APPENDIX H MINIMUM GREEN TIME CALCULATIONS

Table H-1 - Calculation of Minimum Green Times Existing Intersection Geometrics

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)	
Palm Avenu	e/Fifth Street				
North Leg	82	5	4	26	
South Leg	82	5	4	26	
East Leg	82	5	4	26	
West Leg	82	5	4	26	
	orthbound/Soutl			26 26	
	astround, Wests			20	
2 Palm Avenu	e/Third Street				
North Leg	80	5	4	25	
South Leg	80	5	4	25	
East Leg	48	5	4	17	
	90	5	4	25	
West Leg	Minimum Northbound/Southbound: Minimum Eastbound/Westbound:				
Minimum N		hbound		25 25	
Minimum N Minimum E	orthbound/Soutl	hbound			
Minimum N Minimum E 5 Church Ave	orthbound/Soutl astbound/Westb	hbound	4		
Minimum N Minimum E	orthbound/Soutl astbound/Westb nue/Fifth Street	hbound: ound:	4 n/a	25	
Minimum N Minimum E 5 Church Ave	orthbound/Soutl astbound/Westb nue/Fifth Street	hbound: ound:		25	
Minimum N Minimum E 5 Church Ave North Leg South Leg	orthbound/Soutl astbound/Westb nue/Fifth Street 46 n/a	hbound: ound: 5 n/a	n/a	25 17 n/a	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg	orthbound/Soutl astbound/Westb nue/Fifth Street 46 n/a n/a	5 n/a n/a 5	n/a n/a	17 n/a 10	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N	orthbound/Soutl astbound/Westbound/Fifth Street 46 n/a n/a 90	hbound: 5 n/a n/a 5 hbound:	n/a n/a	17 n/a 10 28	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/Soutl astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutl	hbound: 5 n/a n/a 5 hbound: 5	n/a n/a	17 n/a 10 28 28	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/South astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/South astbound/Westbound/Westbound/Westbound/Westbound	hbound: 5 n/a n/a 5 hbound: 5 th Street	n/a n/a 4	17 n/a 10 28 28 17	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/South astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/South astbound/Westbound/Westbound/Westbound/Ramps/Fif	hbound: 5 n/a n/a 5 hbound: cth Street n/a	n/a n/a	25 17 n/a 10 28 28 17	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E 7 SR-30 South North Leg South Leg	orthbound/South astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/South astbound/Westbound/Westbound Ramps/Fif	hbound: 5 n/a n/a 5 hbound: ound: th Street n/a 5	n/a n/a 4 n/a 4	25 17 n/a 10 28 28 17	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/South astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/South astbound/Westbound/Westbound/Westbound/Ramps/Fif	hbound: 5 n/a n/a 5 hbound: cth Street n/a	n/a n/a 4	25 17 n/a 10 28 28 17	
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E 7 SR-30 South North Leg South Leg East Leg West Leg	orthbound/South astbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/South astbound/Westbound/Westbound/Westbound/	hbound: 5 n/a n/a 5 hbound: cht Street n/a 5 n/a n/a	n/a n/a 4 n/a 4 n/a	25 17 n/a 10 28 28 17 n/a 10	

Table H-1 - Calculation of Minimum Green Times Existing Intersection Geometrics

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	52	5	4	18
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
Minimum No	orthbound/Soutl	hbound		10
Minimum Ea	stbound/Westb	ound:		18
Boulder Aver	nue/Fifth Street			
North Leg	90	5	4	28
South Leg	90	5	4	28
East Leg	90	5	4	28
West Leg	90	5	4	28
Minimum No	orthbound/Soutl	hbound		28
Minimum Ea	stbound/Westb	ound:		28

Table H-2 - Calculation of Minimum Green Times Year 2008 Mitigated -- Land Use Alternative 2, Access Alternative C

