

# Heaven and Earth Designs

## Bottom and Titania

(Large Format)

Chart No: HAEJMA 101

By Michele Sayetta

Artwork by Judy Mastrangelo



Finished Design Size 400 W by 535 H (16-W X 21-1/4 H inches on 25ct)

Heaven and Earth Designs

425 9th Street SW

Willmar MN 56201

320-214-7998

[www.heavenandearthdesigns.com](http://www.heavenandearthdesigns.com)

Copyright Heaven and Earth Designs 2006

Copyright Judy Mastrangelo 2006

## Instructions

The model for Bottom and Titania is stitched over 1 on 25 count Dublin Linen. Please use 1 strand of floss or 2 depending on your coverage preference.

It is recommended that you make working copies and enlarge to view detail and symbols.

You may also use the tent stitch or full crosses depending on your preference.

This is a large project that will offer many hours of stitching pleasure.

We thank you for purchasing this design and welcome any questions or comments that you may have.

Heaven and Earth Designs  
Copyright Judy Mastrangelo 2006

**Pattern Name:** Bottom and Titania-Mastrangelo

**Designed By:** Michele Sayetta

**Company:** Heaven and Earth Designs

































**Copyright:** 2006











































**Fabric:** Linen or Evenweave 25, White





















400w X 534h Stitches

**Size:** 25 Count, 16w X 21-1/4h in

### Floss Used for Full Stitches:

Symbol	Strands	Type	Number	Color
 :	2	DMC	152	Shell Pink-MD LT
 †	2	DMC	154	Grape-VY DK
 @	2	DMC	155	Blue Violet-MD DK
 X	2	DMC	158	Cornflower Blue-MD VY DK
 X	2	DMC	159	Gray Blue-LT
 †	2	DMC	160	Gray Blue-MD
 Z	2	DMC	161	Gray Blue
 5	2	DMC	168	Pewter-VY LT
 6	2	DMC	169	Pewter-LT
 4	2	DMC	310	Black
 ●	2	DMC	311	Navy Blue-MD
 ∞	2	DMC	315	Antique Mauve-VY DK
 >	2	DMC	316	Antique Mauve-MD
 1	2	DMC	317	Pewter Gray
 0	2	DMC	318	Steel Gray-LT
 □	2	DMC	356	Terra Cotta-MD
 //	2	DMC	368	Pistachio Green-LT
 ^	2	DMC	370	Mustard-MD
 2	2	DMC	413	Pewter Gray-DK
 o	2	DMC	436	Tan
 .	2	DMC	451	Shell Gray-DK
 v	2	DMC	471	Avocado Green-VY LT
 ..	2	DMC	500	Blue Green-VY DK
 ➔	2	DMC	520	Fern Green-DK
 ■	2	DMC	524	Fern Green-VY LT
 H	2	DMC	550	Violet-VY DK
 ⊕	2	DMC	554	Violet-LT
 a	2	DMC	612	Drab Brown-LT
 0	2	DMC	613	Drab Brown-VY LT
 ♥	2	DMC	644	Beige Gray-MD
 ◆	2	DMC	676	Old Gold-LT
 n	2	DMC	739	Tan-UL VY LT

