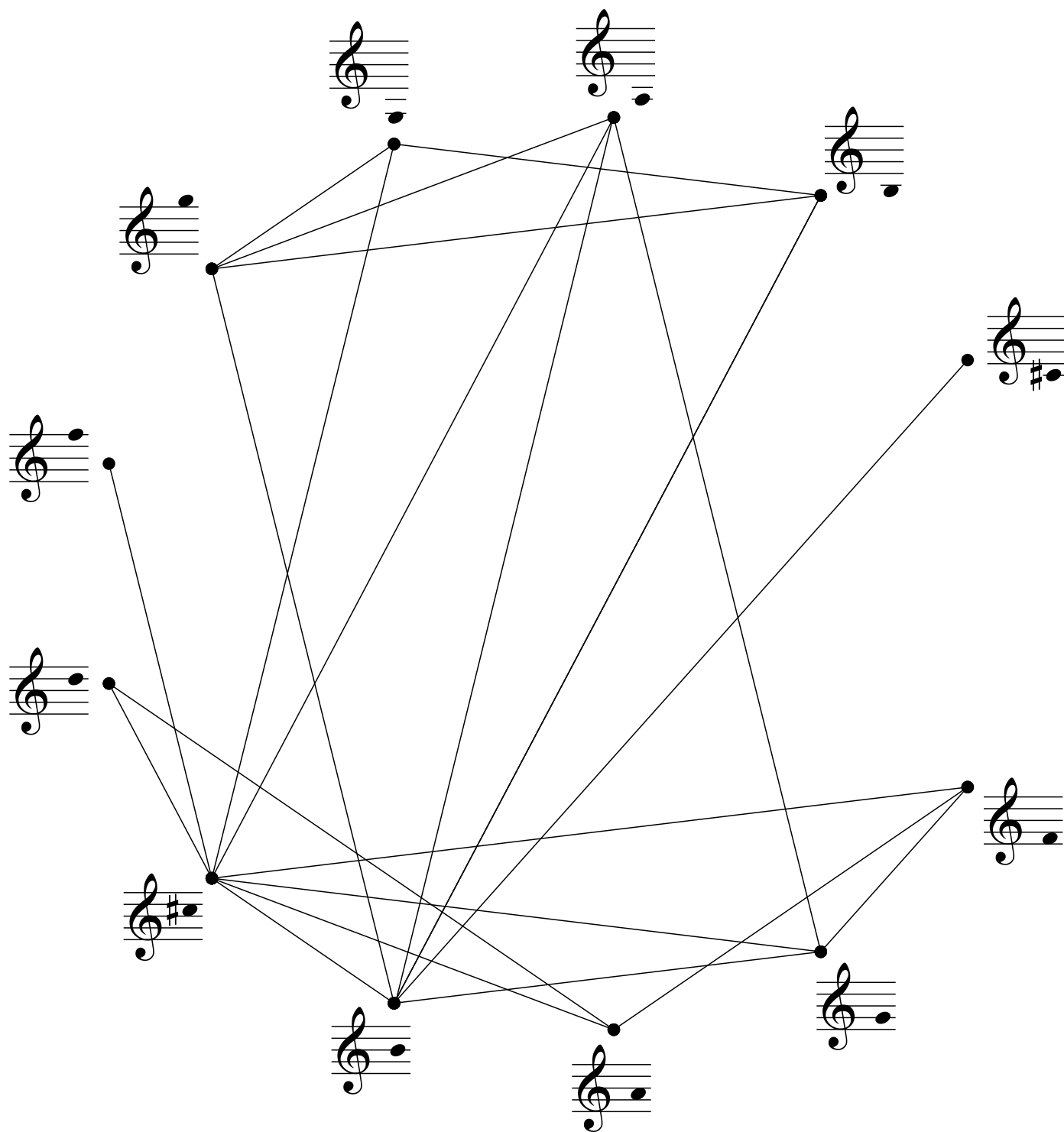


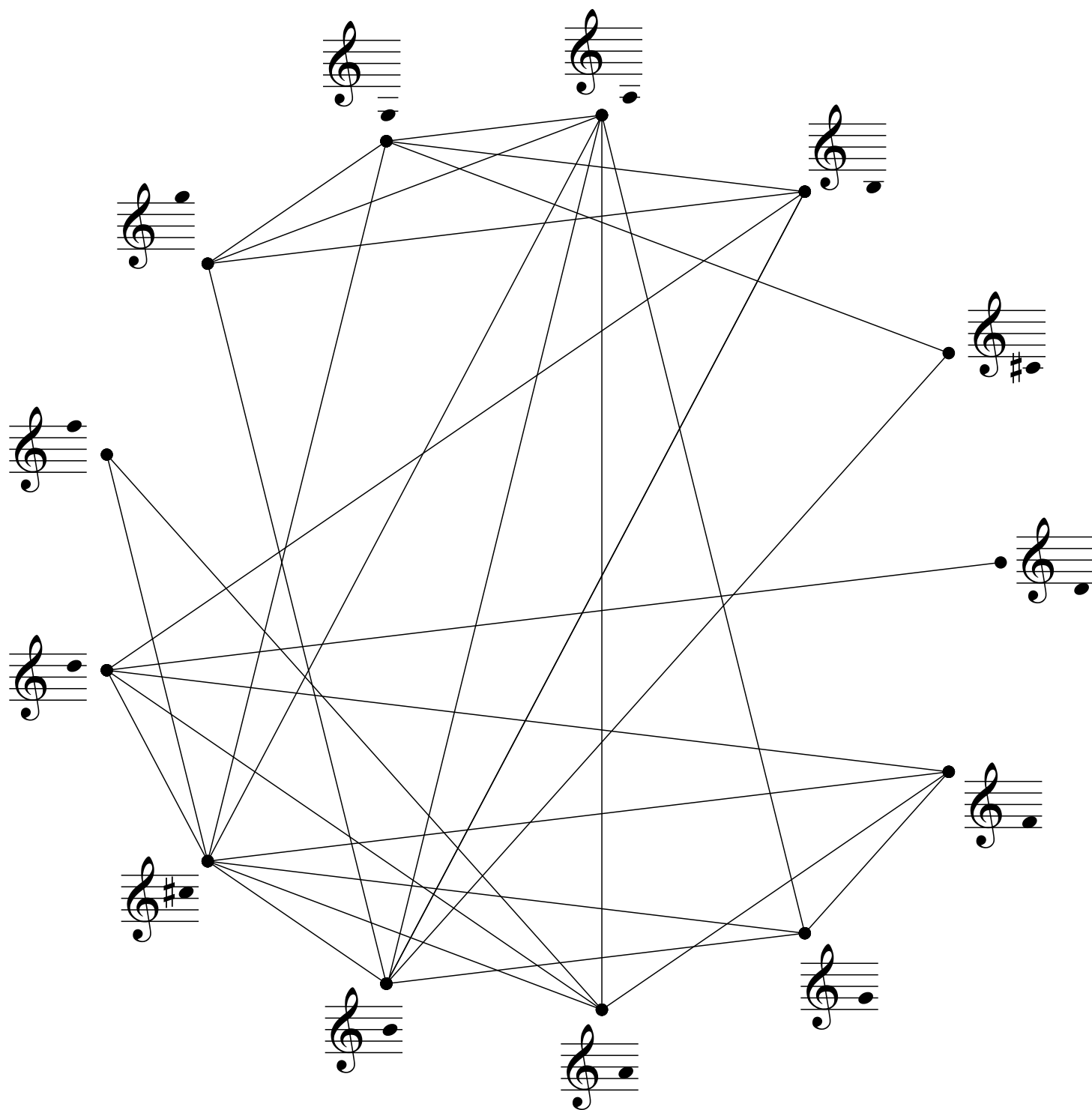


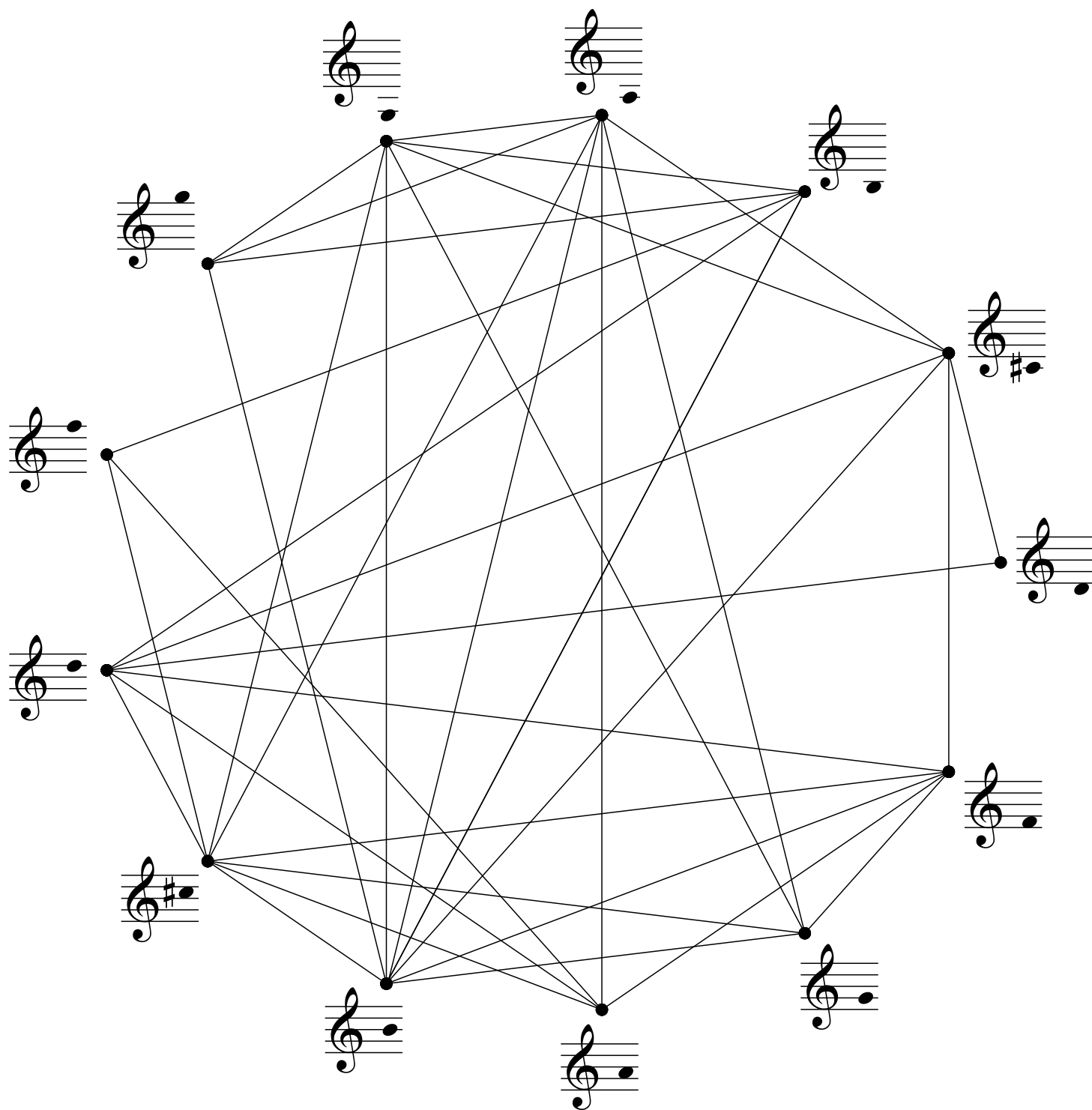


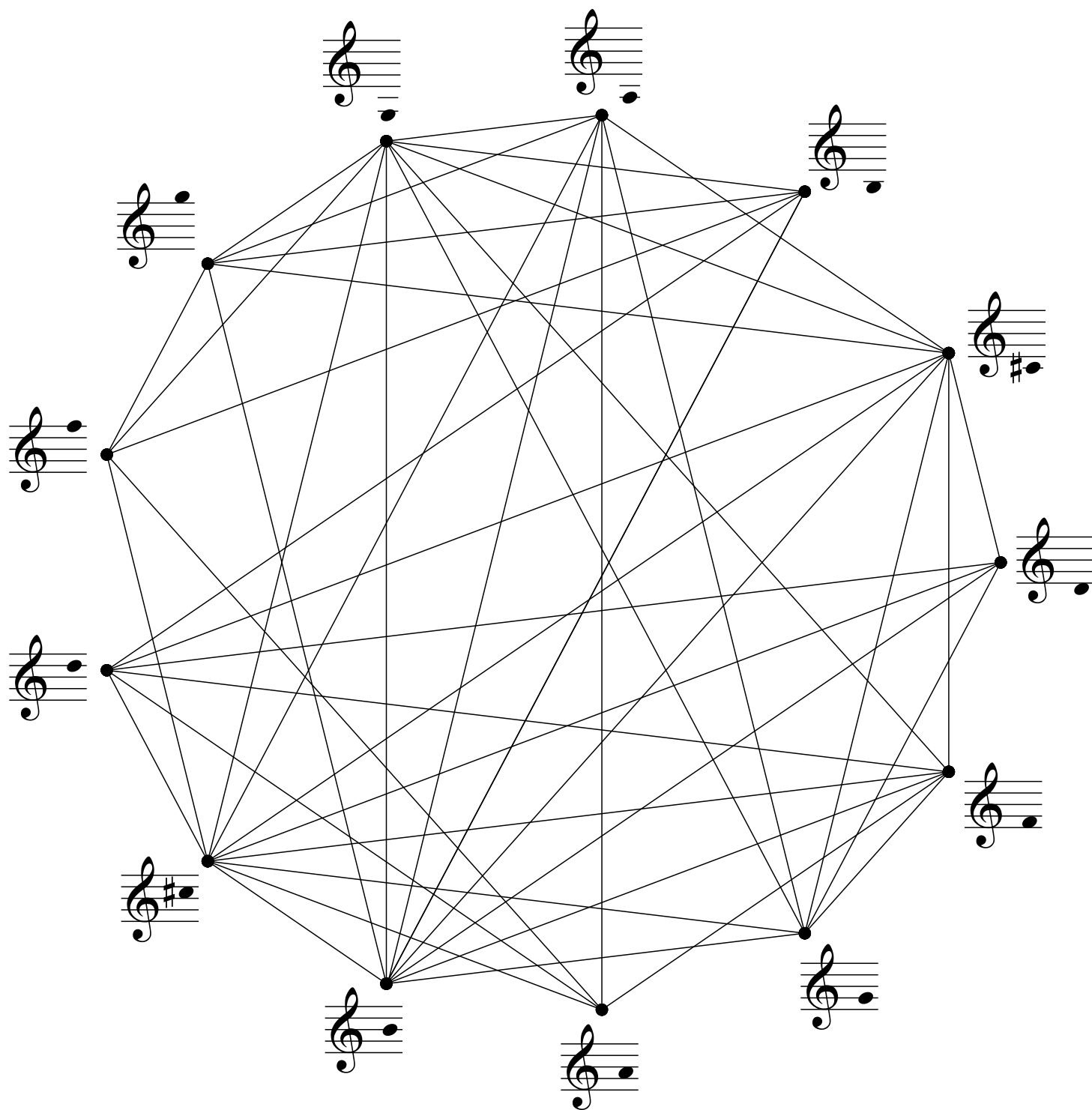


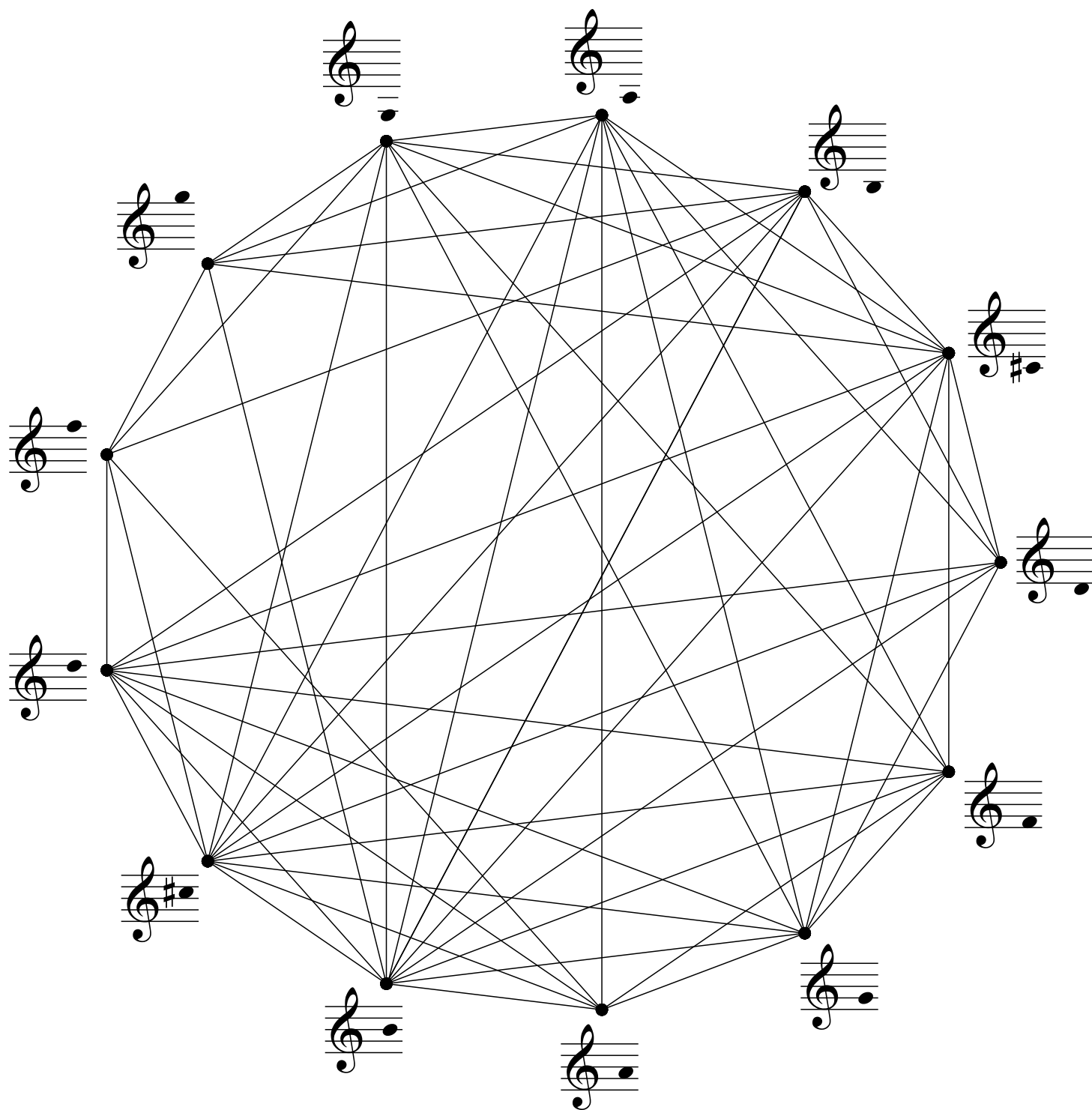


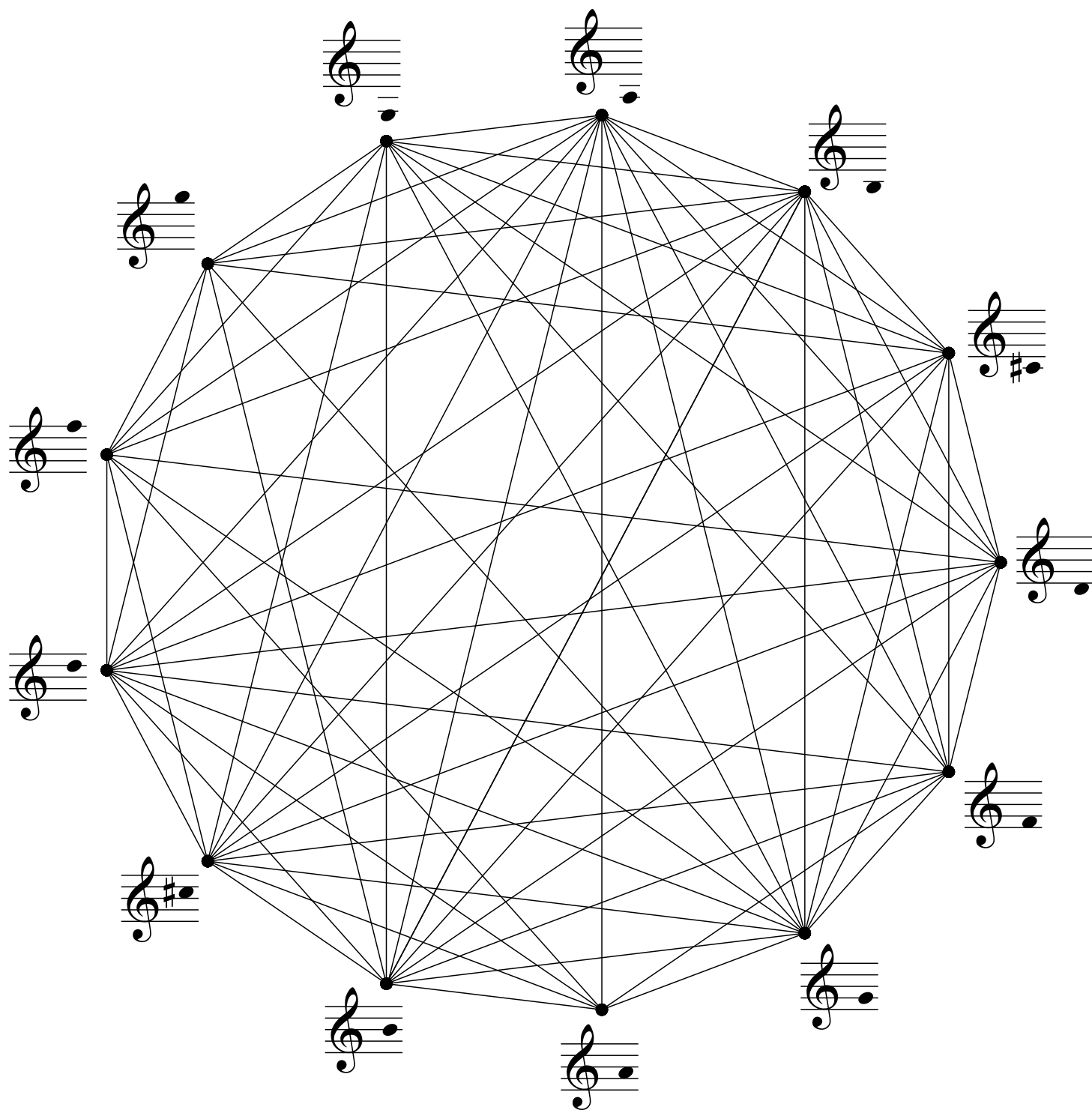


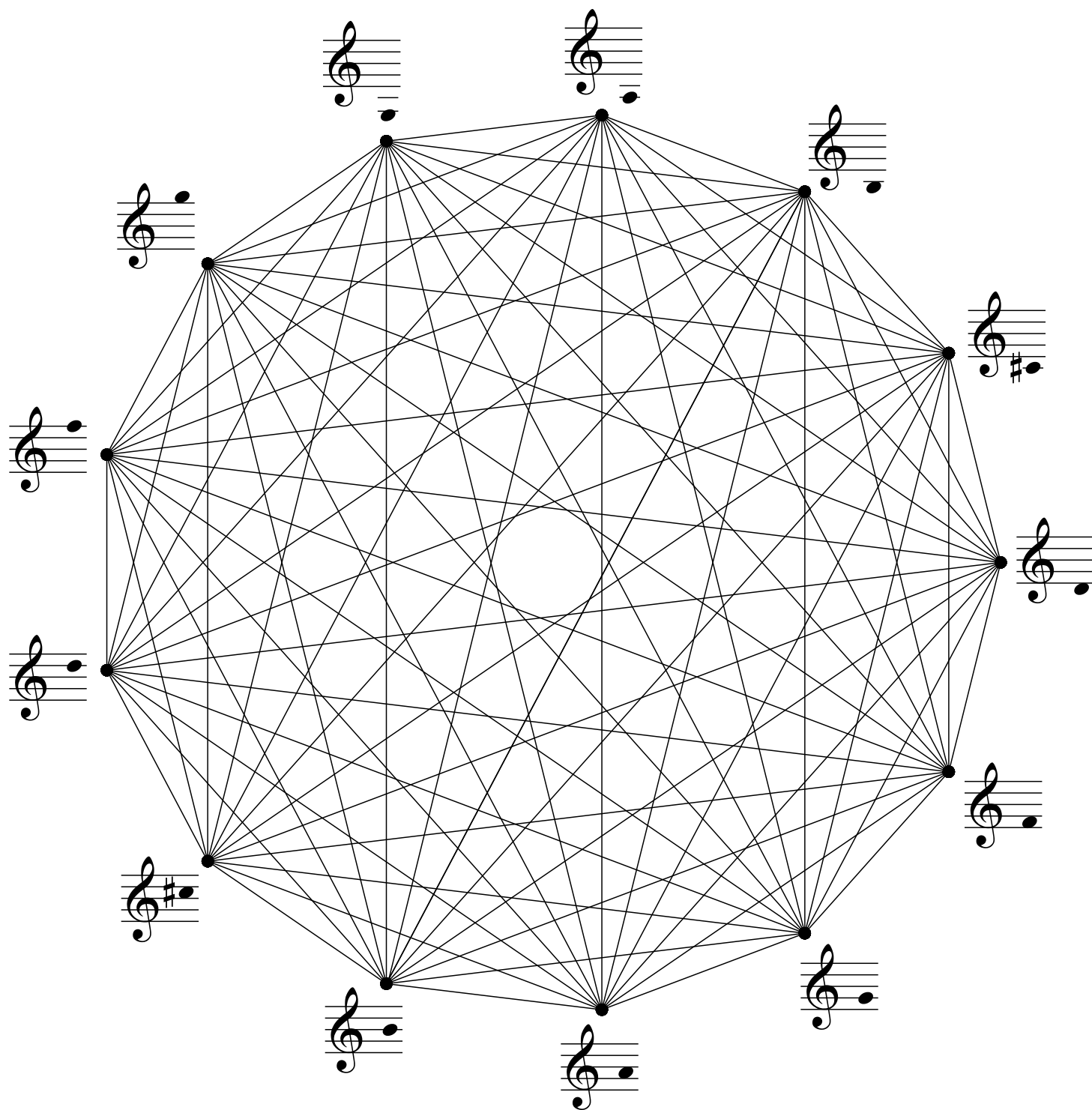












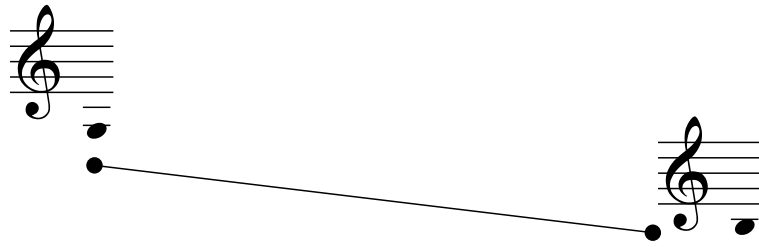
towards completeness

transparencies



next possible edges:

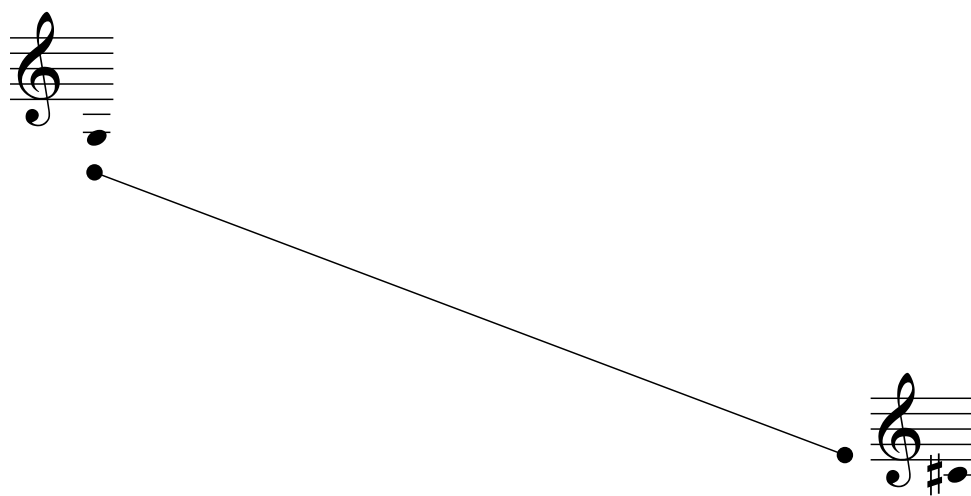
■ 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23



next possible edges:

1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,
29, 30, 31, 32, 33

24, 25, 26, 27, 28,