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
Palm Avenue	/Fifth Street			
North Leg	82	5	4	26
South Leg	94	5	4	29
East Leg	82	5	4	26
West Leg	82	5	4	26
	orthbound/Soutl astbound/Westb			26 29
2 Palm Avenue	/Third Street			
North Leg	80	5	4	25
South Leg	80	5	4	25
East Leg	48	5	4	17
West Leg	80	5	4	25
	orthbound/Soutl astbound/Westb			25 25
Minimum Ea				
Minimum Ea	stbound/Westb		4	
Minimum Ea	astbound/Westbound/Fifth Street	ound:	4 4	25
Minimum Ea 5 Church Aver North Leg	nue/Fifth Street	ound:	-	25 17
Minimum Ea 5 Church Aver North Leg South Leg	nue/Fifth Street 46 46	5 5	4	25 17 17
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No	nue/Fifth Street 46 46 n/a	5 5 n/a 5 hbound:	4 n/a	17 17 10
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	nue/Fifth Street 46 46 n/a 90 orthbound/Soutl	5 5 n/a 5 hbound:	4 n/a	17 17 10 28 28
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	aue/Fifth Street 46 46 n/a 90 orthbound/Southstbound/Westbound/W	5 5 n/a 5 hbound:	4 n/a	17 17 10 28 28 17
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea 7 SR-30 Southor	ue/Fifth Street 46 46 n/a 90 orthbound/Southstbound/Westbound/Westbound/Westbound	5 5 n/a 5 hbound: ound:	4 n/a 4	17 17 10 28 28
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	ue/Fifth Street 46 46 n/a 90 orthbound/South stbound/Westbound/Westbound	5 5 n/a 5 hbound: ound:	n/a 4	25 17 17 10 28 28 17
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea 7 SR-30 South North Leg South Leg	aue/Fifth Street 46 46 n/a 90 orthbound/Southstbound/Westbound Ramps/Fif n/a 30	5 5 n/a 5 hbound: ound: Th Street n/a 5	n/a 4	25 17 17 10 28 28 17
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea 7 SR-30 South North Leg South Leg East Leg West Leg West Leg	nue/Fifth Street 46 46 n/a 90 orthbound/Southstbound/Westbound Ramps/Fif n/a 30 n/a	5 5 n/a 5 hbound: ound: th Street n/a 5 n/a n/a	n/a 4 n/a 4 n/a	25 17 17 10 28 28 17

Table H-2 - Calculation of Minimum Green Times Year 2008 Mitigated -- Land Use Alternative 2, Access Alternative C

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
3 SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	52	5	4	18
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
Willing Ea	astbound/Westb	ouna:		18
) Boulder Ave	nue/Fifth Street			
			4	28
North Leg	90	5	4 4	28 28
			·	28 28 28
North Leg South Leg	90 90	5 5	4	28
North Leg South Leg East Leg West Leg	90 90 90	5 5 5 5	4 4	28 28

Table H-3 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative A

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
Palm Aven	ue/Fifth Street			
North Leg	94	5	4	29
South Leg	106	5	4	32
East Leg	94	5	4	29
West Leg	94	5	4	29
Minimum I	29			
Minimum I	Eastbound/Westb	ound:		32
2 Palm Aven	ue/Third Street			
North Leg	104	5	4	31
South Leg	104	5	4	31
East Leg	48	5	4	17
West Leg	92	5	4	28
	Northbound/Soutl Eastbound/Westb			28 31
5 Church Ave North Leg South Leg East Leg West Leg	46 n/a n/a 90	5 n/a n/a 5	4 n/a n/a 4	17 n/a 10 28
Minimum I	Northbound/Soutl Eastbound/Westb	hbound:	7	28 17
7 SR-30 Sout	bound Ramps/Fif	th Street		
North Leg	n/a	n/a	n/a	n/a
South Leg	30	5	4	13
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
	Northbound/Soutl Eastbound/Westb			10 13

Table H-3 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative A

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
3 SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	64	5	4	21
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
	orthbound/Soutl stbound/Westb			10 21
Minimum Ea		ound:		
Minimum Ea	stbound/Westb nue/Fifth Street	ound:		21
Minimum Ea Boulder Aver North Leg	nue/Fifth Street	ound:	4	31
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea D Boulder Aver North Leg South Leg East Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea P Boulder Aven North Leg South Leg East Leg West Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28