Symbol	Strands	Type	Number	Color
	▲	2	DMC 758	Terra Cotta-VYLT
	<	2	DMC 778	Antique Mauve-VYLT
	m	2	DMC 779	Cocoa-DK
	L	2	DMC 791	Cornflower Blue-VYDK
	III	2	DMC 799	Delft Blue-MD
	8	2	DMC 815	Garnet-MD
	∞	2	DMC 819	Baby Pink-LT
	≡	2	DMC 820	Royal Blue-VYDK
	✦	2	DMC 823	Navy Blue-DK
	+	2	DMC 833	Golden Olive-LT
	S	2	DMC 840	Beige Brown-MD
	♥	2	DMC 890	Pistachio Green-ULDK
	✕	2	DMC 895	Hunter Green-VYDK
	↓	2	DMC 902	Garnet-VYDK
	⊠	2	DMC 915	Plum-DK
	◼	2	DMC 924	Gray Green--VYDK
	■	2	DMC 930	Antique Blue-DK
	◊	2	DMC 931	Antique Blue-MD
	↑	2	DMC 935	Avocado Green-DK
	%	2	DMC 939	Navy Blue-VYDK
	☞	2	DMC 950	Desert Sand-LT
	▼	2	DMC 975	Golden Brown-DK
	+	2	DMC 3024	Brown Gray-VYLT
	u	2	DMC 3031	Mocha Brown-VYDK
	-	2	DMC 3033	Mocha Brown-VYLT
	♦♦	2	DMC 3042	Antique Violet-LT
	/	2	DMC 3072	Beaver Gray-VYLT
	9	2	DMC 3350	Dusty Rose-ULDK
	←	2	DMC 3363	Pine Green-MD
	↓	2	DMC 3364	Pine Green
	*	2	DMC 3371	Black Brown
	≡	2	DMC 3608	Plum-VYLT
	7	2	DMC 3713	Salmon-VYLT
	·	2	DMC 3721	Shell Pink-DK
	✕	2	DMC 3726	Antique Mauve-DK
	=	2	DMC 3727	Antique Mauve-LT
	#	2	DMC 3747	Blue Violet-VYLT
	T	2	DMC 3750	Antique Blue-VYDK
	⊙	2	DMC 3752	Antique Blue-VYLT
	\$	2	DMC 3756	Baby Blue-UL VYLT
	I	2	DMC 3772	Desert Sand-VYDK
	△	2	DMC 3781	Mocha Brown-DK

Symbol	Strands	Type	Number	Color
	↑	2	DMC 3787	Brown Gray-DK
	3	2	DMC 3799	Pewter Gray-VYDK
	c	2	DMC 3829	Old Gold-VYDK
		2	DMC 3834	Grape-DK
	√	2	DMC 3835	Grape-MD
	◇	2	DMC 3836	Grape-LT
	e	2	DMC 3855	Autumn Gold-LT
		2	DMC 3856	Mahogany-ULVYLT
		2	DMC 3857	Rosewood-DK
	•	2	DMC 3858	Rosewood-MD
	)	2	DMC 3860	Cocoa
	(	2	DMC 3861	Cocoa-LT
	⊥	2	DMC 3862	Mocha Beige-DK
		2	DMC 3863	Mocha Beige-MD
	▲	2	DMC 3864	Mocha Beige-LT
	v	2	DMC Ecrú	Ecrú

	10	20	30	40	50	60
10	...	...	...	...	...	...
20	...	...	...	...	...	...
30	...	...	...	...	...	...
40	...	...	...	...	...	...
50	...	...	...	...	...	...
60	...	...	...	...	...	...
70	...	...	...	...	...	...
80	...	...	...	...	...	...

	70	80	90	100	110	120
10	...	...	...	...	...	...
20	...	...	...	...	...	...
30	...	...	...	...	...	...
40	...	...	...	...	...	...
50	...	...	...	...	...	...
60	...	...	...	...	...	...
70	...	...	...	...	...	...
80	...	...	...	...	...	...