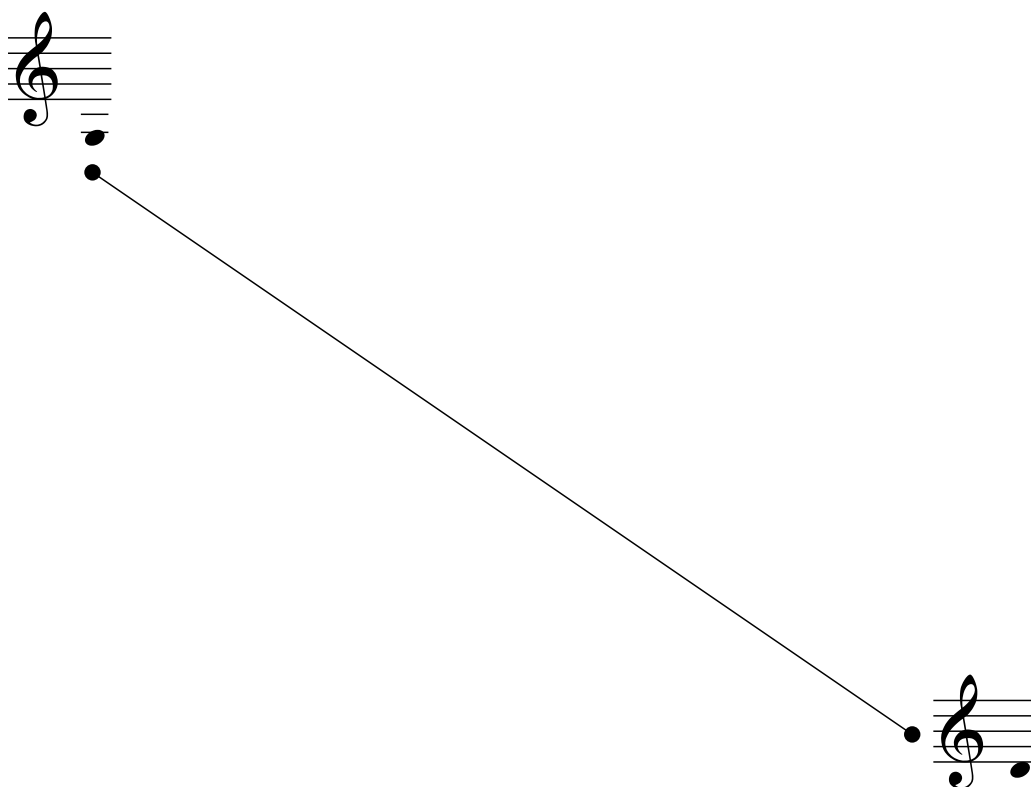


next possible edges:

1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14,

34, 35, 36, 37, 38, 39, 40, 41, 42

24,

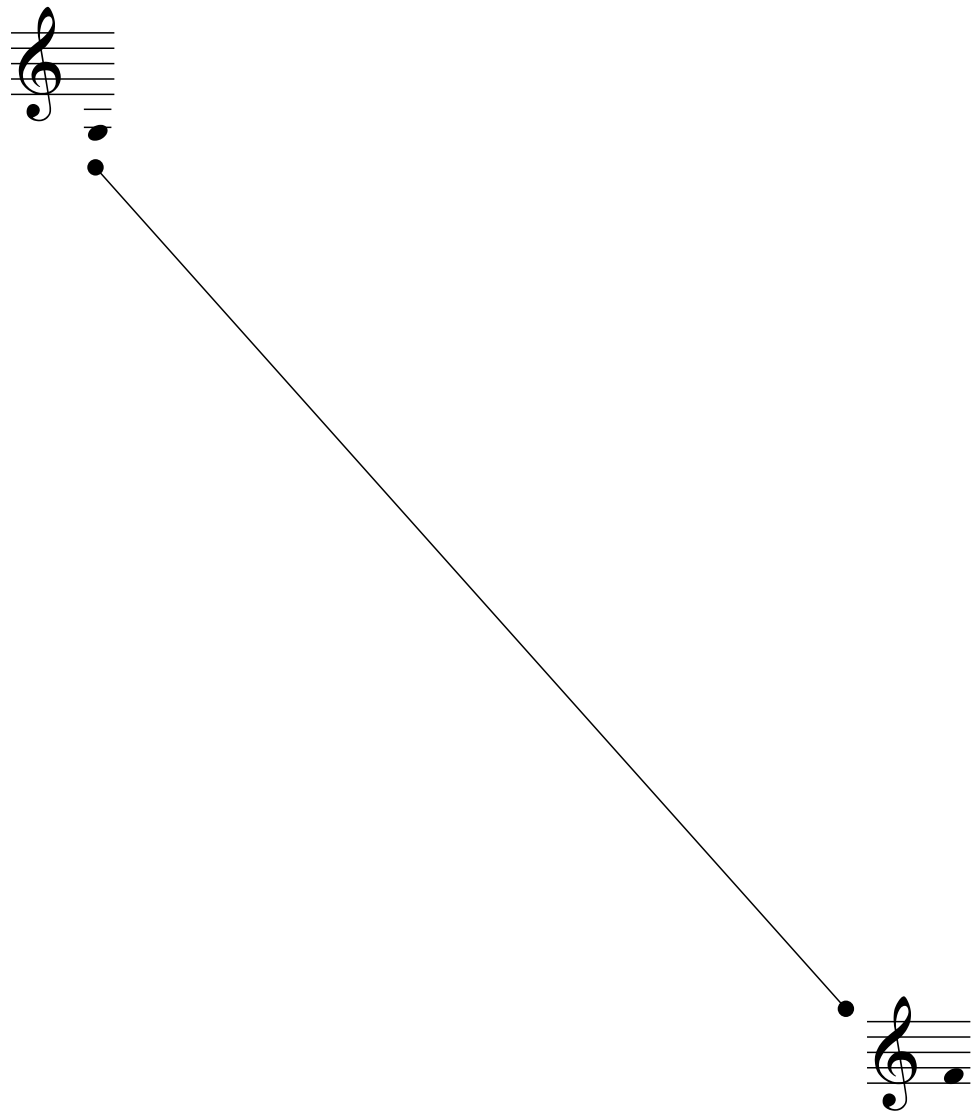


next possible edges:

1, 2, 3, ■ 5, 6, 7, 8, 9, 10, 11, 12,
34,

15,

25,
43, 44, 45, 46, 47, 48, 49, 50,



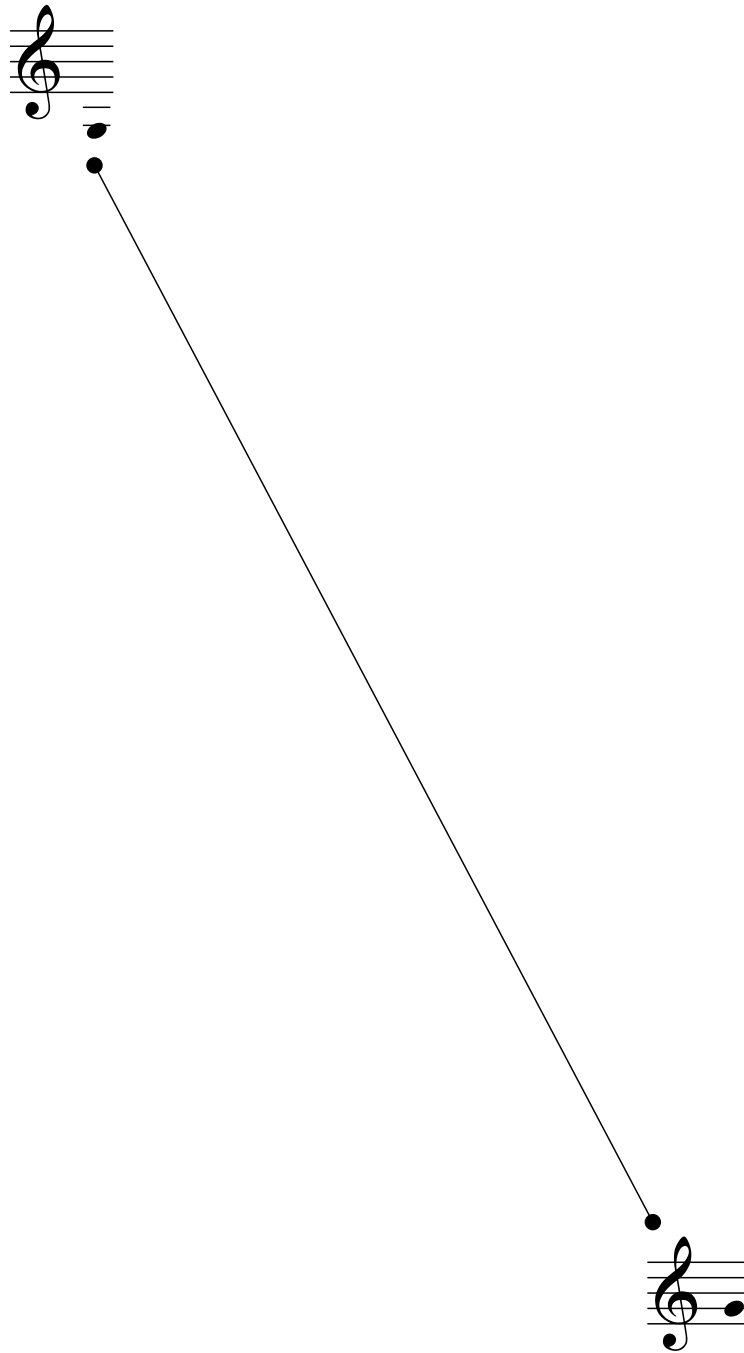
next possible edges:

1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12,
35,
54, 55, 56, 57

16,

43,

26,
51, 52, 53,



next possible edges:

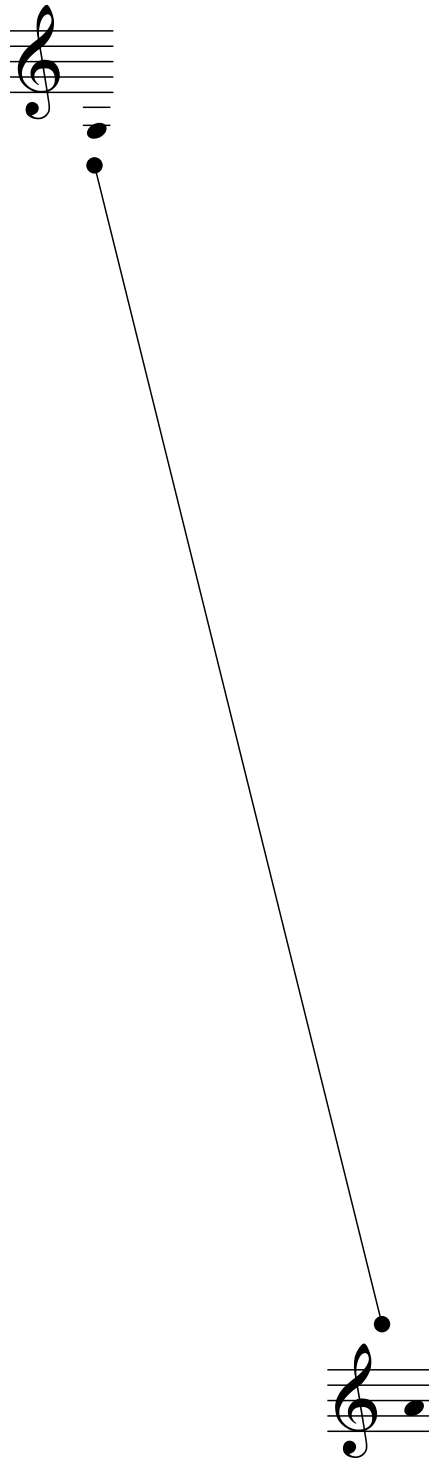
1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12,
36,
58, 59, 60, 61, 62, 63,