Table H-4 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative B

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)	
1 Palm Aver	nue/Fifth Street				
North Leg	82	5	4	26	
South Leg	82	5	4	26	
East Leg	94	5	4	29	
West Leg	94	5	4	29	
Minimum	Northbound/Soutl	hbound:		29	
Minimum	Eastbound/Westb	ound:		26	
2 Palm Aver	nue/Third Street				
North Leg	80	5	4	25	
South Leg	92	5	4	28	
East Leg	48	5	4	17	
West Leg	80	5	4	25	
	Northbound/Soutl			25 28	
North Leg South Leg East Leg West Leg	46 46 46 n/a 90	5 5 n/a 5	4 4 n/a 4	17 17 10 28	
Minimum	Minimum Northbound/Southbound: Minimum Eastbound/Westbound:				
7 SR-30 Sou	tbound Ramps/Fif	th Street			
North Leg	n/a	n/a	n/a	n/a	
South Leg	30	5	4	13	
East Leg	n/a	n/a	n/a	10	
West Leg	n/a	n/a	n/a	10	
	Northbound/South Eastbound/Westbo			10 13	

Table H-4 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative B

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
3 SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	64	5	4	21
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
	orthbound/Soutl stbound/Westb			10 21
Minimum Ea		ound:		
Minimum Ea	stbound/Westb nue/Fifth Street	ound:		21
Minimum Ea Boulder Aver North Leg	nue/Fifth Street	ound:	4	31
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea D Boulder Aver North Leg South Leg East Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea P Boulder Aven North Leg South Leg East Leg West Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28

Table H-5 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 2, Access Alternative C

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
Palm Avenue	/Fifth Street			
North Leg	94	5	4	29
South Leg	94	5	4	29
East Leg	94	5	4	29
West Leg	94	5	4	29
	orthbound/Soutl astbound/Westb			29 29
2 Palm Avenue	e/Third Street			
North Leg	92	5	4	28
South Leg	92	5	4	28
East Leg	48	5	4	17
West Leg	92	5	4	28
	orthbound/Soutl astbound/Westb			28 28
Minimum Ea				
Minimum Ea	stbound/Westb		4	
Minimum Ea	stbound/Westbound/Fifth Street	ound:	4 n/a	28
Minimum Ea Church Aver North Leg	nue/Fifth Street	ound:	-	28 17
Minimum Ea Church Aver North Leg South Leg	nue/Fifth Street 46 n/a	5 n/a	n/a	28 17 n/a
Minimum Ea 5 Church Aver North Leg South Leg East Leg West Leg Minimum No	nue/Fifth Street 46 n/a n/a 90 orthbound/Soutl	5 n/a n/a 5	n/a n/a	17 n/a 10
Minimum Ea Church Aver North Leg South Leg East Leg West Leg Minimum No	nue/Fifth Street 46 n/a n/a 90	5 n/a n/a 5	n/a n/a	17 n/a 10 28
Minimum Ea S Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	nue/Fifth Street 46 n/a n/a 90 orthbound/Soutl	5 n/a n/a 5 hbound:	n/a n/a	17 n/a 10 28 28
Minimum Ea Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	nue/Fifth Street 46 n/a n/a 90 orthbound/Southstbound/Westb	5 n/a n/a 5 hbound:	n/a n/a	17 n/a 10 28 28
Minimum Ea 6 Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	nue/Fifth Street 46 n/a n/a 90 orthbound/South stbound/Westbound/Westbound	5 n/a n/a 5 hbound: ound:	n/a n/a 4	17 n/a 10 28 28 17
Minimum Ea Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea	nue/Fifth Street 46 n/a n/a 90 orthbound/South stbound/Westbound/Westbound/Westbound/Westbound/Ramps/Fif	5 n/a n/a 5 hbound: ound:	n/a n/a 4	28 17 n/a 10 28 28 17
Minimum Ea S Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea V SR-30 South North Leg South Leg	nue/Fifth Street 46 n/a n/a 90 orthbound/Southstbound/Westbound Ramps/Fif n/a 30	5 n/a n/a 5 hbound: ound: Th Street	n/a n/a 4 n/a 4	28 17 n/a 10 28 28 17
Minimum Ea S Church Aver North Leg South Leg East Leg West Leg Minimum No Minimum Ea SR-30 South North Leg South Leg East Leg West Leg	nue/Fifth Street 46 n/a n/a 90 orthbound/Southstbound/Westbound Ramps/Fif n/a 30 n/a	5 n/a n/a 5 hbound: th Street n/a 5 n/a n/a	n/a n/a 4 n/a 4 n/a	28 17 n/a 10 28 28 17 n/a 11 10 10 11 11 11 11 11 11 11 11 11 11

Table H-5 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 2, Access Alternative C