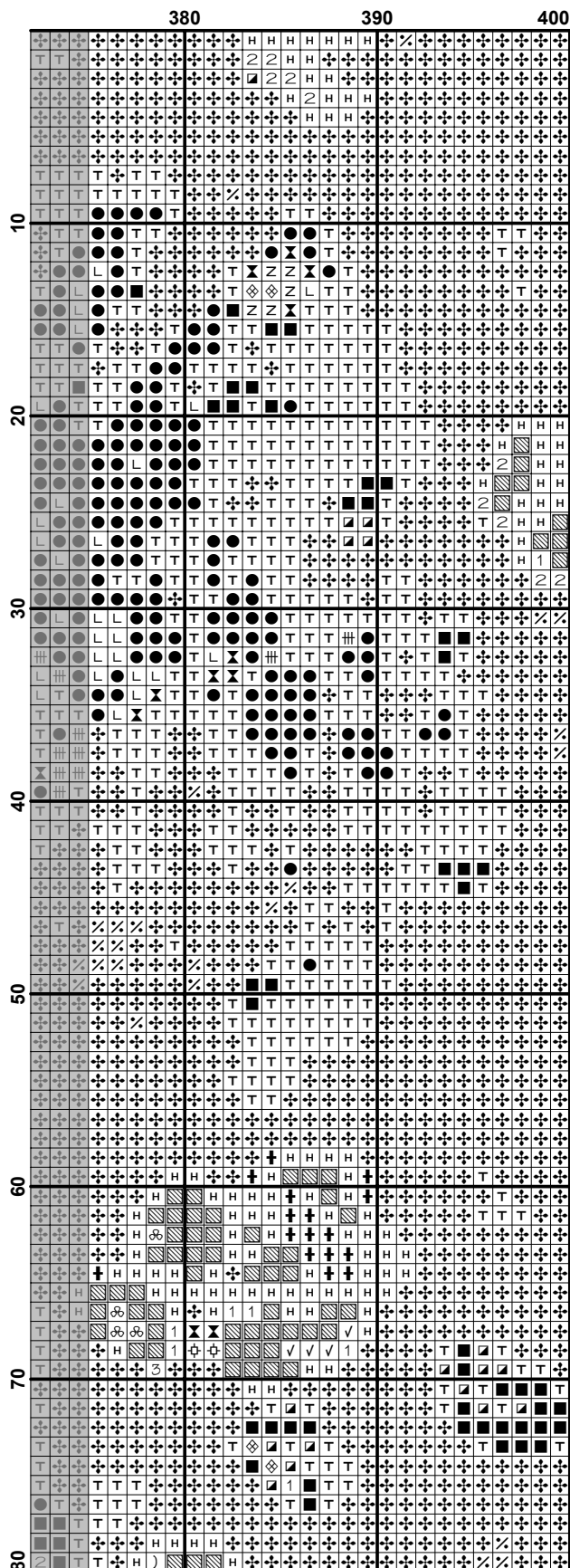
	130	140	150	160	170	180
10	...	...	...	...	...	...
20	...	...	...	...	...	...
30	...	...	...	...	...	...
40	...	...	...	...	...	...
50	...	...	...	...	...	...
60	...	...	...	...	...	...
70	...	...	...	...	...	...
80	...	...	...	...	...	...



	190	200	210	220	230	240	250
10	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...
70	...	...	...	...	...	...	...
80	...	...	...	...	...	...	...