17,

44,

27,

51,

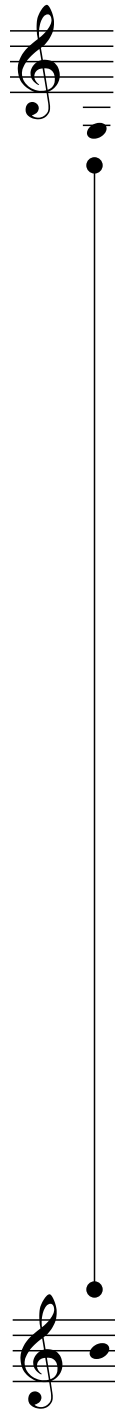


next possible edges:

1, 2, 3, 4, 5, 6, ■ 8, 9, 10, 11, 12,
58, 37,

18, 45,
64, 65, 66, 67, 68

28,
52,



next possible edges:

1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12,
29,

59,

38,

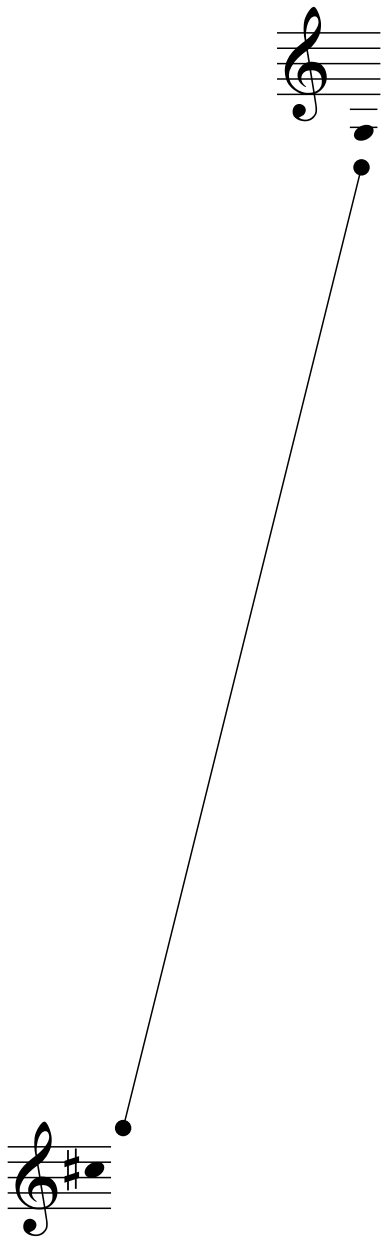
64,

19,

46,

69, 70, 71, 72

53,



next possible edges:

1, 2, 3, 4, 5, 6, 7, 8, ■ 10, 11, 12,

30,

54,

60,

39,

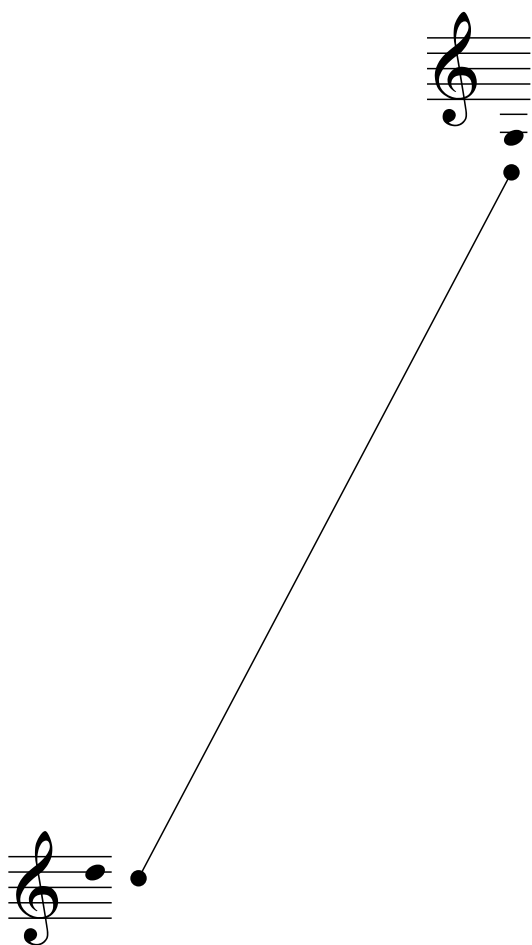
65,

20,

69,

47,

73, 74, 75



next possible edges:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10 11, 12,

31,

55,

61,

40,

66,

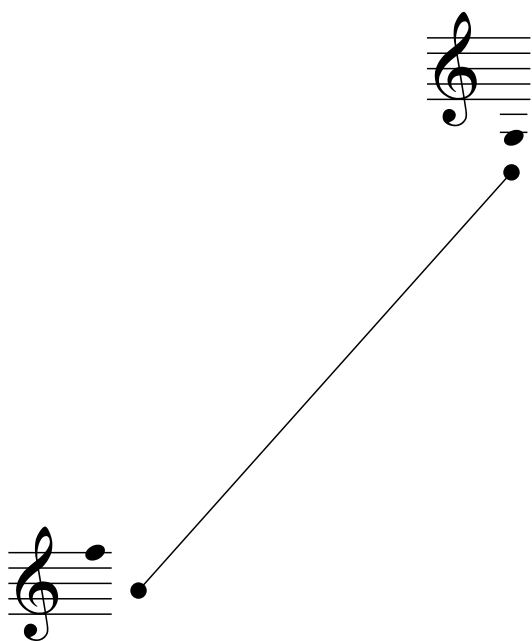
21,

70,

48,

73,

76, 77,



next possible edges:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, ■ 12,

32,

56, 5

62,

41,

67,

22,

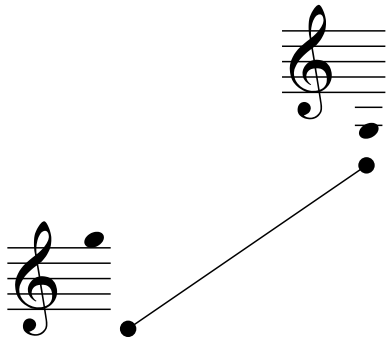
71,

49,

74,

76,

78



next possible edges:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ■

33,

57,

63,

42,

68,

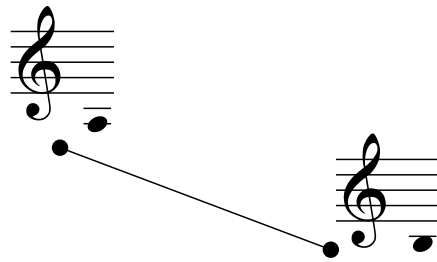
23,

72,

50,

75,

77, 78

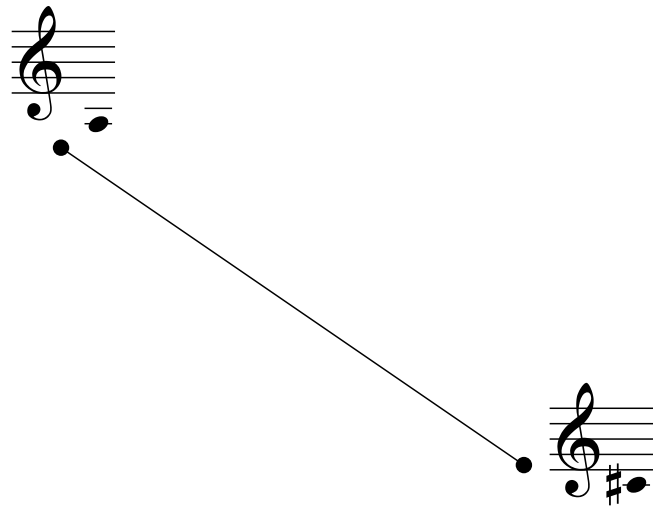


next possible edges:

1, 2,

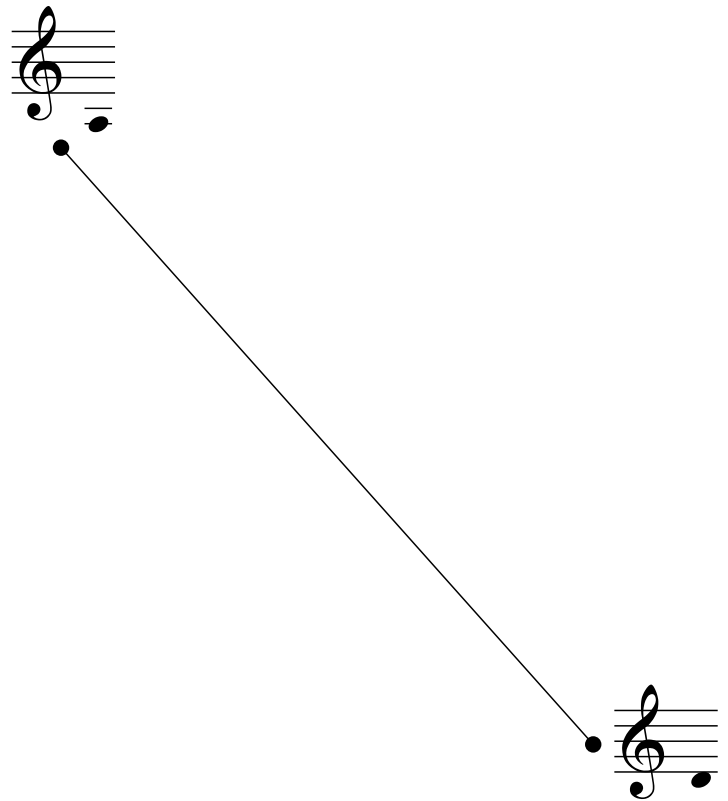
29, 30, 31, 32, 33,

■ 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28,



next possible edges:

1, 3, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
34, 35, 36, 37, 38, 39, 40, 41, 42

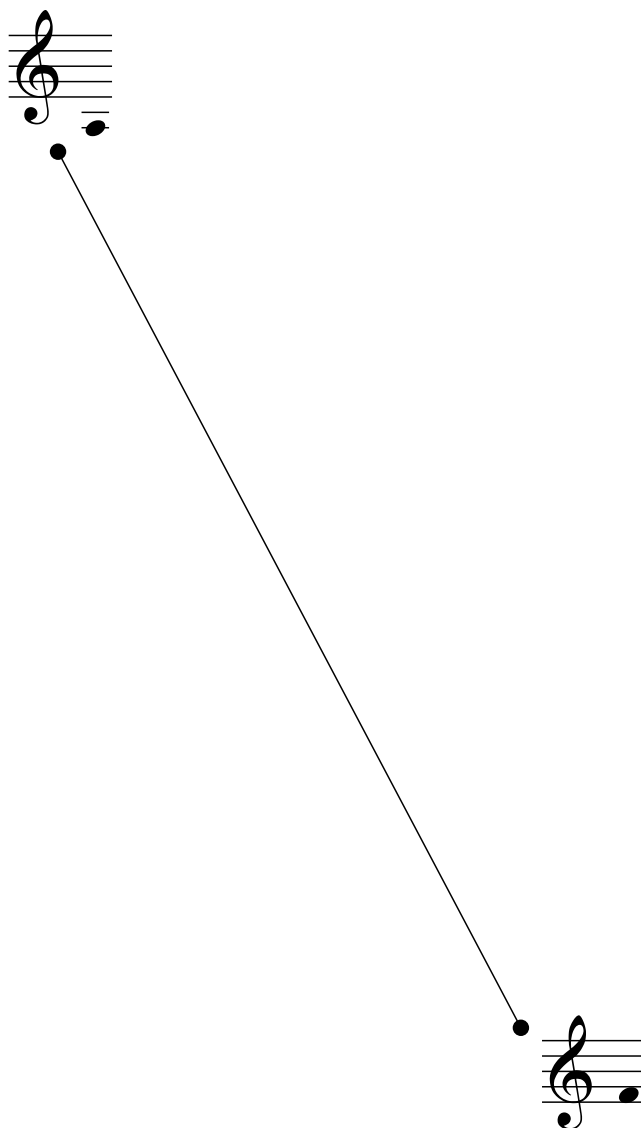


next possible edges:

1, 4,

34,

13, 14, 15 16, 17, 18, 19, 20, 21, 22, 23, 25,
43, 44, 45, 46, 47, 48, 49, 50



next possible edges:

1, 5,

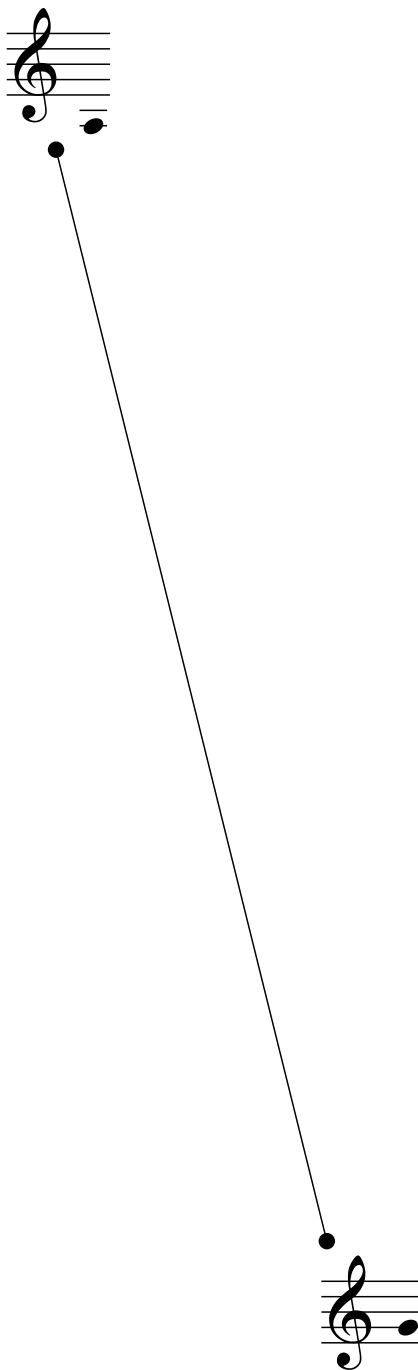
35,

54, 55, 56, 57

13, 14, 15, 16 17, 18, 19, 20, 21, 22, 23,
43,

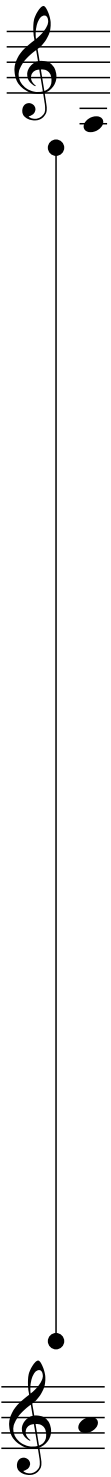
26,

51, 52, 53,



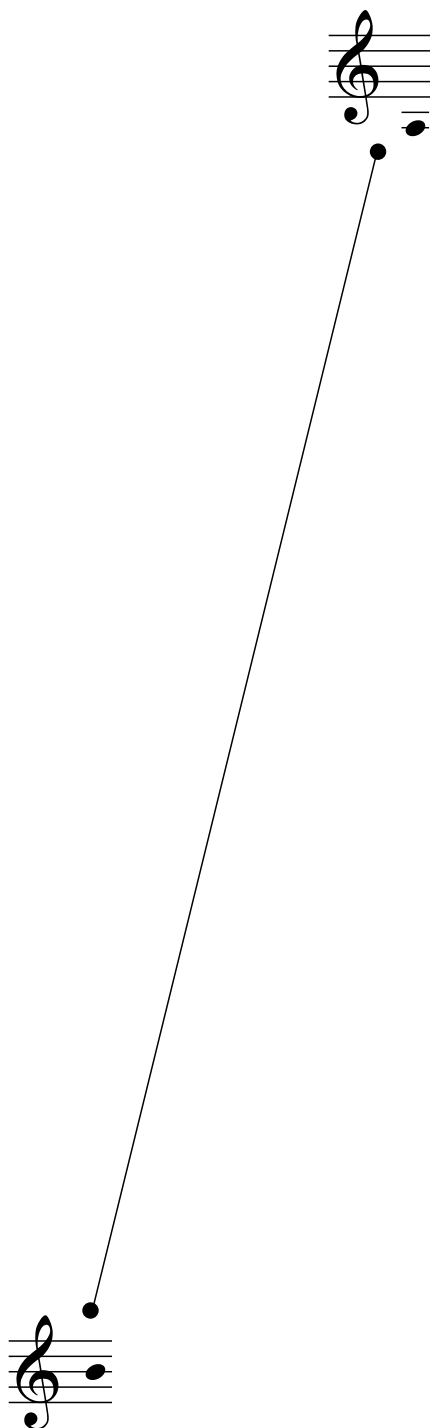
next possible edges:

1, 6, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 27,
 36, 44, 51,
 58, 59, 60, 61, 62, 63



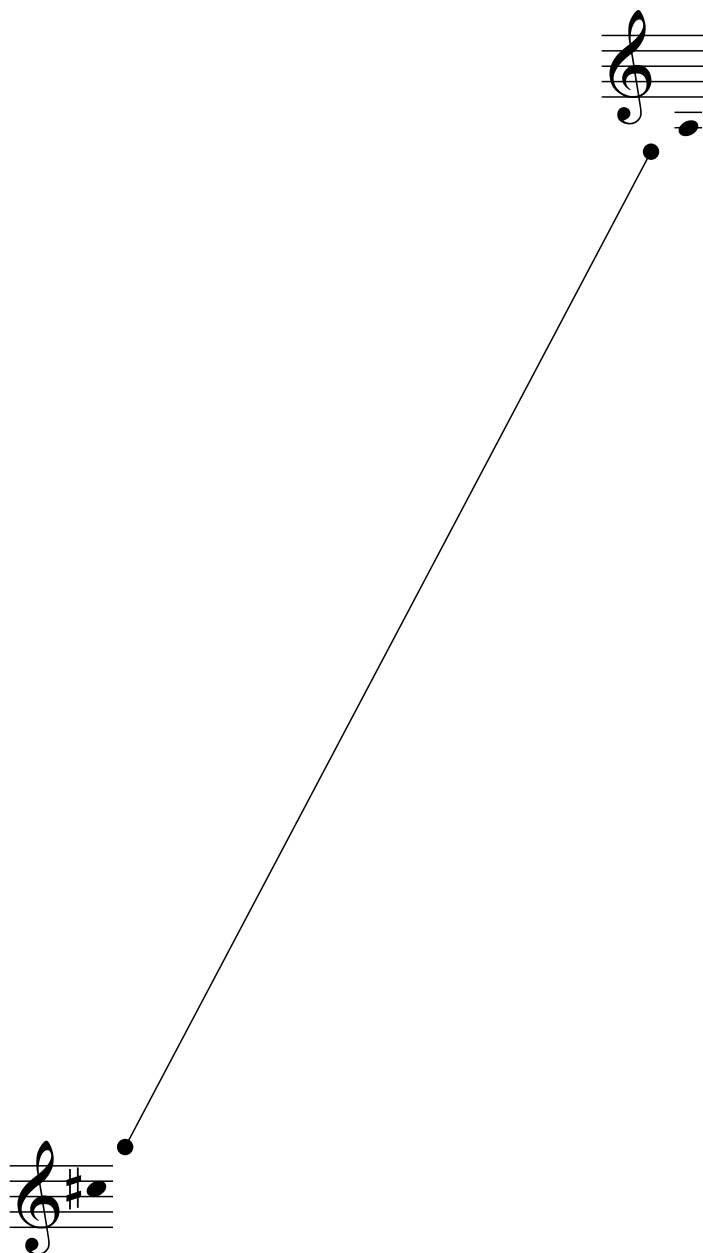
next possible edges:

1, 7 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 28,
37, 45, 52,
58, 64, 65, 66, 67, 68



next possible edges:

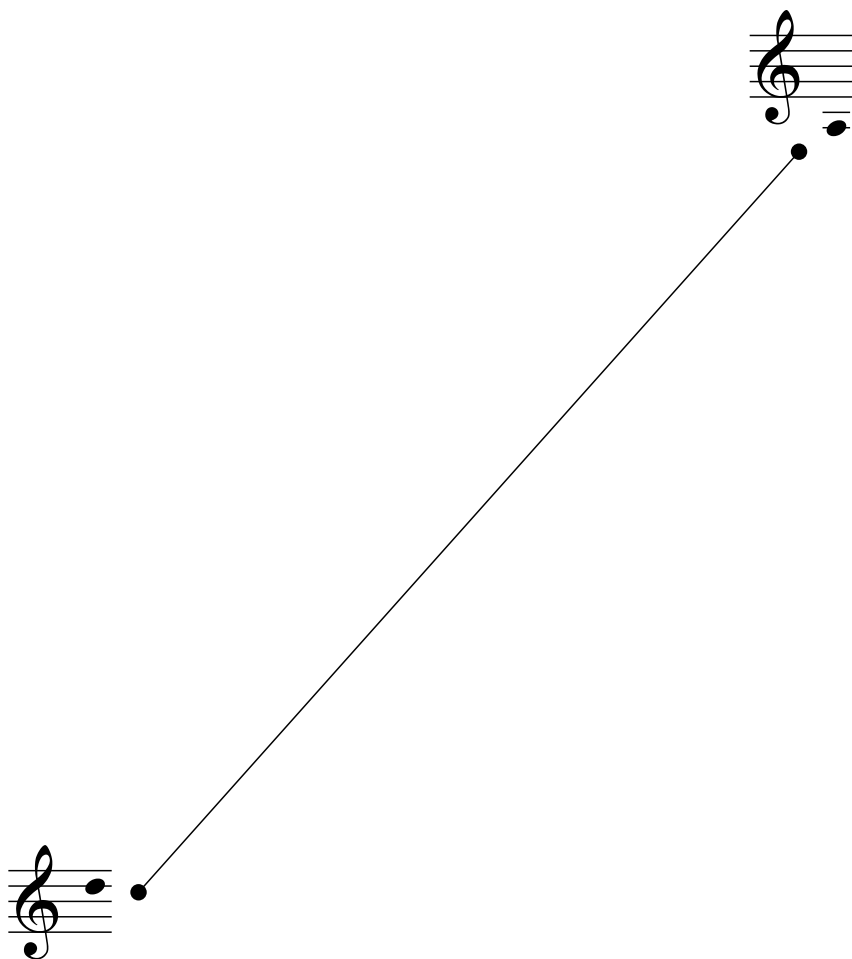
1,	8,	13, 14, 15, 16, 17, 18,	20, 21, 22, 23,	
29,		38,	46,	53,
	59,	64,	69, 70, 71, 72	



next possible edges:

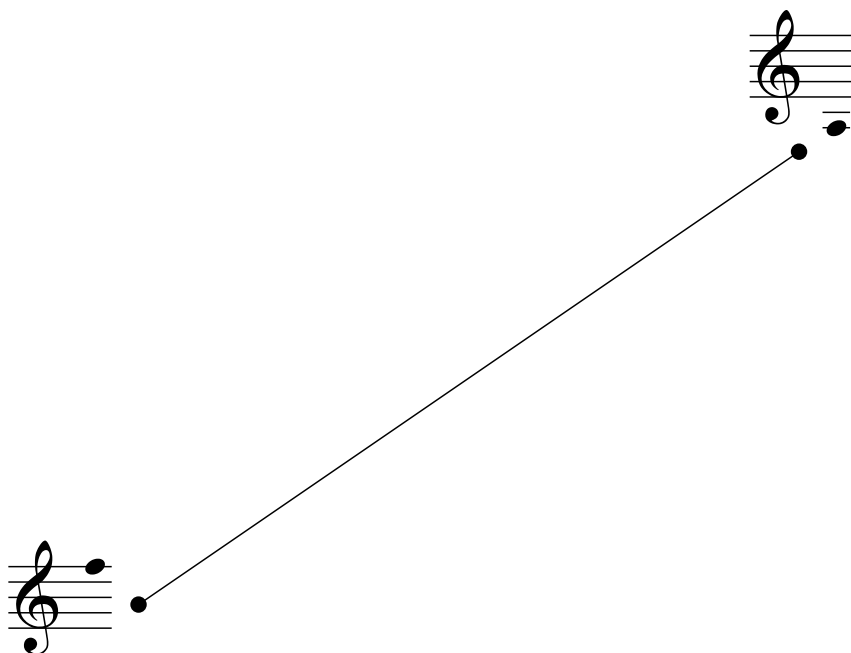
1, 9,
30,
54, 60,

13, 14, 15, 16, 17, 18, 19, 21, 22, 23,
39, 47,
65, 69, 73, 74, 75



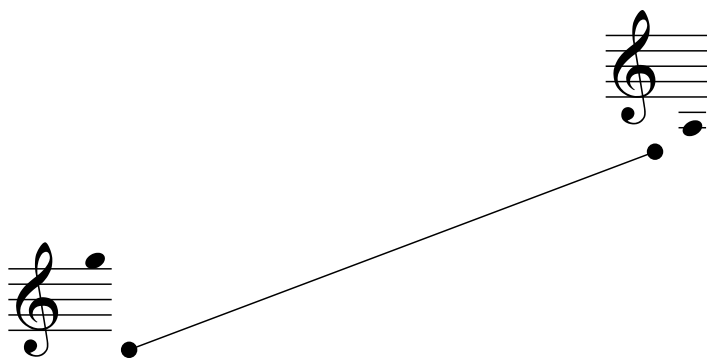
next possible edges:

1, 10, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23,
 31, 40, 48,
 55, 61, 66, 70, 73, 76, 77



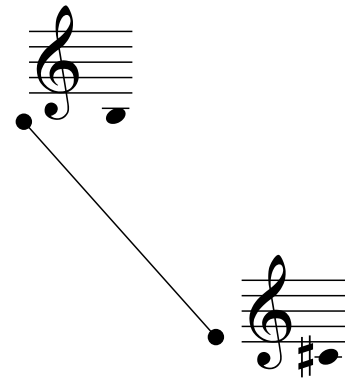
next possible edges:

1, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23,
 32, 41, 49,
 56, 62, 67, 71, 74, 76, 78



next possible edges:

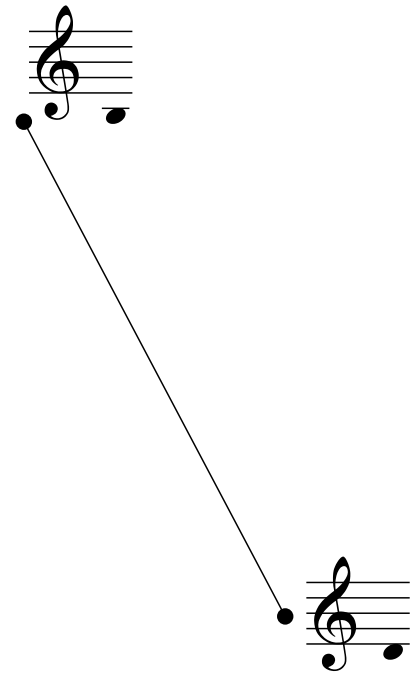
1, 33, 57, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 42, 63, 68, 72, 50, 75, 77, 78



next possible edges:

2, 3, 13, 14,
29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42

■ 25, 26, 27, 28,

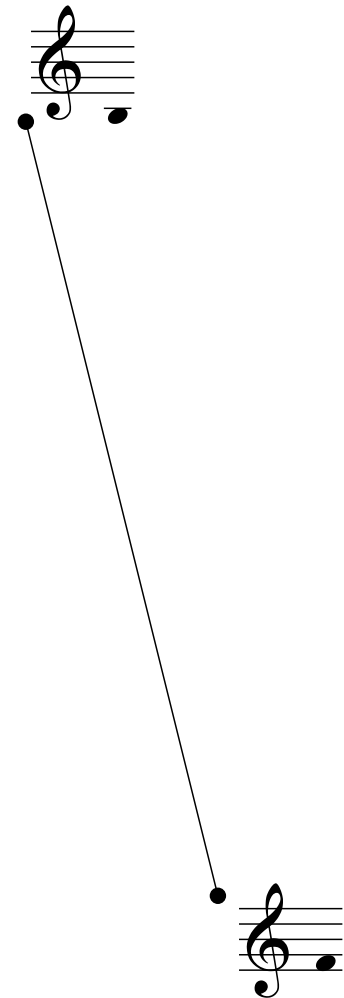


next possible edges:

2, 4,
29, 30, 31, 32, 33, 34,

13, 15,

24, 25 26, 27, 28,
43, 44, 45, 46, 47, 48, 49, 50



next possible edges:

2, 5,
29, 30, 31, 32, 33, 35,
54, 55, 56, 57

13,

16,

43,

24, 25, 26, 27, 28,
51, 52, 53,



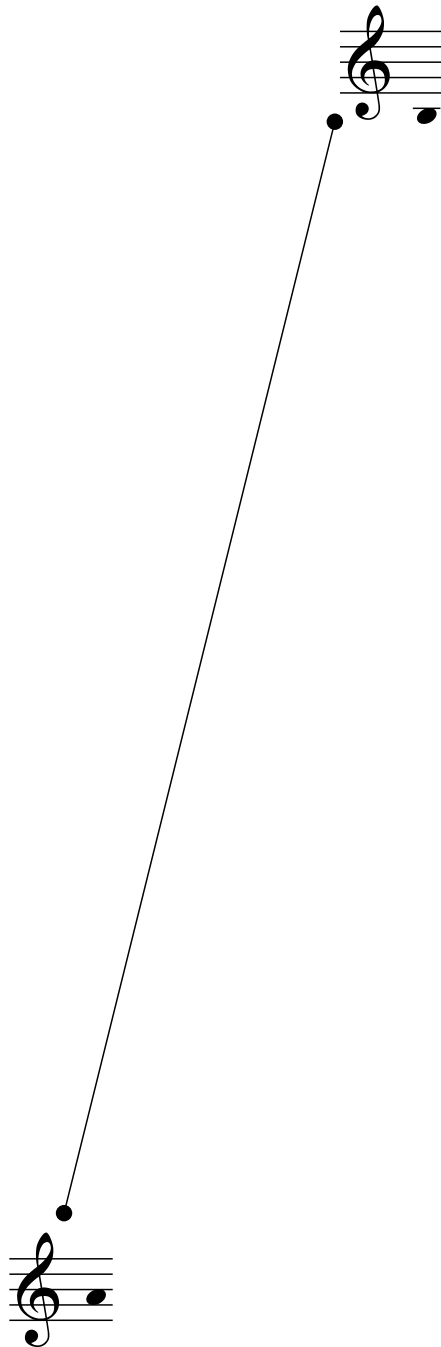
next possible edges:

2, 6, 13,
29, 30, 31, 32, 33, 36,
58, 59, 60, 61, 62, 63

17,

44,

24, 25, 26, 28,
51,

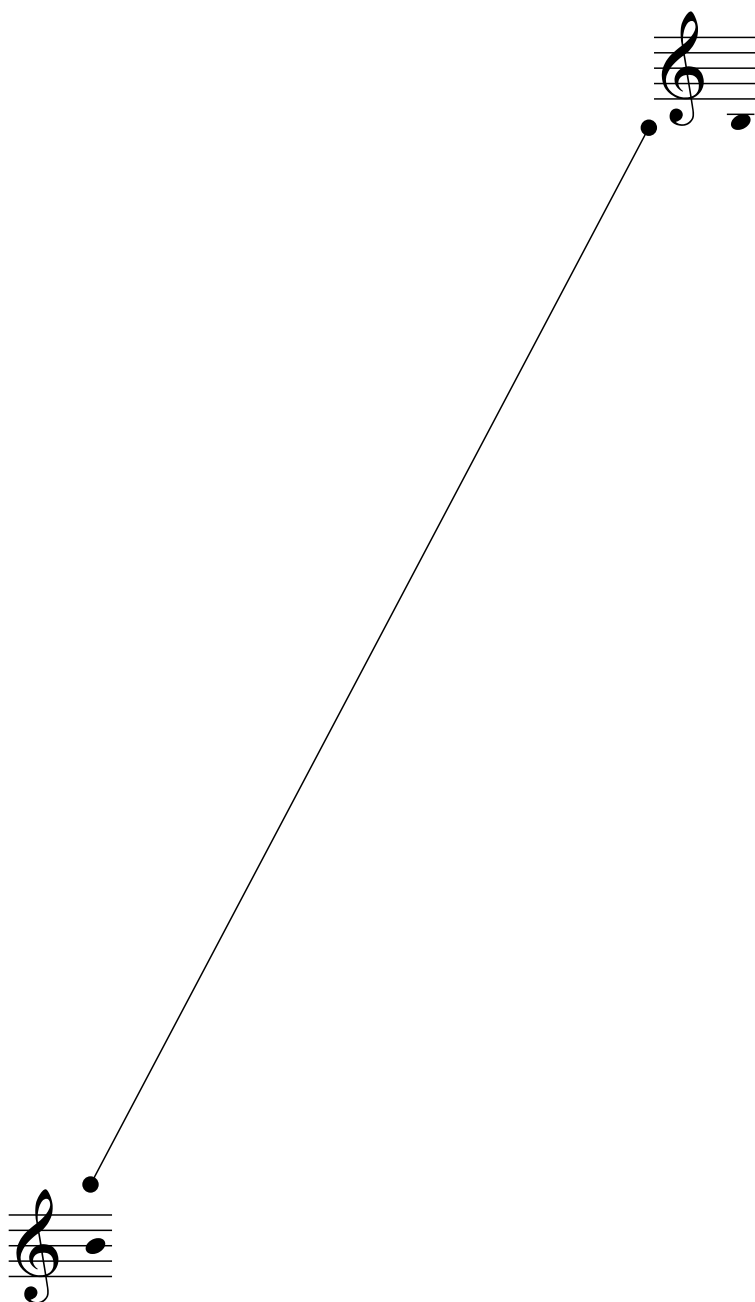


next possible edges:

2, 7,
29, 30, 31, 32, 33,
58,

13, 18,
37, 45,
64, 65, 66, 67, 68

24, 25, 26, 27, ████
52,



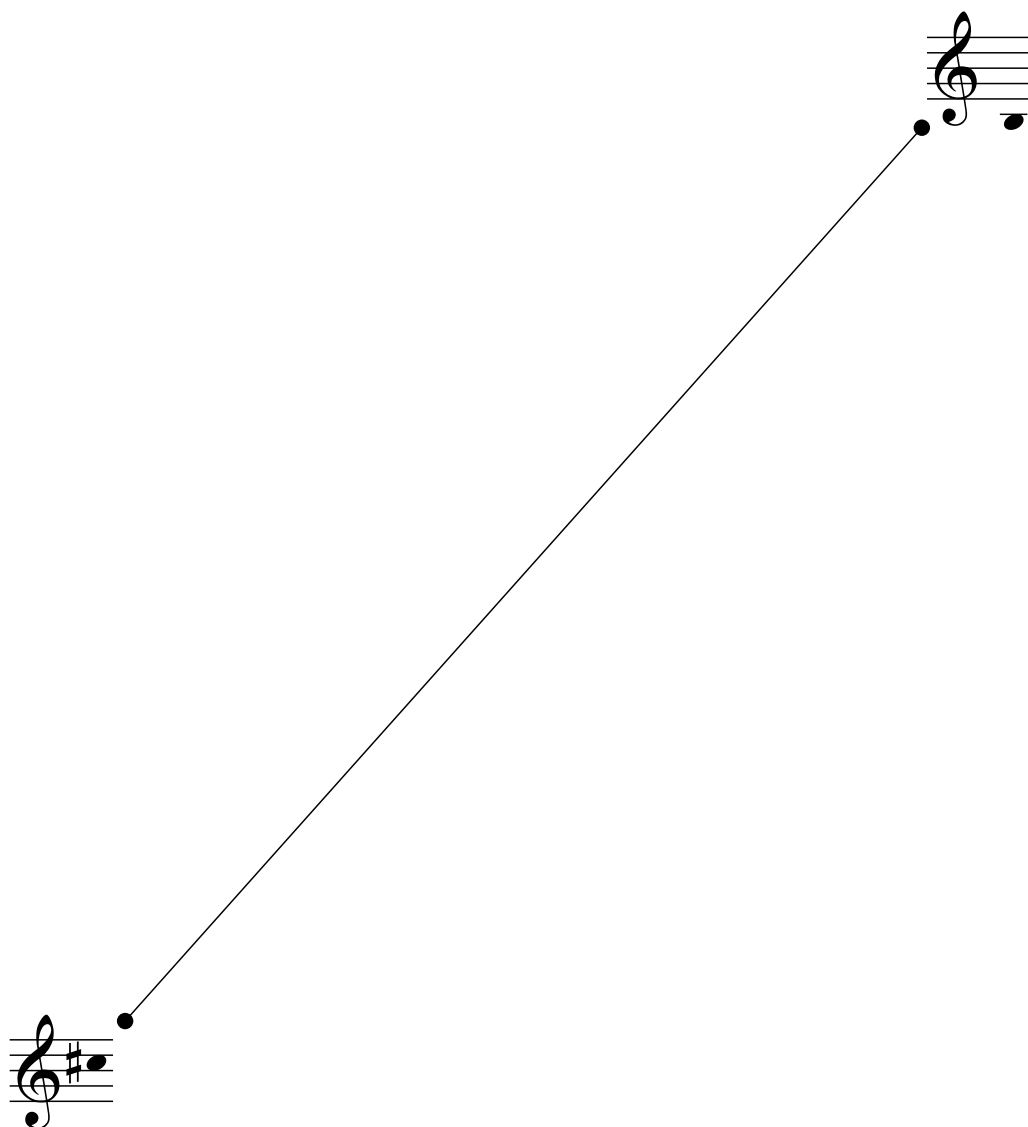
next possible edges:

2, 8,
 30, 31, 32, 33,
 59,

13,
 38,
 64,

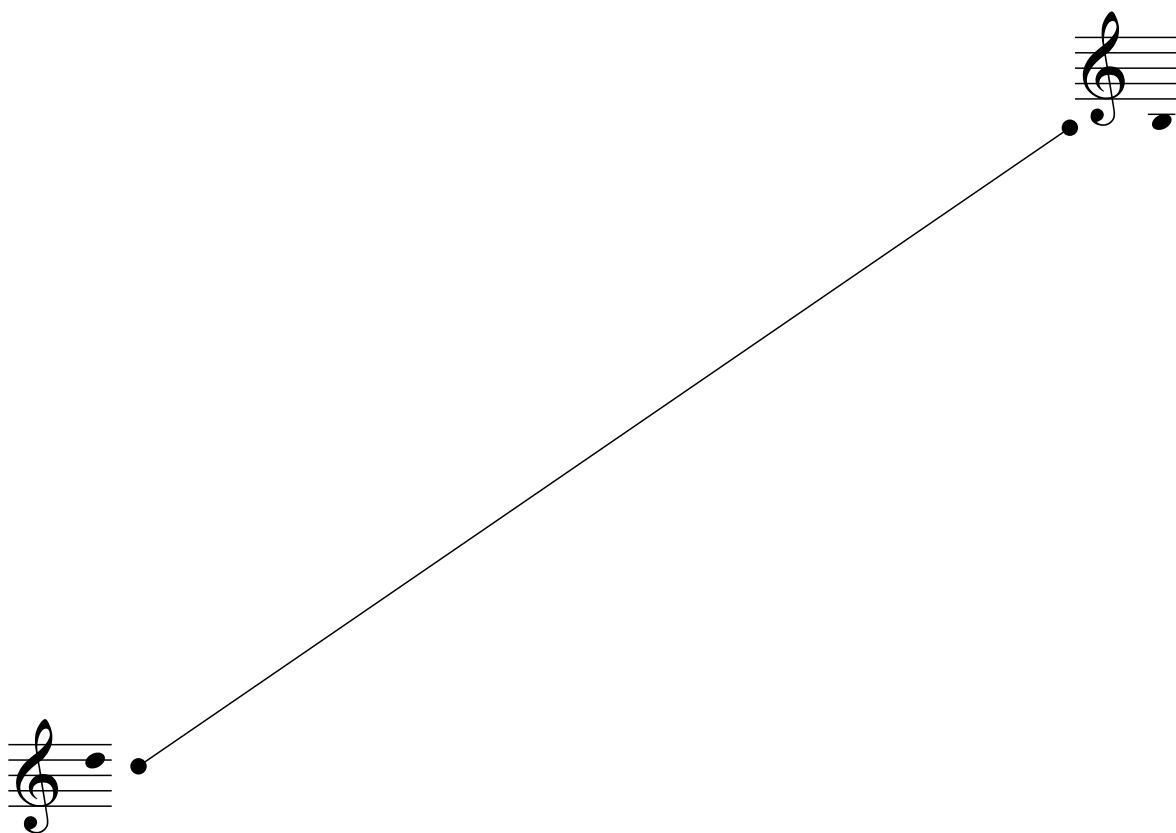
19,
 46,
 69, 70, 71, 72

24, 25, 26, 27, 28,
 53,



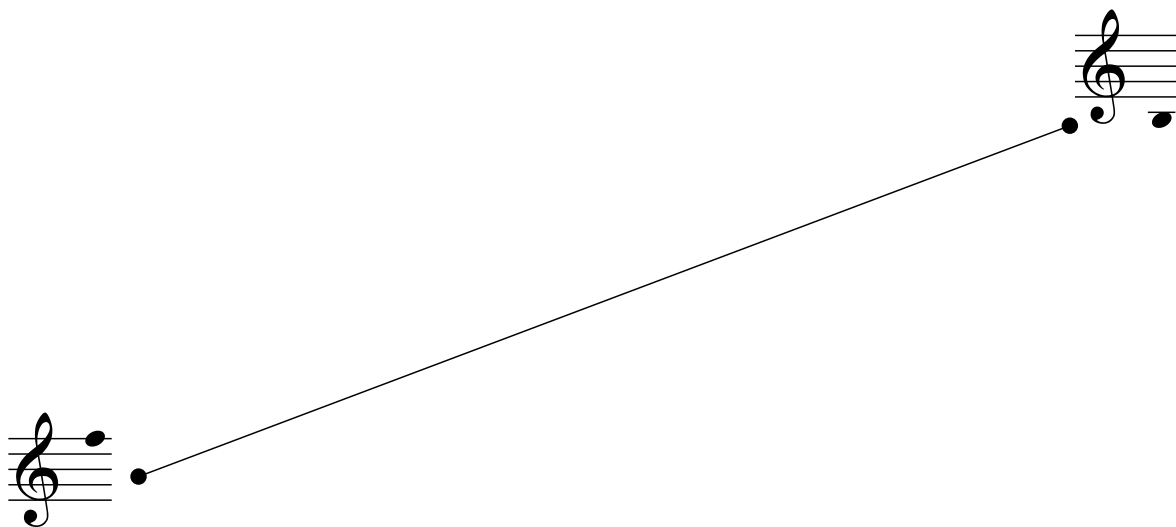
next possible edges:

2, 9, 13, 20, 24, 25, 26, 27, 28,
 29, 31, 32, 33, 39, 47, 73, 74, 75
 54, 60, 65, 69,



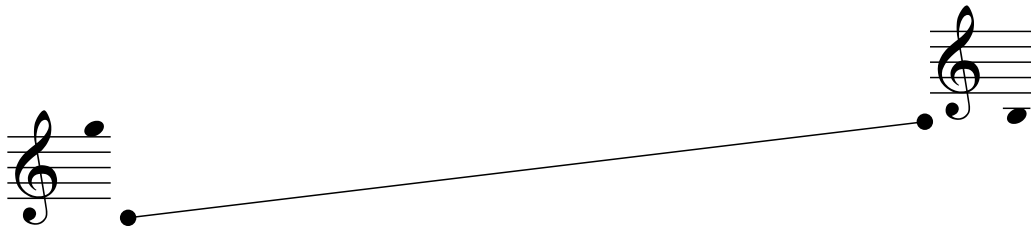
next possible edges:

2, 10, 13, 21, 24, 25, 26, 27, 28,
 29, 30, 32, 33, 40, 48, 73, 76, 77
 55, 61, 66, 70



next possible edges:

2,	11,	13,	22,	24, 25, 26, 27, 28,
29, 30, 31, 33,		41,	49,	
56,	62,	67,	71,	74, 76, 78



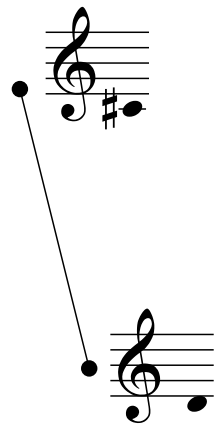
next possible edges:

2,
29, 30, 31, 32, ■
57,

12, 13,
63,

42,
68,

23, 24, 25, 26, 27, 28,
50,
72, 75, 77, 78



next possible edges:

3, 4,

14, 15,

24, 25,

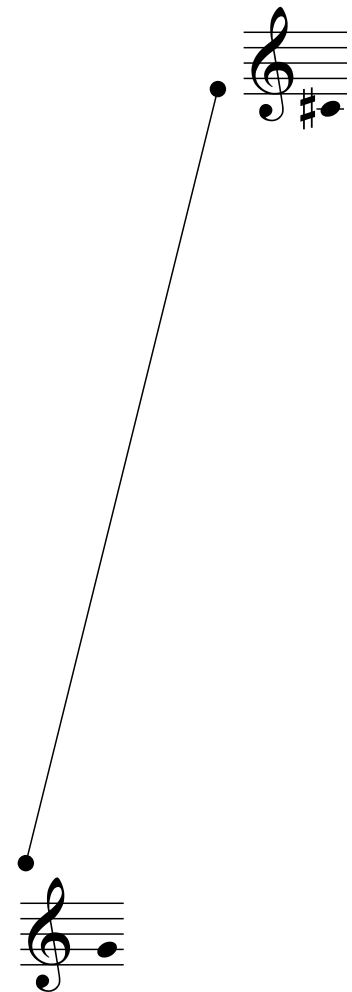
■ 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50



next possible edges:

3, 5, 14, 16,
 34, 36, 37, 38, 39, 40, 41, 42, 43,
 54, 55, 56, 57

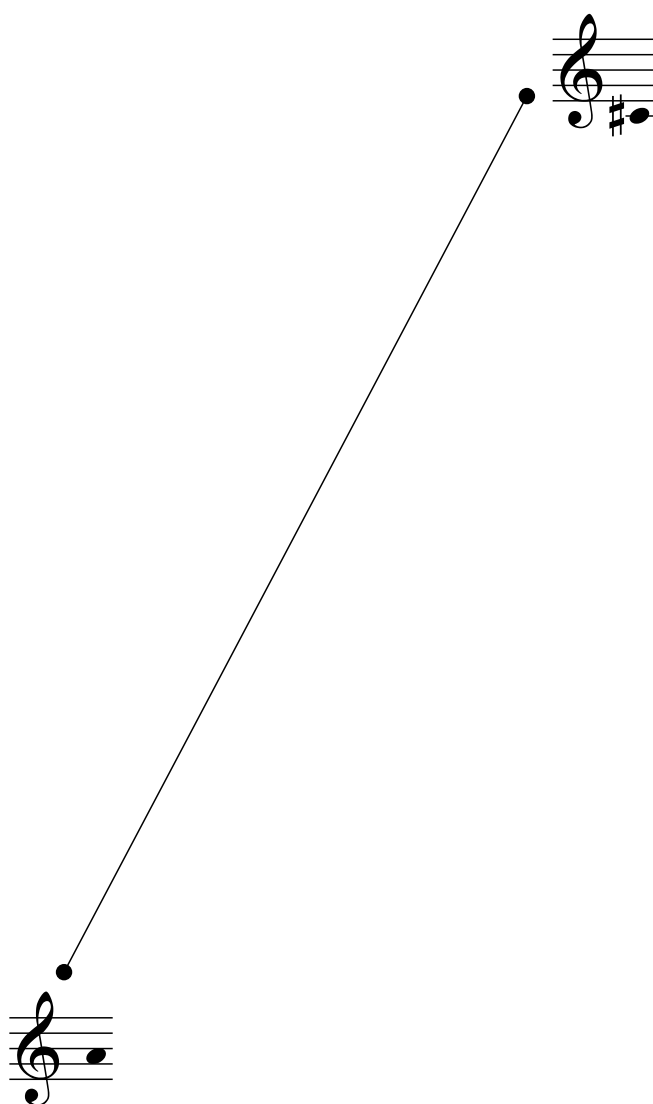
24, 26,
 51, 52, 53,



next possible edges:

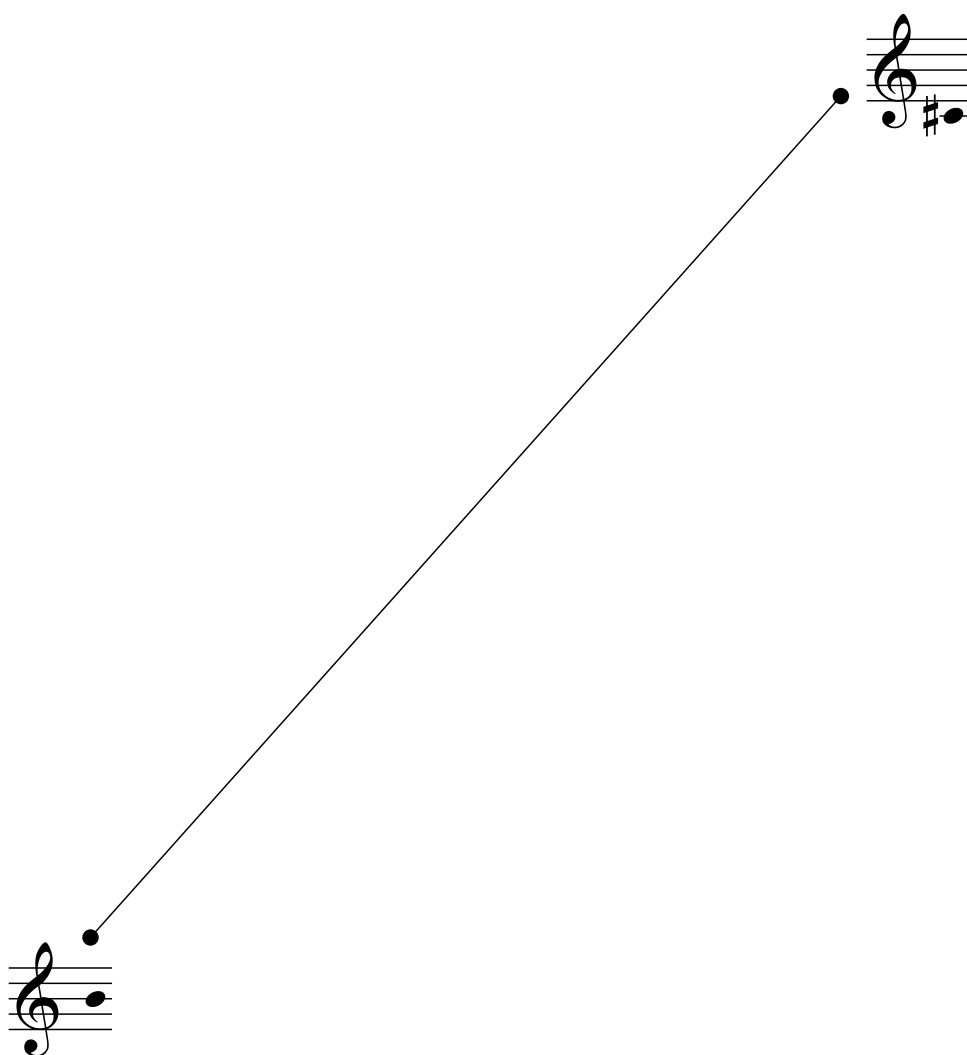
3, 6, 14, 17,
34, 35, 37, 38, 39, 40, 41, 42, 44,
58, 59, 60, 61, 62, 63

24, 27,
51,



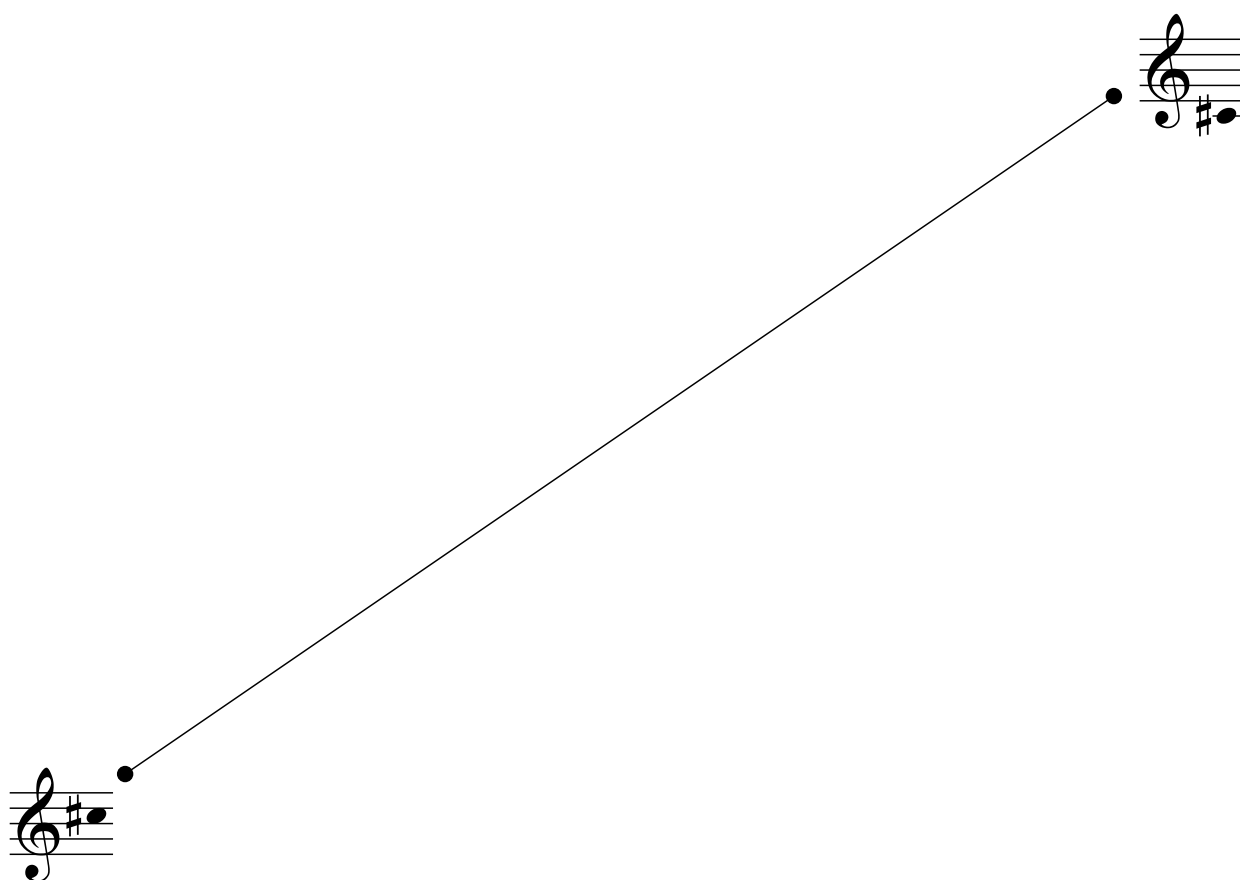
next possible edges:

3, 7, 14, 18, 24, 28,
 34, 35, 36, 38, 39, 40, 41, 42 45, 52,
 58, 64, 65, 66, 67, 68



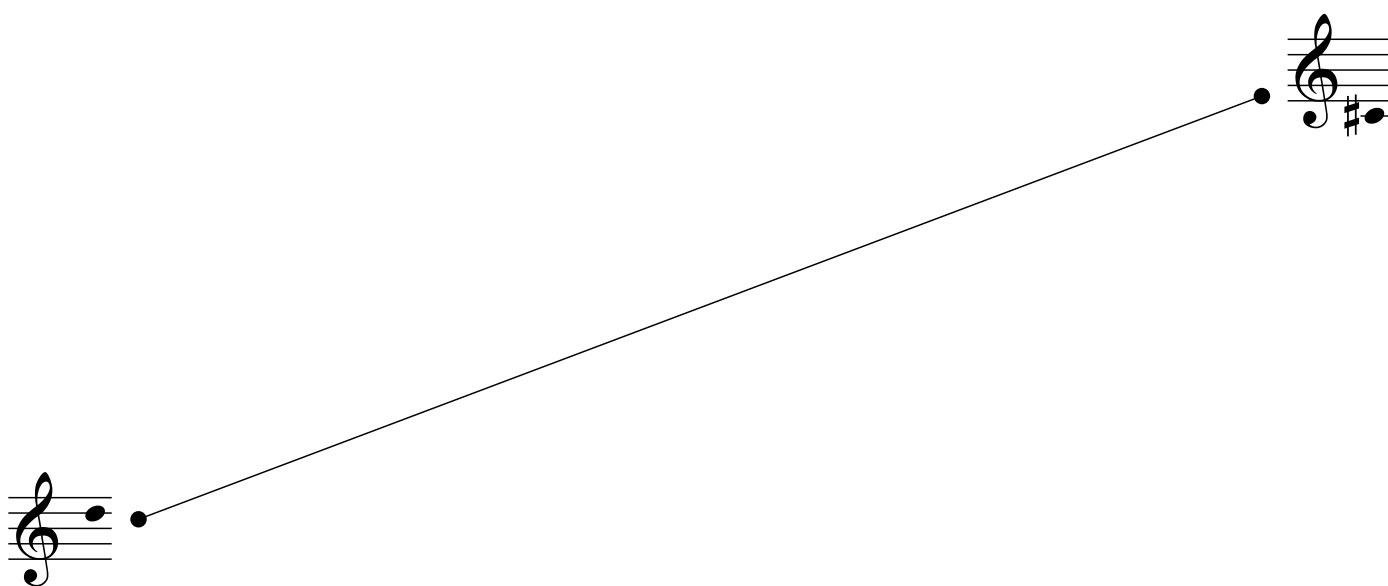
next possible edges:

3,	8,	14,	19,	24,	53,
29,	34, 35, 36, 37,	39, 40, 41, 42,	46,		
	59,	64,	69, 70, 71, 72		