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
3 SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	64	5	4	21
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
	orthbound/Soutl stbound/Westb			10 21
Minimum Ea		ound:		
Minimum Ea	stbound/Westb nue/Fifth Street	ound:		21
Minimum Ea Boulder Aver North Leg	nue/Fifth Street	ound:	4	31
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea D Boulder Aver North Leg South Leg East Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28
Minimum Ea D Boulder Aver North Leg South Leg	nue/Fifth Street	5 5	4	31 31
Minimum Ea P Boulder Aven North Leg South Leg East Leg West Leg	nue/Fifth Street 102 102 90	5 5 5 5	4	31 31 28

Table H-6 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative A

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
Palm Avenu	e/Fifth Street			
North Leg	82	5	4	26
South Leg	82	5	4	26
East Leg	94	5	4	29
West Leg	94	5	4	29
Minimum N	29			
Minimum E	astbound/Westb	ound:		26
2 Palm Avenu	e/Third Street			
North Leg	80	5	4	25
South Leg	92	5	4	28
East Leg	48	5	4	17
	00	5	4	25
West Leg	80	3		
Minimum N	orthbound/Soutl	hbound:		25
Minimum N		hbound:		25 28
Minimum N Minimum E	orthbound/Soutl	hbound:		
Minimum N Minimum E	orthbound/Soutl astbound/Westb	hbound:	4	
Minimum N Minimum E	orthbound/Soutlastbound/Westbound/Westbound/Fifth Street	hbound: ound:	4 n/a	28
Minimum N Minimum E 5 Church Ave	orthbound/Soutlastbound/Westbound/Fifth Street	hbound: ound:	-	28
Minimum N Minimum E 5 Church Ave North Leg South Leg	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a	hbound: ound: 5 n/a	n/a	28 17 n/a
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg	orthbound/Soutlastbound/Westbound/Westbound/Fifth Street 46 n/a n/a	5 n/a n/a 5	n/a n/a	17 n/a 10
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N	orthbound/Soutlastbound/Westbound/Westbound/Fifth Street 46 n/a n/a 90	hbound: 5 n/a n/a 5 hbound:	n/a n/a	17 n/a 10 28
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutl	hbound: 5 n/a n/a 5 hbound: 5	n/a n/a	17 n/a 10 28 28
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutlastbound/Westbound/Westbound/	hbound: 5 n/a n/a 5 hbound: 5	n/a n/a	17 n/a 10 28 28
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutlastbound/Westbound/Westbound/Westbound/Ramps/Fif	hbound: 5 n/a n/a 5 hbound: ound: cth Street	n/a n/a 4	17 n/a 10 28 28 17
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E 7 SR-30 South North Leg South Leg	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutlastbound/Westbound/Westbound/Westbound/Ramps/Fif	hbound: 5 n/a n/a 5 hbound: cth Street n/a	n/a n/a 4	28 17 n/a 10 28 28 17
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 forthbound/Soutlastbound/Westbound/Westbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Soutlastbound/Westbound/Soutlastbou	hbound: 5 n/a n/a 5 hbound: cth Street n/a 5	n/a n/a 4 n/a 4	28 17 n/a 10 28 28 17
Minimum N Minimum E 5 Church Ave North Leg South Leg East Leg West Leg Minimum N Minimum E 7 SR-30 South North Leg South Leg East Leg West Leg	orthbound/Soutlastbound/Westbound/Fifth Street 46 n/a n/a 90 orthbound/Soutlastbound/Westbound/Westbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/Westbound/Soutlastbound/S	hbound: 5 n/a n/a 5 hbound: ound: th Street n/a 5 n/a n/a	n/a n/a 4 n/a 4 n/a	28 17 n/a 10 28 28 17 n/a 11 10

Table H-6 - Calculation of Minimum Green Times Year 2030 Mitigated -- Land Use Alternative 1, Access Alternative A

	Street Width (ft)	Assumed # Peds/Cycle	Walk Speed (ft/s)	Minimum Green (sec)
8 SR-30 North	bound Ramps/F	ifth Street		
North Leg	n/a	n/a	n/a	n
South Leg	64	5	4	21
East Leg	n/a	n/a	n/a	10
West Leg	n/a	n/a	n/a	10
William La	astbound/Westb	ounu.		21
9 Boulder Ave	nue/Fifth Street			
			Δ	31
North Leg	102	5	4 4	31 31
			·	31 31 28
North Leg South Leg	102 102	5 5	4	31
North Leg South Leg East Leg West Leg	102 102 90	5 5 5 5	4 4	31 28