	250	260	270	280	290	300	310
10	Z	X	Z	Z	Z	Z	Z
20	Z	X	Z	Z	Z	Z	Z
30	Z	X	Z	Z	Z	Z	Z
40	Z	X	Z	Z	Z	Z	Z
50	Z	X	Z	Z	Z	Z	Z
60	Z	X	Z	Z	Z	Z	Z
70	Z	X	Z	Z	Z	Z	Z
80	Z	X	Z	Z	Z	Z	Z
90	Z	X	Z	Z	Z	Z	Z
100	Z	X	Z	Z	Z	Z	Z
110	Z	X	Z	Z	Z	Z	Z
120	Z	X	Z	Z	Z	Z	Z
130	Z	X	Z	Z	Z	Z	Z
140	Z	X	Z	Z	Z	Z	Z
150	Z	X	Z	Z	Z	Z	Z
160	Z	X	Z	Z	Z	Z	Z
170	Z	X	Z	Z	Z	Z	Z
180	Z	X	Z	Z	Z	Z	Z
190	Z	X	Z	Z	Z	Z	Z
200	Z	X	Z	Z	Z	Z	Z
210	Z	X	Z	Z	Z	Z	Z
220	Z	X	Z	Z	Z	Z	Z
230	Z	X	Z	Z	Z	Z	Z
240	Z	X	Z	Z	Z	Z	Z
250	Z	X	Z	Z	Z	Z	Z
260	Z	X	Z	Z	Z	Z	Z
270	Z	X	Z	Z	Z	Z	Z
280	Z	X	Z	Z	Z	Z	Z
290	Z	X	Z	Z	Z	Z	Z
300	Z	X	Z	Z	Z	Z	Z
310	Z	X	Z	Z	Z	Z	Z
320	Z	X	Z	Z	Z	Z	Z
330	Z	X	Z	Z	Z	Z	Z
340	Z	X	Z	Z	Z	Z	Z
350	Z	X	Z	Z	Z	Z	Z
360	Z	X	Z	Z	Z	Z	Z
370	Z	X	Z	Z	Z	Z	Z
380	Z	X	Z	Z	Z	Z	Z
390	Z	X	Z	Z	Z	Z	Z
400	Z	X	Z	Z	Z	Z	Z
410	Z	X	Z	Z	Z	Z	Z
420	Z	X	Z	Z	Z	Z	Z
430	Z	X	Z	Z	Z	Z	Z
440	Z	X	Z	Z	Z	Z	Z
450	Z	X	Z	Z	Z	Z	Z
460	Z	X	Z	Z	Z	Z	Z
470	Z	X	Z	Z	Z	Z	Z
480	Z	X	Z	Z	Z	Z	Z
490	Z	X	Z	Z	Z	Z	Z
500	Z	X	Z	Z	Z	Z	Z
510	Z	X	Z	Z	Z	Z	Z
520	Z	X	Z	Z	Z	Z	Z
530	Z	X	Z	Z	Z	Z	Z
540	Z	X	Z	Z	Z	Z	Z
550	Z	X	Z	Z	Z	Z	Z
560	Z	X	Z	Z	Z	Z	Z
570	Z	X	Z	Z	Z	Z	Z
580	Z	X	Z	Z	Z	Z	Z
590	Z	X	Z	Z	Z	Z	Z
600	Z	X	Z	Z	Z	Z	Z
610	Z	X	Z	Z	Z	Z	Z
620	Z	X	Z	Z	Z	Z	Z
630	Z	X	Z	Z	Z	Z	Z
640	Z	X	Z	Z	Z	Z	Z
650	Z	X	Z	Z	Z	Z	Z
660	Z	X	Z	Z	Z	Z	Z
670	Z	X	Z	Z	Z	Z	Z
680	Z	X	Z	Z	Z	Z	Z
690	Z	X	Z	Z	Z	Z	Z
700	Z	X	Z	Z	Z	Z	Z
710	Z	X	Z	Z	Z	Z	Z
720	Z	X	Z	Z	Z	Z	Z
730	Z	X	Z	Z	Z	Z	Z
740	Z	X	Z	Z	Z	Z	Z
750	Z	X	Z	Z	Z	Z	Z
760	Z	X	Z	Z	Z	Z	Z
770	Z	X	Z	Z	Z	Z	Z
780	Z	X	Z	Z	Z	Z	Z
790	Z	X	Z	Z	Z	Z	Z
800	Z	X	Z	Z	Z	Z	Z
810	Z	X	Z	Z	Z	Z	Z
820	Z	X	Z	Z	Z	Z	Z
830	Z	X	Z	Z	Z	Z	Z
840	Z	X	Z	Z	Z	Z	Z
850	Z	X	Z	Z	Z	Z	Z
860	Z	X	Z	Z	Z	Z	Z
870	Z	X	Z	Z	Z	Z	Z
880	Z	X	Z	Z	Z	Z	Z
890	Z	X	Z	Z	Z	Z	Z
900	Z	X	Z	Z	Z	Z	Z
910	Z	X	Z	Z	Z	Z	Z
920	Z	X	Z	Z	Z	Z	Z
930	Z	X	Z	Z	Z	Z	Z
940	Z	X	Z	Z	Z	Z	Z
950	Z	X	Z	Z	Z	Z	Z
960	Z	X	Z	Z	Z	Z	Z
970	Z	X	Z	Z	Z	Z	Z
980	Z	X	Z	Z	Z	Z	Z
990	Z	X	Z	Z	Z	Z	Z
1000	Z	X	Z	Z	Z	Z	Z