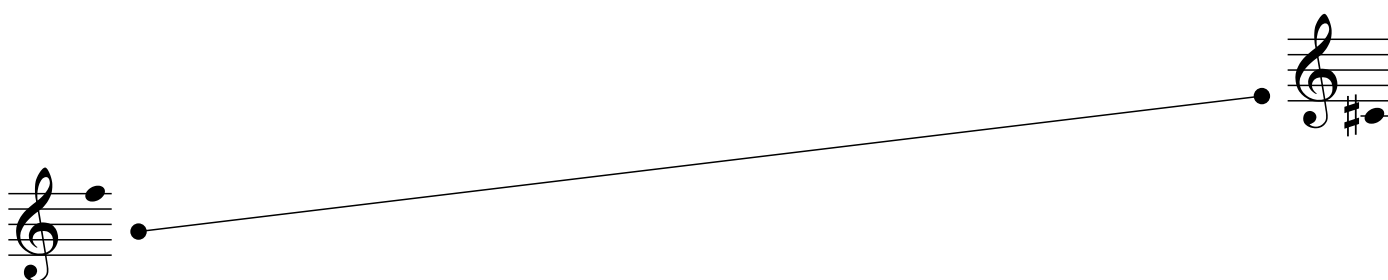
next possible edges:

3,	9,	14,	20,	24,
30,	34, 35, 36, 37, 38,	40, 41, 42,	47,	
54,	60,	65,	69,	73, 74, 75



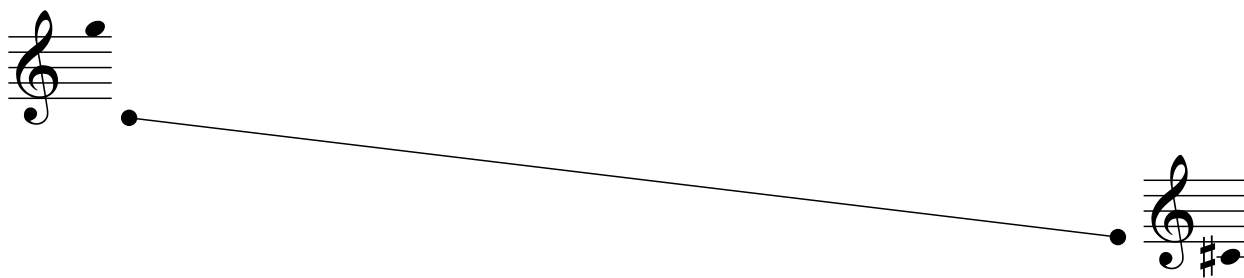
next possible edges:

3,	10,	14,	21,	24,
31,	34, 35, 36, 37, 38, 39,	41, 42	48,	
55,	61,	66,	70,	73,
				76, 77



next possible edges:

3, 11, 14, 22, 24,
 32, 34, 35, 36, 37, 38, 39, 40, 42, 49,
 56, 62, 67, 71, 74, 76, 78



next possible edges:

3,

12,

14,

23, 24,

33, 34, 35, 36, 37, 38, 39, 40, 41,



50,

57,

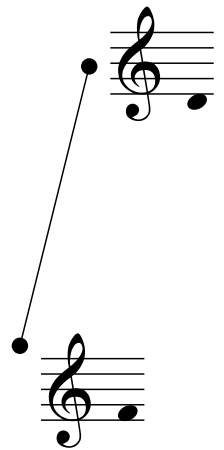
63,

68,

72,

75,

77, 78



next possible edges:

4, 5,

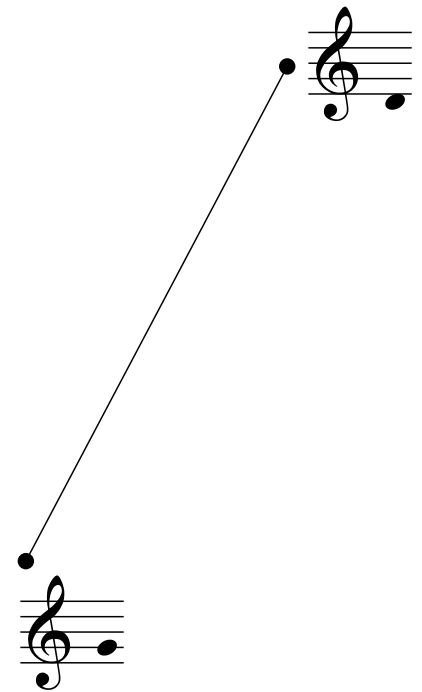
34, 35,

54, 55, 56, 57

15, 16,

25, 26,

44, 45, 46, 47, 48, 49, 50, 51, 52, 53,



next possible edges:

4, 6,

34, 36,

58, 59, 60, 61, 62, 63

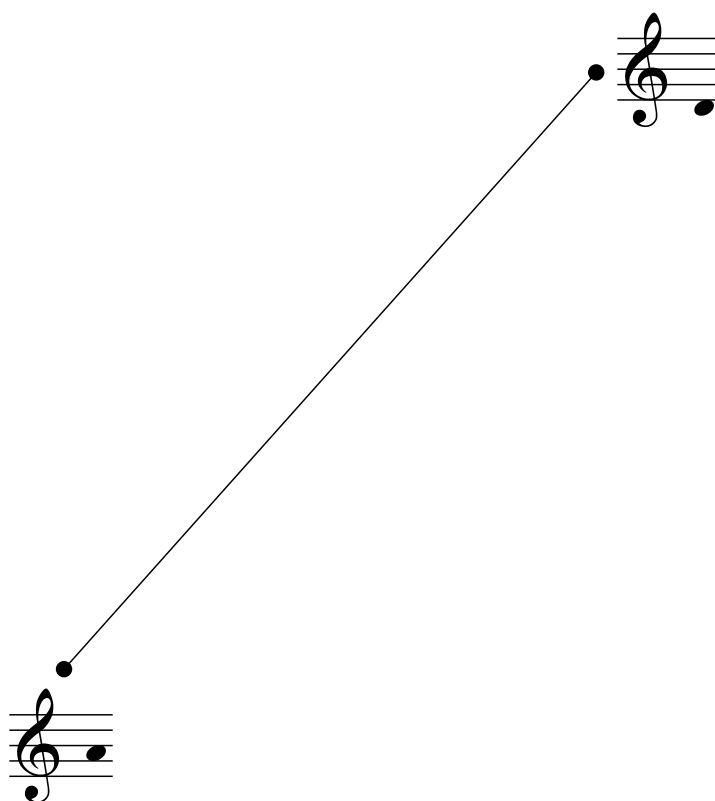
15,

17,

43, 44, 45, 46, 47, 48, 49, 50, 51

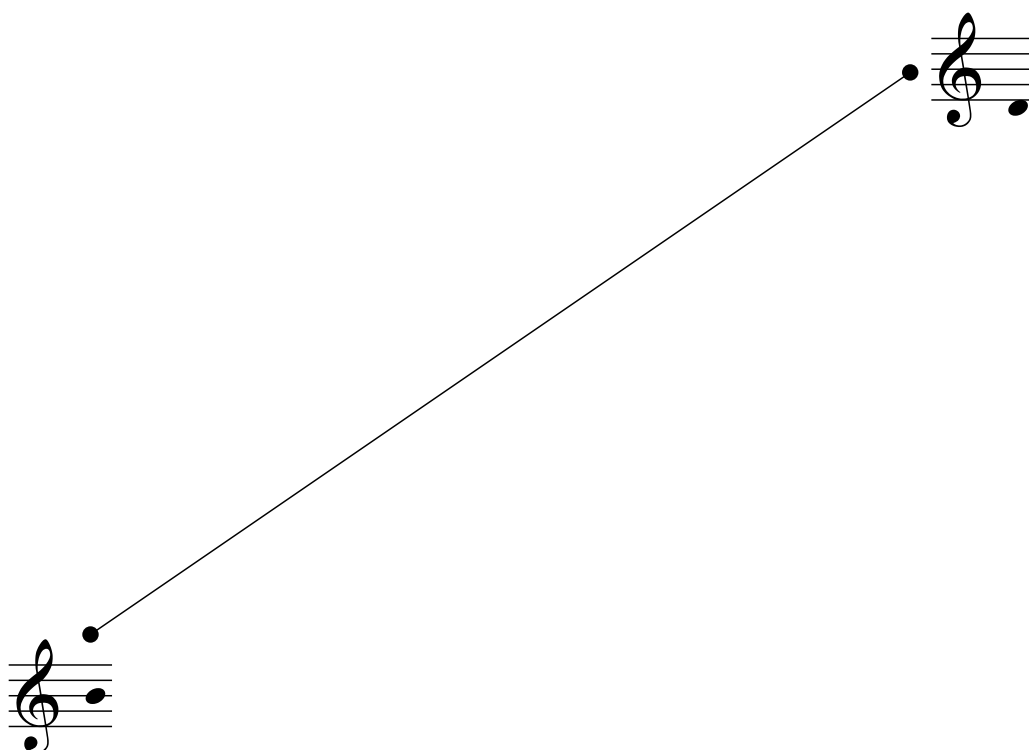
25,

27,



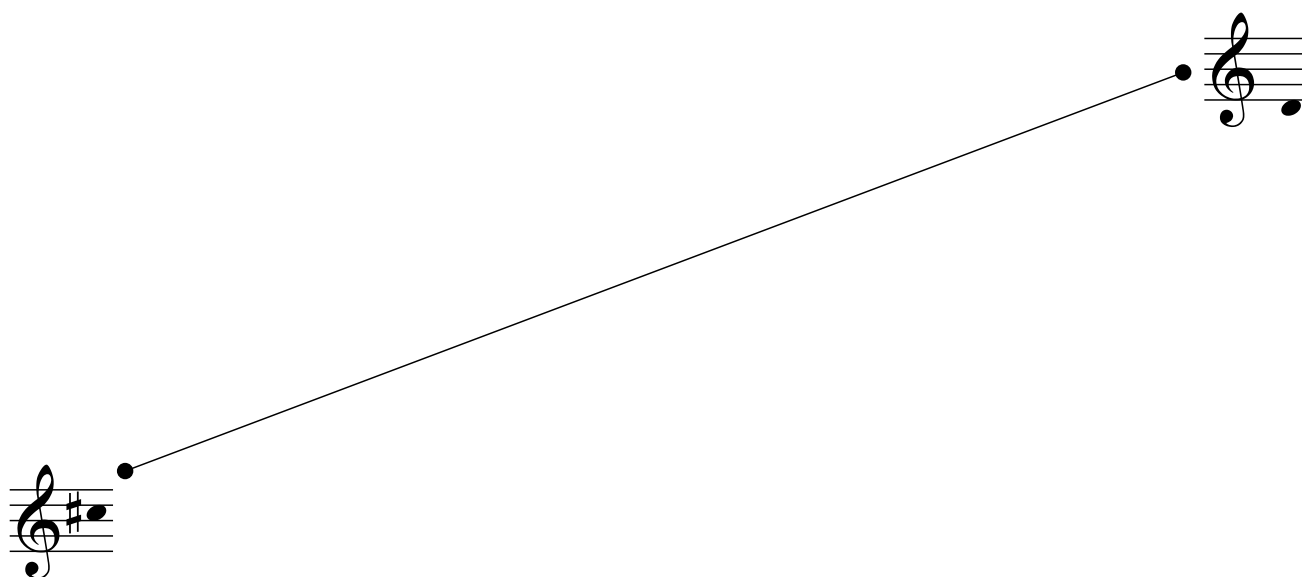
next possible edges:

4, 7, 15, 18, 25, 28,
 34, 37, 43, 44, 46, 47, 48, 49, 50, 52,
 58, 64, 65, 66, 67, 68



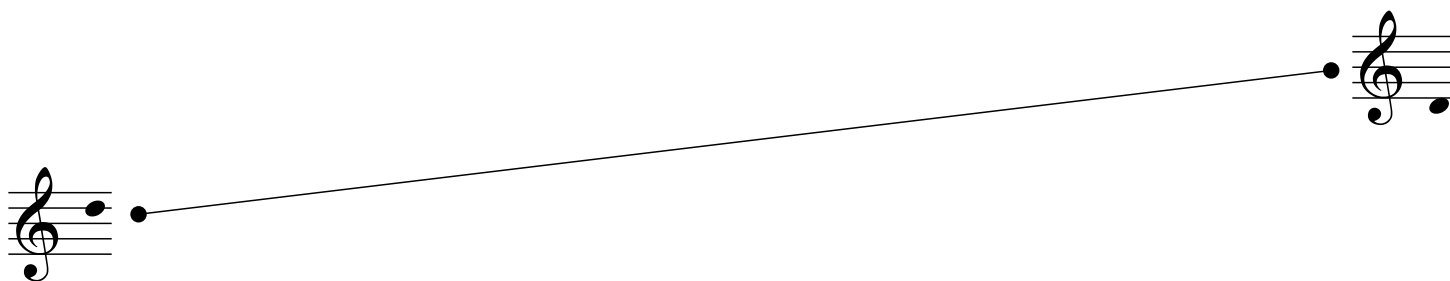
next possible edges:

29, 4, 8, 15, 19, 25, 53,
 38, 64, 43, 44, 45, 47, 48, 49, 50, 69, 70, 71, 72



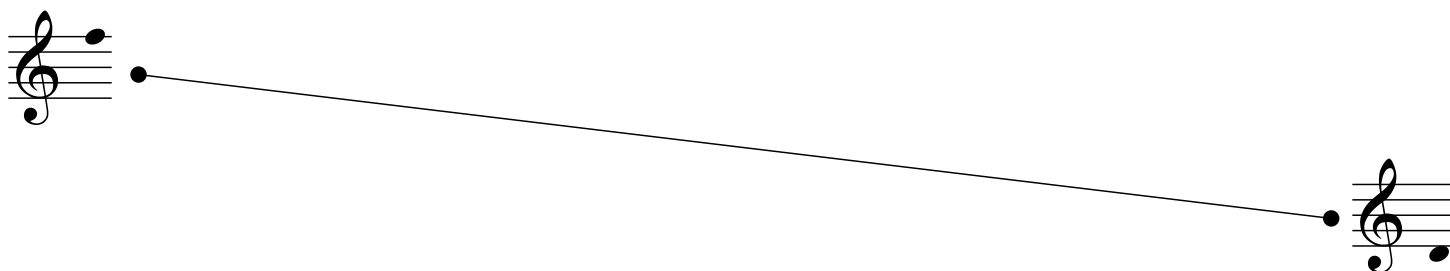
next possible edges:

4,	9,	15,	20,	25,
30,	34,	39,	43, 44, 45, 46,	48, 49, 50,
54,	60,	65,	69,	73, 74, 75



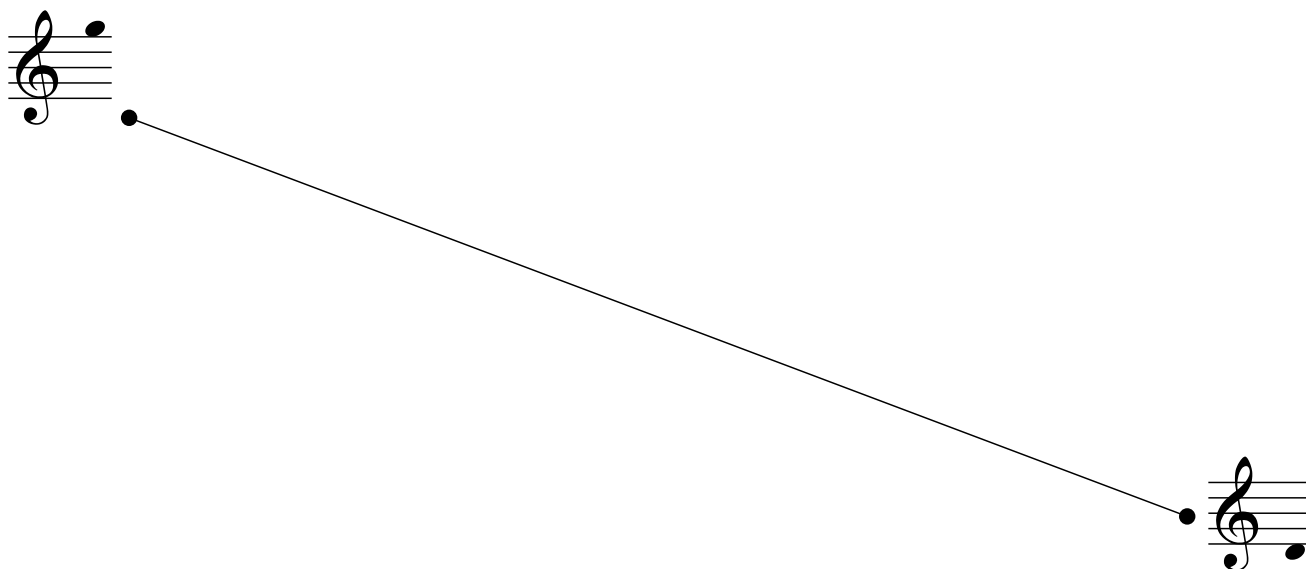
next possible edges:

4,	10,	15,	21,	26,
31,	34,	40,	43, 44, 45, 46, 47,	49, 50,
55,	61,	66,	70,	73,
				76, 77



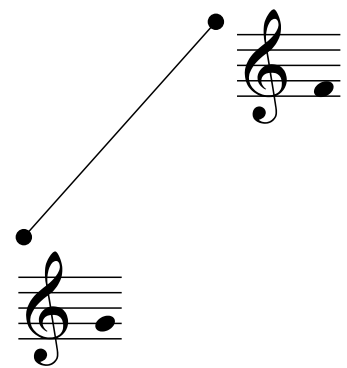
next possible edges:

4, 11, 15, 22, 25,
 32, 34, 41, 43, 44, 45, 46, 47, 48, 50
 56, 62, 67, 71, 74, 76, 78



next possible edges:

4, 12, 15, 23, 25,
 33, 34, 42, 43, 44, 45, 46, 47, 48, 49, ████
 57, 63, 68, 72, 75, 77, 78



next possible edges:

5, 6,

35, 36,

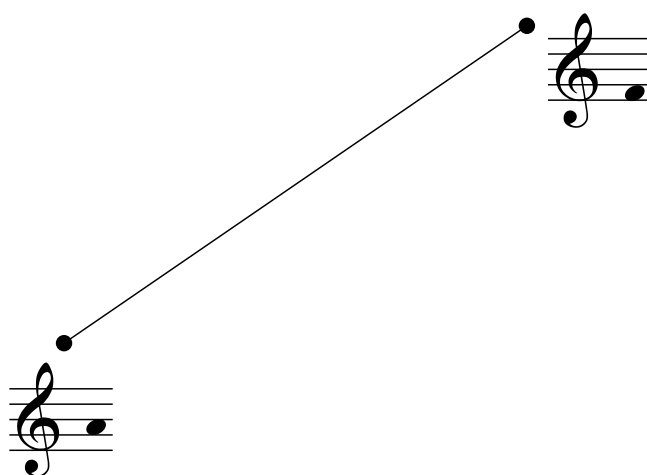
54, 55, 56, 57, 58, 59, 60, 61, 62, 63

16, 17,

43, 44,

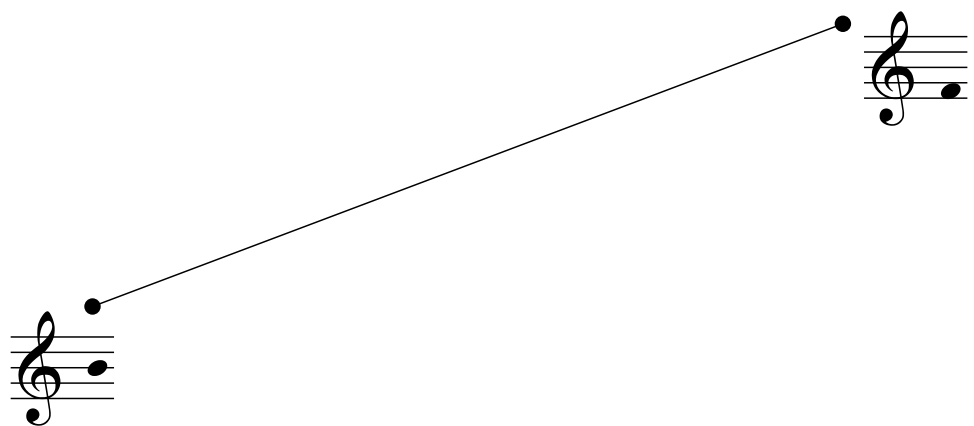
26, 27,

■ 52, 53,



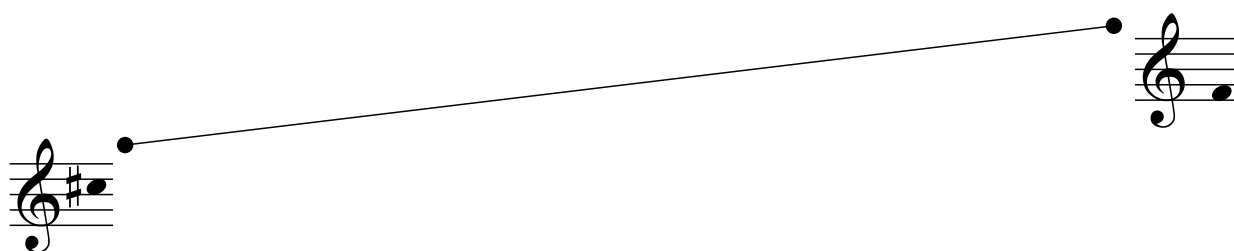
next possible edges:

5,	7,		16,	18,		26,	28,
		35,	37,	43,	45,	51,	53,
54, 55, 56, 57, 58,			64, 65, 66, 67, 68				



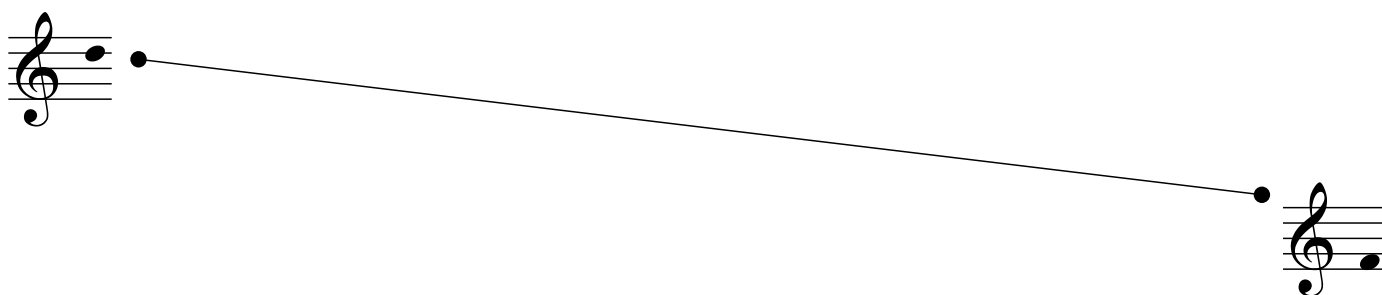
next possible edges:

29, 5, 8, 35, 38, 16, 19, 43, 46, 26,
 54, 55, 56, 57, 59, 64, 69, 70, 71, 72 51, 52, ████



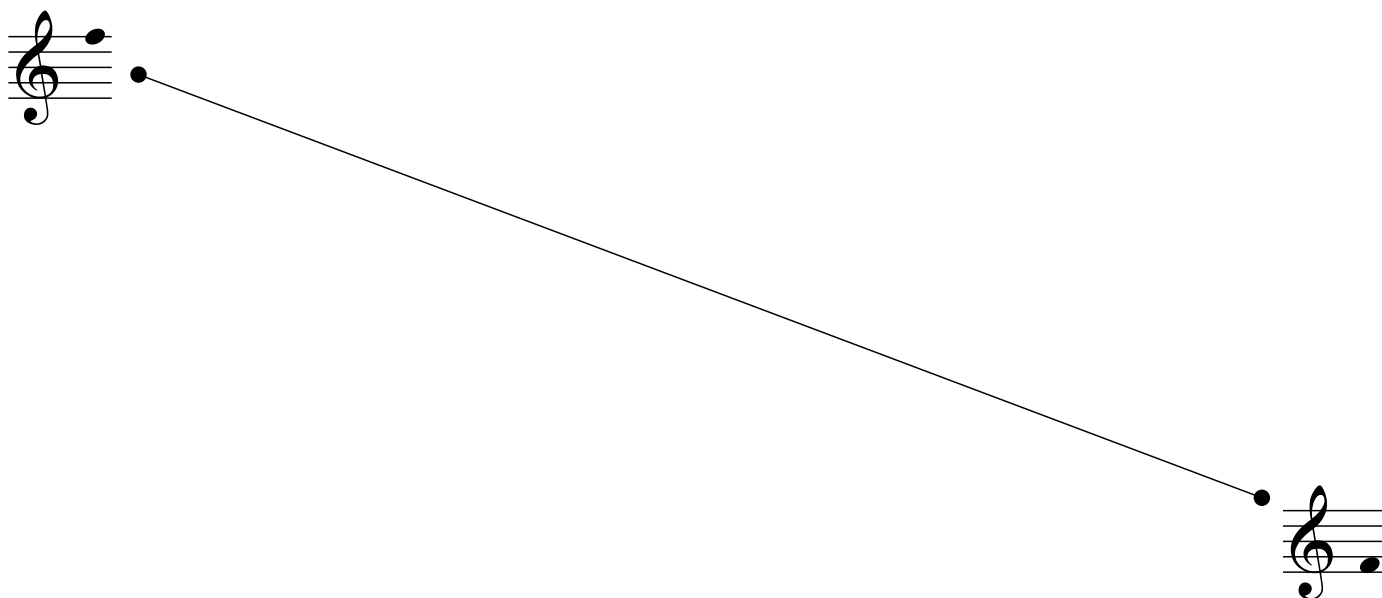
next possible edges:

5,	9,		16,	20,		26,
30,	35,	39,	43,	47,	51, 52, 53,	
55, 56, 57,	60,	65,	69,	73, 74, 75		



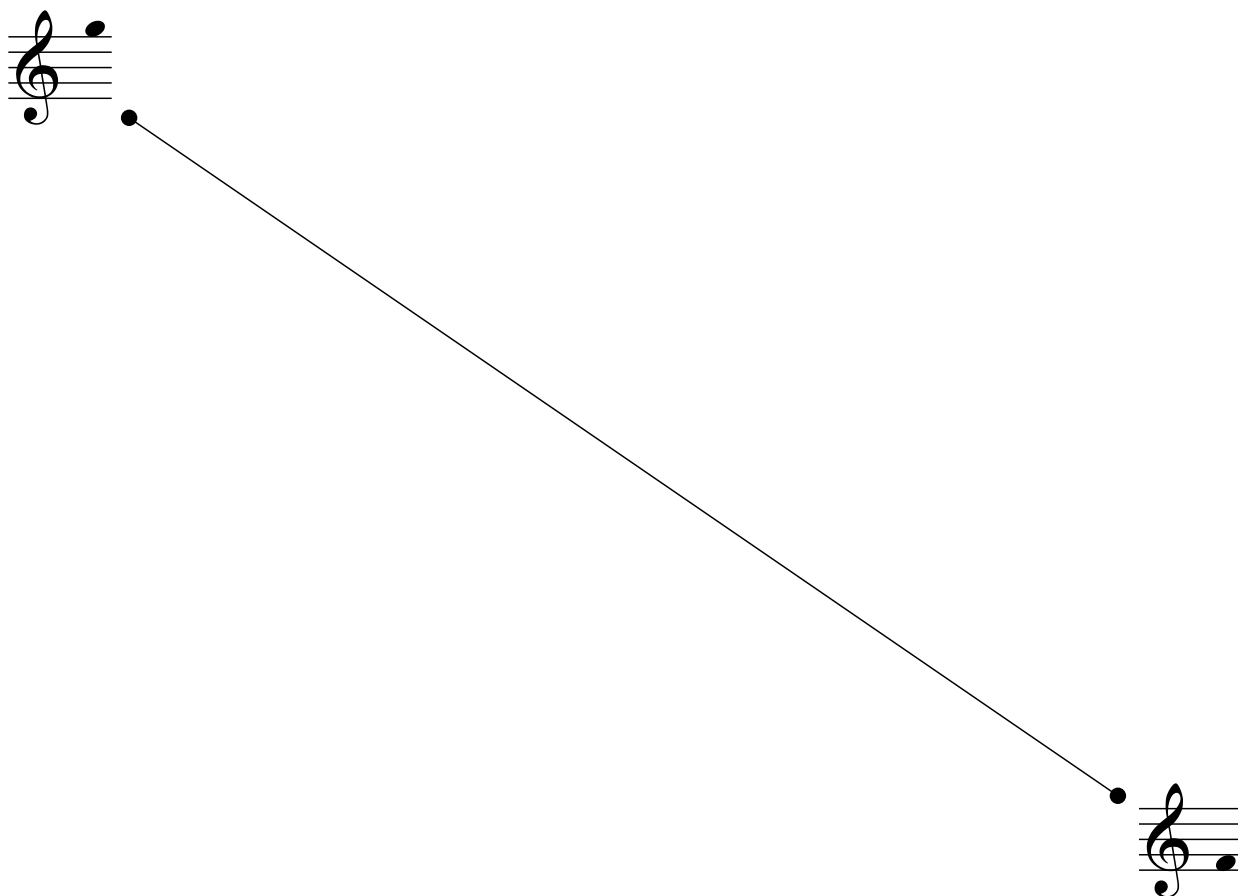
next possible edges:

5,	10,	16,	21,	26,
31,	35,	40,	43,	48,
54, 56, 57,	61,	66,	70,	73,
				51, 52, 53,
				76, 77



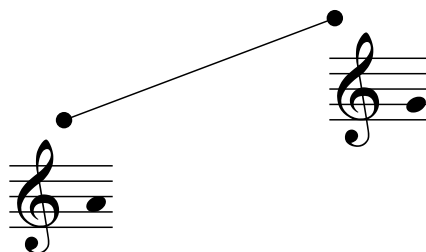
next possible edges:

5,	11,	16,	22,	26,
32,	35,	41,	43,	49,
54, 55, 57,	62,	67,	71,	74,
				51, 52, 53,
				76, 78



next possible edges:

5,	12,	16,	23,	26,
33,	35,	42, 43,	50, 51, 52, 53,	
54, 55, 56, ■	63,	68,	72,	75, 77, 78



next possible edges:

6, 7,

36, 37,

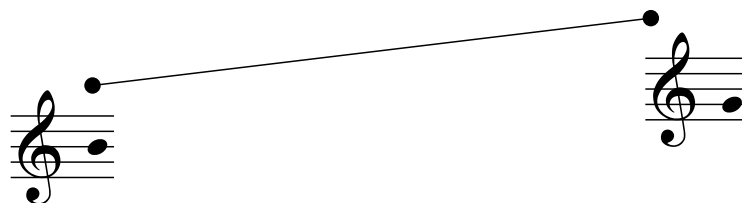
17, 18,

44, 45,

27, 28,

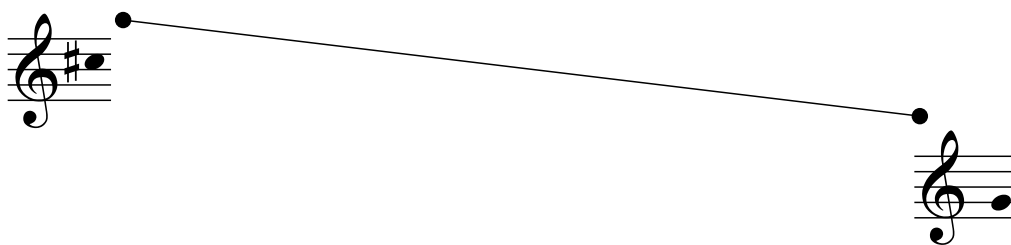
51, 52,

■ 59, 60, 61, 62, 63, 64, 65, 66, 67, 68



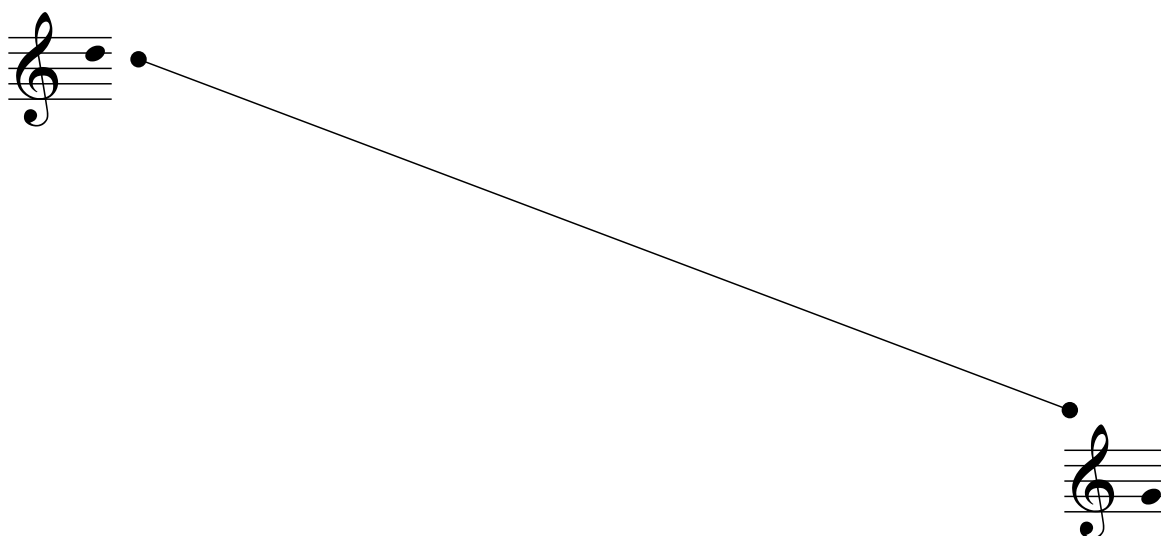
next possible edges:

29,	6, 8,	36, 38,	17,	19,	27,
	58, ■	60, 61, 62, 63, 64,	44,	46,	51, 53,
			69, 70, 71, 72		



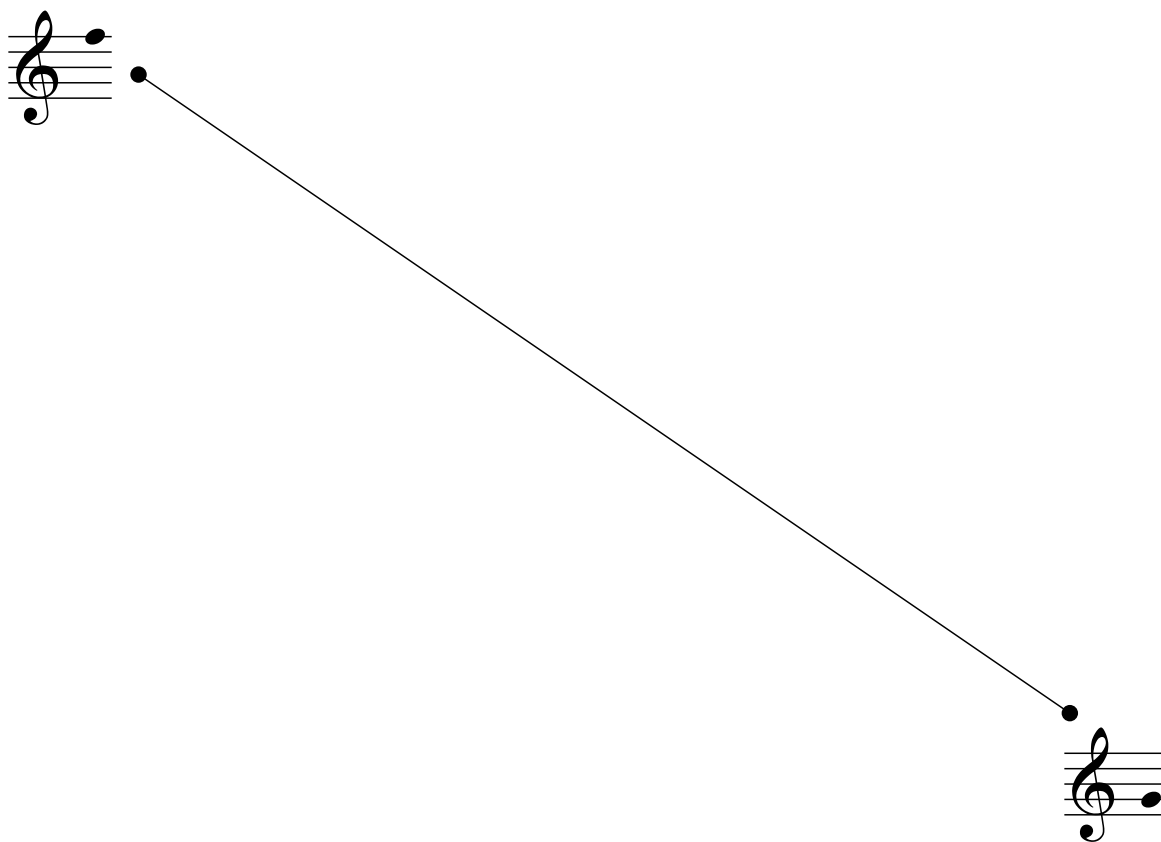
next possible edges:

6, 9, 17, 20, 27,
 30, 36, 39, 44, 47, 51,
 54, 58, 59, 61, 62, 63, 65, 69, 73, 74, 75



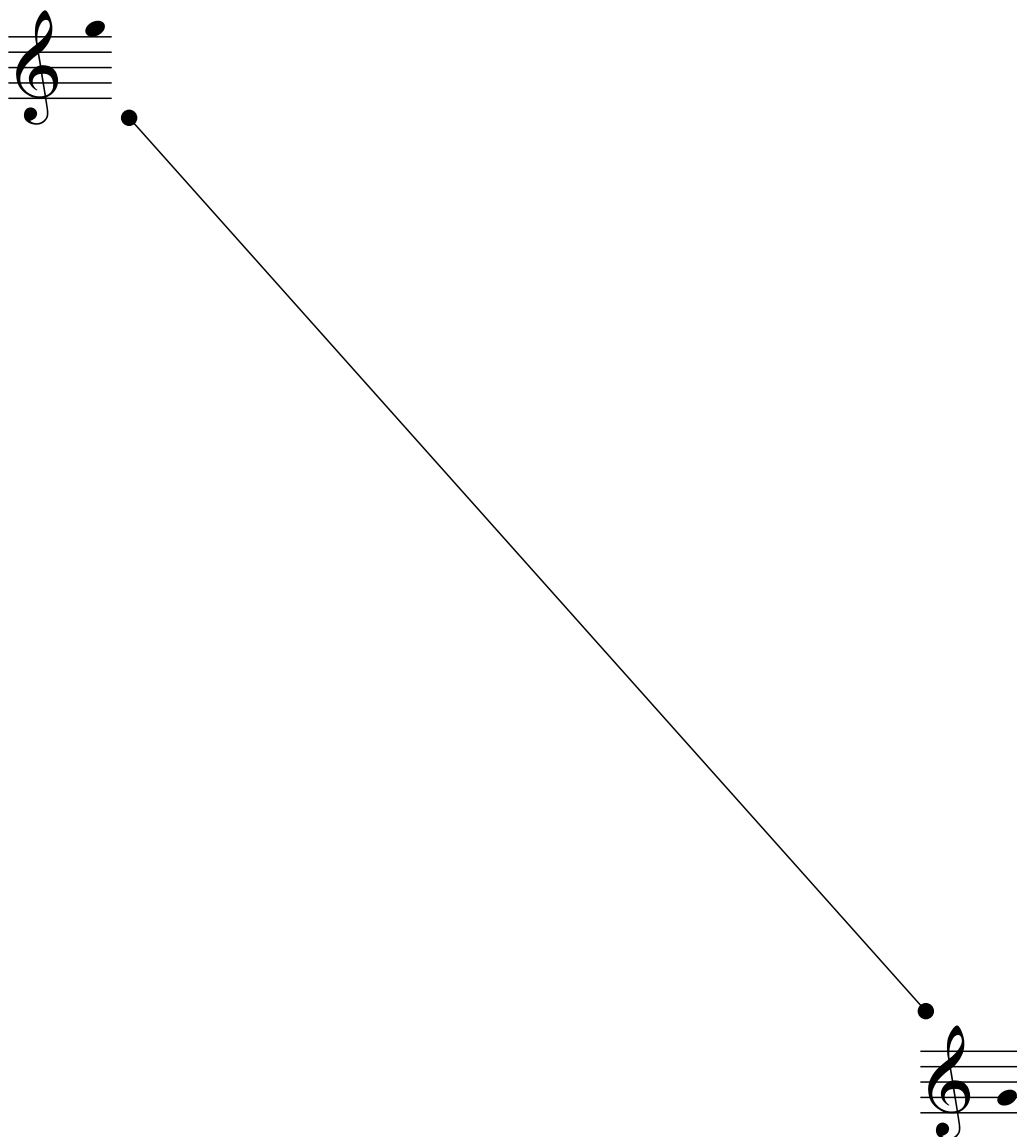
next possible edges:

