

Straus Theory Exercises
 Ch. 3: VII (pp. 116-17)

ANSWERS

VII. 1.

	PC Set in Normal Form	w/ T_n	Transpositional Combination (TC)	TC is a member of set class:
a.	[C,D,F]	T_1	(C,D,F,C#,D#,F#)	6-Z3 (012356)
	[C,D,F]	T_2	(C,D,F,E,G)	5-23 (02357)
	[C,D,F]	T_3	(C,D,F,Eb,Ab)	5-25 (02358)
	[C,D,F]	T_4	(C,D,F,E,F#,A)	6-Z46 (012469)
	[C,D,F]	T_5	(C,D,F,G,Bb)	5-35 (02479)
	[C,D,F]	T_6	(C,D,F,F#,G#,B)	6-30 (013679)
	[C,D,F]	T_7	(C,D,F,G,A)	5-35 (02479)
	[C,D,F]	T_8	(C,D,F,Ab,Bb,Db)	6-z39 (023458)
	[C,D,F]	T_9	(C,D,F,A,B)	6-z36 (012347)
	[C,D,F]	T_{10}	(C,D,F,Bb,Eb)	5-23 (02357)
	[C,D,F]	T_{11}	(C,D,F,B,C#,Bb)	6-Z36 (012347)

	PC Set in Normal Form	w/ T_n	Transpositional Combination (TC)	TC is a member of set class:
b.	[E,F,G,Ab]	T_1	(E,F,G,Ab,F#,A)	6-1 (012345)
	[E,F,G,Ab]	T_2	(E,F,G,Ab,F#,A,Bb)	7-1 (0123456)
	[E,F,G,Ab]	T_3	(E,F,G,Ab,Bb,B)	6-Z13 (013467)
	[E,F,G,Ab]	T_4	(E,F,G,Ab,A,B,C)	7-Z37 (0134578)
	[E,F,G,Ab]	T_5	(E,F,G,Ab,A,Bb,C,Db)	8-17 (01345689)
	[E,F,G,Ab]	T_6	(E,F,G,Ab,Bb,B,Db,D)	8-28 (0134679a)
	[E,F,G,Ab]	T_7	(E,F,G,Ab,B,C,D,Eb)	8-17 (01345689)
	[E,F,G,Ab]	T_8	(E,F,G,Ab,C,Db,Eb,E,)	8-4 (01234578)
	[E,F,G,Ab]	T_9	(E,F,G,Ab,C#,D,E)	6-Z13 (013467)
	[E,F,G,Ab]	T_{10}	(E,F,G,Ab,D,Eb,Gb)	7-1 (0123456)
	[E,F,G,Ab]	T_{11}	(E,F,G,Ab,Eb,Gb)	6-1 (012345)

	PC Set in Normal Form	w/ T_n	Transpositional Combination (TC)	TC is a member of set class:
c.	[F,A,C]	T_1	(F,A,C,F#,A#,C#)	6-Z19 (013478)
	[F,A,C]	T_2	(F,A,C,G,B,D)	6-33 (023579)
	[F,A,C]	T_3	(F,A,C,Ab,Eb)	5-32 (01469)
	[F,A,C]	T_4	(F,A,C,C#,E)	5-21 (01458)
	[F,A,C]	T_5	(F,A,C,Bb,D)	5-27 (01358)
	[F,A,C]	T_6	(F,A,C,B,D#,F#)	6-30 (013679)
	[F,A,C]	T_7	(F,A,C,E,G)	5-27 (01358)
	[F,A,C]	T_8	(F,A,C,Db,Ab)	5-21 (01458)
	[F,A,C]	T_9	(F,A,C,D,F#)	5-32 (01469)
	[F,A,C]	T_{10}	(F,A,C,Eb,G,Bb)	6-33 (023579)
	[F,A,C]	T_{11}	(F,A,C,E,G#,B)	6-Z19 (013478)

VII. 2.

- a. [B,C,E,G] = [B,E] \cup [G,C]
TC @ T₆
- b. [E,F,G,Ab] = (E,F) \cup (G,Ab)
TC @ T₃
- c. [G,Ab,Bb,Db,D,E] = (G,Ab,Bb) \cup (Db,D,E)
TC @ T₆

where \cup stands for the union of X and Y .