	310	320	330	340	350	360	370
10	T	T	T	T	T	T	T
20	T	T	T	T	T	T	T
30	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T
50	T	T	T	T	T	T	T
60	T	T	T	T	T	T	T
70	T	T	T	T	T	T	T
80	T	T	T	T	T	T	T
90	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T
110	T	T	T	T	T	T	T
120	T	T	T	T	T	T	T
130	T	T	T	T	T	T	T
140	T	T	T	T	T	T	T
150	T	T	T	T	T	T	T
160	T	T	T	T	T	T	T
170	T	T	T	T	T	T	T
180	T	T	T	T	T	T	T
190	T	T	T	T	T	T	T
200	T	T	T	T	T	T	T
210	T	T	T	T	T	T	T
220	T	T	T	T	T	T	T
230	T	T	T	T	T	T	T
240	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T
260	T	T	T	T	T	T	T
270	T	T	T	T	T	T	T
280	T	T	T	T	T	T	T
290	T	T	T	T	T	T	T
300	T	T	T	T	T	T	T
310	T	T	T	T	T	T	T
320	T	T	T	T	T	T	T
330	T	T	T	T	T	T	T
340	T	T	T	T	T	T	T
350	T	T	T	T	T	T	T
360	T	T	T	T	T	T	T
370	T	T	T	T	T	T	T
380	T	T	T	T	T	T	T
390	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T
410	T	T	T	T	T	T	T
420	T	T	T	T	T	T	T
430	T	T	T	T	T	T	T
440	T	T	T	T	T	T	T
450	T	T	T	T	T	T	T
460	T	T	T	T	T	T	T
470	T	T	T	T	T	T	T
480	T	T	T	T	T	T	T
490	T	T	T	T	T	T	T
500	T	T	T	T	T	T	T
510	T	T	T	T	T	T	T
520	T	T	T	T	T	T	T
530	T	T	T	T	T	T	T
540	T	T	T	T	T	T	T
550	T	T	T	T	T	T	T
560	T	T	T	T	T	T	T
570	T	T	T	T	T	T	T
580	T	T	T	T	T	T	T
590	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T
610	T	T	T	T	T	T	T
620	T	T	T	T	T	T	T
630	T	T	T	T	T	T	T
640	T	T	T	T	T	T	T
650	T	T	T	T	T	T	T
660	T	T	T	T	T	T	T
670	T	T	T	T	T	T	T
680	T	T	T	T	T	T	T
690	T	T	T	T	T	T	T
700	T	T	T	T	T	T	T
710	T	T	T	T	T	T	T
720	T	T	T	T	T	T	T
730	T	T	T	T	T	T	T
740	T	T	T	T	T	T	T
750	T	T	T	T	T	T	T
760	T	T	T	T	T	T	T
770	T	T	T	T	T	T	T
780	T	T	T	T	T	T	T
790	T	T	T	T	T	T	T
800	T	T	T	T	T	T	T
810	T	T	T	T	T	T	T
820	T	T	T	T	T	T	T
830	T	T	T	T	T	T	T
840	T	T	T	T	T	T	T
850	T	T	T	T	T	T	T
860	T	T	T	T	T	T	T
870	T	T	T	T	T	T	T
880	T	T	T	T	T	T	T
890	T	T	T	T	T	T	T
900	T	T	T	T	T	T	T
910	T	T	T	T	T	T	T
920	T	T	T	T	T	T	T
930	T	T	T	T	T	T	T
940	T	T	T	T	T	T	T
950	T	T	T	T	T	T	T
960	T	T	T	T	T	T	T
970	T	T	T	T	T	T	T
980	T	T	T	T	T	T	T
990	T	T	T	T	T	T	T
1000	T	T	T	T	T	T	T



	10	20	30	40	50	60
80	+	+	+	+	+	+
81	+	+	+	+	+	+
82	+	+	+	+	+	+
83	+	+	+	+	+	+
84	+	+	+	+	+	+
85	+	+	+	+	+	+
86	+	+	+	+	+	+
87	+	+	+	+	+	+
88	+	+	+	+	+	+
89	+	+	+	+	+	+
90	+	+	+	+	+	+
91	+	+	+	+	+	+
92	+	+	+	+	+	+
93	+	+	+	+	+	+
94	+	+	+	+	+	+
95	+	+	+	+	+	+
96	+	+	+	+	+	+
97	+	+	+	+	+	+
98	+	+	+	+	+	+
99	+	+	+	+	+	+
100	+	+	+	+	+	+
101	+	+	+	+	+	+
102	+	+	+	+	+	+
103	+	+	+	+	+	+
104	+	+	+	+	+	+
105	+	+	+	+	+	+
106	+	+	+	+	+	+
107	+	+	+	+	+	+
108	+	+	+	+	+	+
109	+	+	+	+	+	+
110	+	+	+	+	+	+
111	+	+	+	+	+	+
112	+	+	+	+	+	+
113	+	+	+	+	+	+
114	+	+	+	+	+	+
115	+	+	+	+	+	+
116	+	+	+	+	+	+
117	+	+	+	+	+	+
118	+	+	+	+	+	+
119	+	+	+	+	+	+
120	+	+	+	+	+	+
121	+	+	+	+	+	+
122	+	+	+	+	+	+
123	+	+	+	+	+	+
124	+	+	+	+	+	+
125	+	+	+	+	+	+
126	+	+	+	+	+	+
127	+	+	+	+	+	+
128	+	+	+	+	+	+
129	+	+	+	+	+	+
130	+	+	+	+	+	+
131	+	+	+	+	+	+
132	+	+	+	+	+	+
133	+	+	+	+	+	+
134	+	+	+	+	+	+
135	+	+	+	+	+	+
136	+	+	+	+	+	+
137	+	+	+	+	+	+
138	+	+	+	+	+	+
139	+	+	+	+	+	+
140	+	+	+	+	+	+
141	+	+	+	+	+	+
142	+	+	+	+	+	+
143	+	+	+	+	+	+
144	+	+	+	+	+	+
145	+	+	+	+	+	+
146	+	+	+	+	+	+
147	+	+	+	+	+	+
148	+	+	+	+	+	+
149	+	+	+	+	+	+
150	+	+	+	+	+	+