6,	10,	17,	21,	27,
31,	36,	40,	44,	48,
55,	58, 59, 60,	62, 63,	66,	70,
			73,	76, 77



next possible edges:

6,	11,	17,	22,	27,
32,	36,	41,	44,	49,
56,	58, 59, 60, 61,	63,	67,	71,
			74,	76,
				78

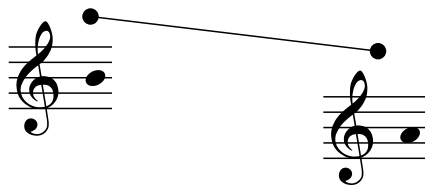


next possible edges:

6, 12,
33, 36,
57, 58, 59, 60, 61, 62, ■

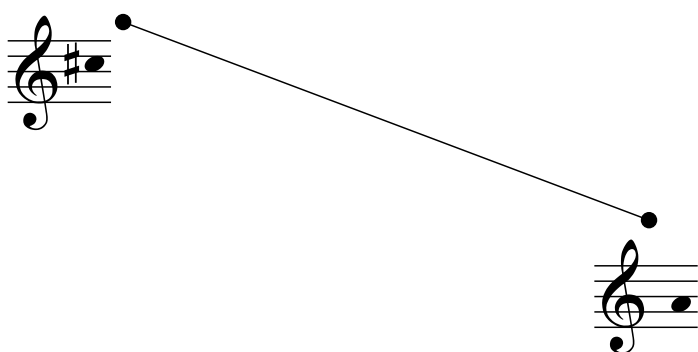
17, 42, 44,
68,

23, 27,
50, 51, 75, 77, 78
72,



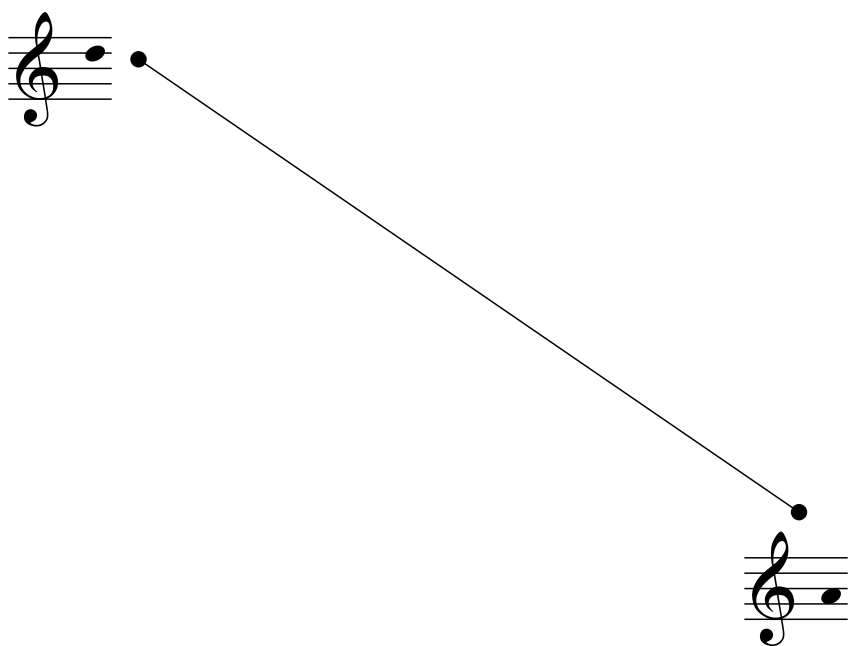
next possible edges:

	7, 8,		18, 19,		28,
29,		37, 38,	45, 46,		52, 53,
	58, 59,	65, 66, 67, 68, 69, 70, 71, 72			



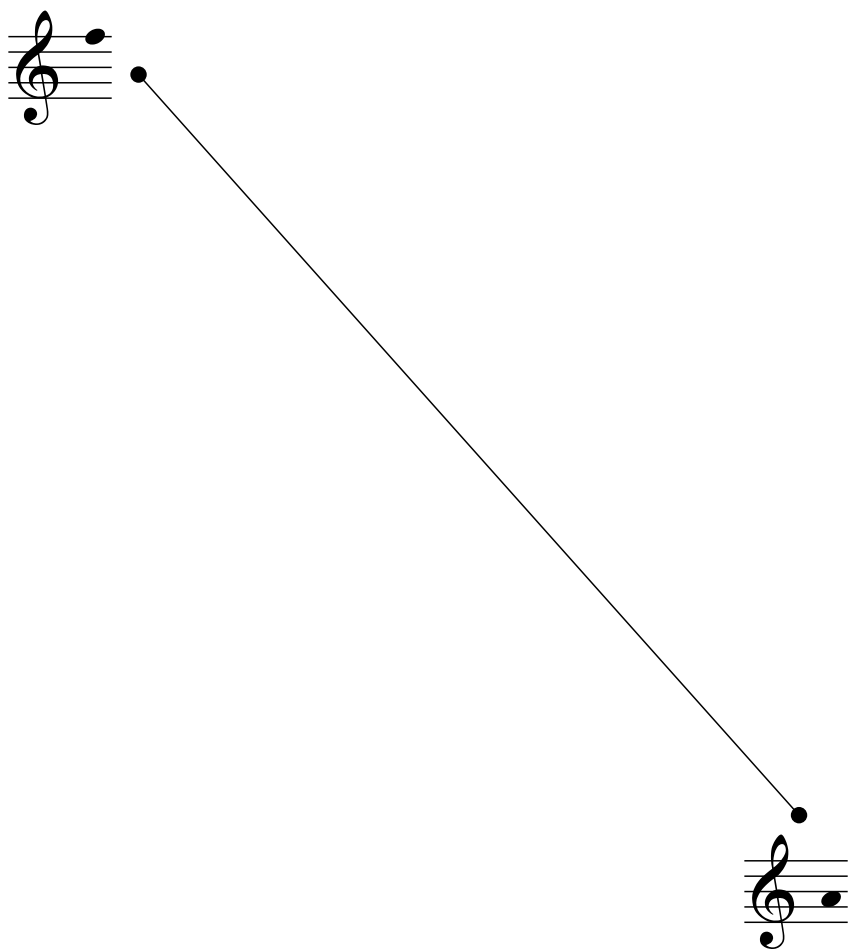
next possible edges:

30, 7, 9, 18, 20, 28,
 54, 58, 60, 37, 39, 45, 47, 52,
 64, 66, 67, 68, 69, 73, 74, 75



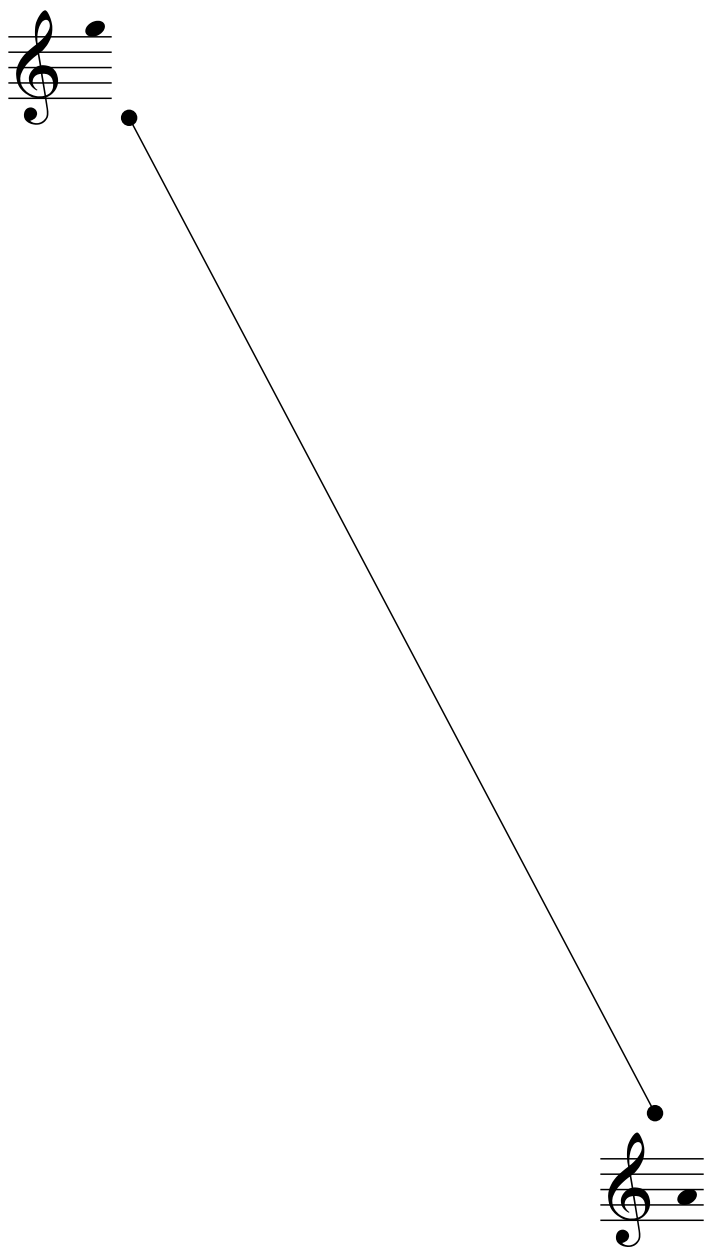
next possible edges:

	7,	10,		18,	21,		28,
31,		37,	40,		45,	48,	52,
55,	58,	61,	64, 65, 	67, 68,	70,	73,	76, 77



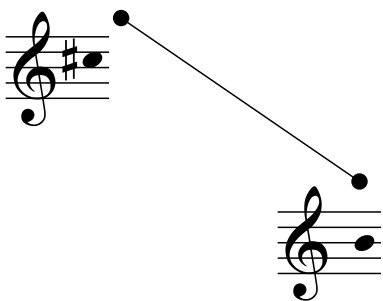
next possible edges:

7,	11,	18,	22,	28,
32,	37,	41,	45,	49,
56,	58,	62,	64, 65, 66,	68
			71,	74,
				76,
				78



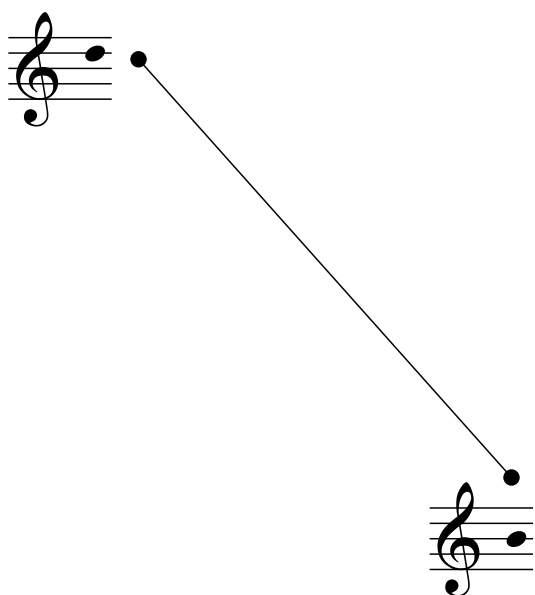
next possible edges:

7,	12,	18,	23,	28,	
33,	37,	42,	45,	50,	52,
57, 58,	63, 64, 65, 66, 67,	■	72,	75,	77, 78



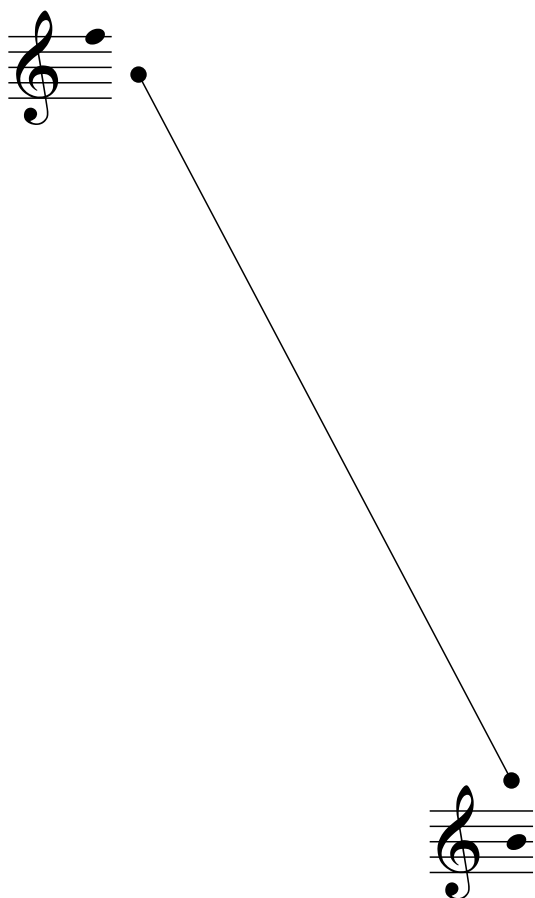
next possible edges:

	8, 9,		19, 20,	
29, 30,		38, 39,	46, 47,	53,
54,	59, 60,	64, 65,	70, 71, 72, 73, 74, 75	



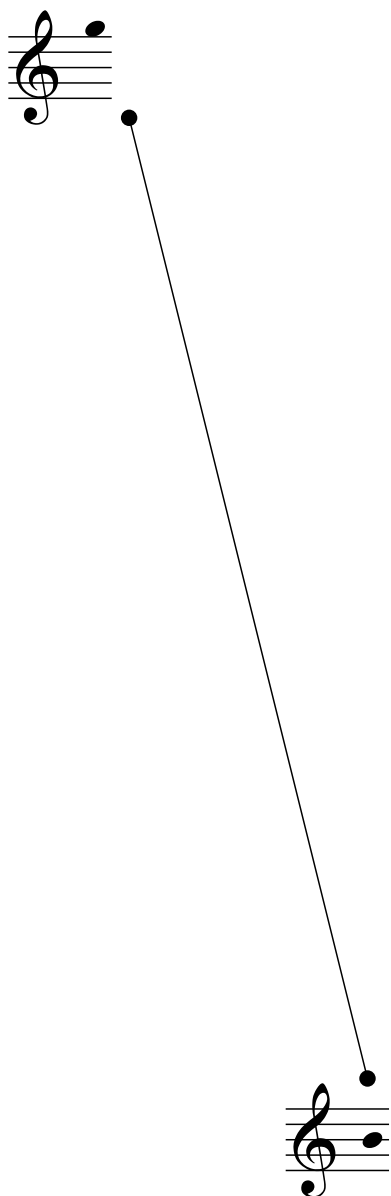
next possible edges:

29,	31,	8,	10,	19,	21,		
					46,	48,	53,
55,	59,	61,	38,	40,	69,	71, 72, 73,	76, 77
			64,	66,			



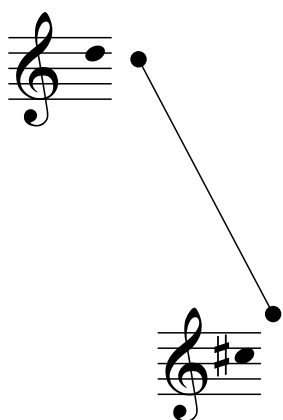
next possible edges:

29, 32, 8, 11, 38, 41, 19, 22, 46, 49, 53,
56, 59, 62, 64, 67, 69, 70, 72, 74, 76, 78



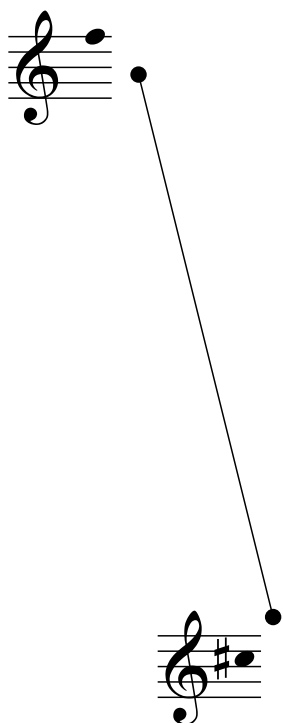
next possible edges:

29,	8,	12,	19,	23,	50,	53,
33,	38,	42,	46,	75,	77,	78
57,	59,	63, 64,	68, 69, 70, 71,	■		



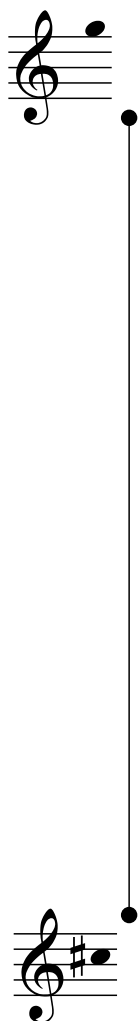
next possible edges:

	9, 10,		20, 21,	
30, 31,		39, 40,	47, 48,	
54, 55,	60, 61,	65, 66,	69, 70,	74, 75, 76, 77



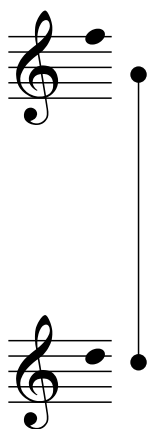
next possible edges:

30, 32, 9, 11, 20, 22,
 54, 56, 60, 62, 39, 41, 47, 49, 75, 76, 78
 65, 67, 69, 71, 73,



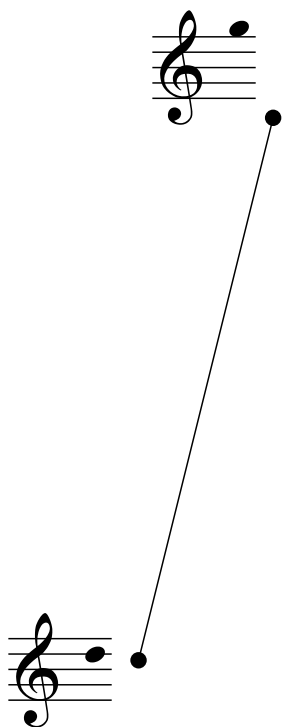
next possible edges:

30, 33, 9, 12, 20, 23, 47, 50, 77, 78
 54, 57, 60, 63, 65, 68, 69, 72, 73, 74, 77, 78



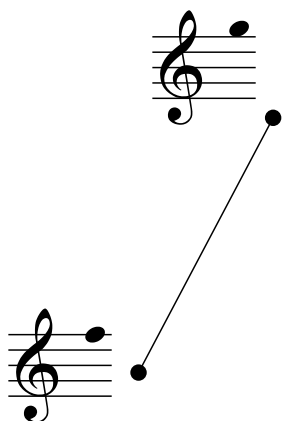
next possible edges:

31, 32,	10, 11,	40, 41,	21, 22,	48, 49,	
55, 56,	61, 62,	66, 67,	70, 71,	73, 74,	■ 77, 78



next possible edges:

		10,	12,		21,	23,	
31,	33,			40,	42,	48,	50,
55,	57,	61,	63,	66,	68,	70,	72, 73,
						75, 76,	78



next possible edges:

32, 33,	11, 12,	41, 42,	22, 23,	49, 50,
56, 57,	62, 63,	67, 68,	71, 72,	74, 75, 76, 77, ████