	70	80	90	100	110	120
80	...	...	...	...	...	...
90	...	...	...	...	...	...
100	...	...	...	...	...	...
110	...	...	...	...	...	...
120	...	...	...	...	...	...
130	...	...	...	...	...	...
140	...	...	...	...	...	...
150	...	...	...	...	...	...

[illegible]

	190	200	210	220	230	240	250
80	190	200	210	220	230	240	250
90	190	200	210	220	230	240	250
100	190	200	210	220	230	240	250
110	190	200	210	220	230	240	250
120	190	200	210	220	230	240	250
130	190	200	210	220	230	240	250
140	190	200	210	220	230	240	250
150	190	200	210	220	230	240	250



[illegible]

(21)



	10	20	30	40	50	60
160	...	...	...	...	...	...
170	...	...	...	...	...	...
180	...	...	...	...	...	...
190	...	...	...	...	...	...
200	...	...	...	...	...	...
210	...	...	...	...	...	...
220	...	...	...	...	...	...
230	...	...	...	...	...	...

	70	80	90	100	110	120
160	+	+	+	+	+	+
170	+	+	+	+	+	+
180	+	+	+	+	+	+
190	+	+	+	+	+	+
200	+	+	+	+	+	+
210	+	+	+	+	+	+
220	+	+	+	+	+	+
230	+	+	+	+	+	+

	130										140										150										160										170										180									
160																																																												
170																																																												
180																																																												
190																																																												
200																																																												
210																																																												
220																																																												
230																																																												

[illegible]

[illegible]



(28)

[illegible]

	10										20										30										40										50										60									
240																																																												
250																																																												
260																																																												
270																																																												
280																																																												
290																																																												
300																																																												
310																																																												

[illegible]

	130										140										150										160										170										180																																																	
240																																																																																																				
250																																																																																																				
260																																																																																																				
270																																																																																																				
280																																																																																																				
290																																																																																																				
300																																																																																																				
310																																																																																																				

	190	200	210	220	230	240	250
240	...	...	...	...	...	...	...
250	...	...	...	...	...	...	...
260	...	...	...	...	...	...	...
270	...	...	...	...	...	...	...
280	...	...	...	...	...	...	...
290	...	...	...	...	...	...	...
300	...	...	...	...	...	...	...
310	...	...	...	...	...	...	...

[illegible]

[illegible]





	10										20										30										40										50										60									
310																																																												
320																																																												
330																																																												
340																																																												
350																																																												
360																																																												
370																																																												
380																																																												

[illegible]

	130	140	150	160	170	180
310	...	...	...	...	...	...
320	...	...	...	...	...	...
330	...	...	...	...	...	...
340	...	...	...	...	...	...
350	...	...	...	...	...	...
360	...	...	...	...	...	...
370	...	...	...	...	...	...
380	...	...	...	...	...	...

	190	200	210	220	230	240	250
310	...	...	...	...	...	...	...
320	...	...	...	...	...	...	...
330	...	...	...	...	...	...	...
340	...	...	...	...	...	...	...
350	...	...	...	...	...	...	...
360	...	...	...	...	...	...	...
370	...	...	...	...	...	...	...
380	...	...	...	...	...	...	...

	250	260	270	280	290	300	310
310							
320							
330							
340							
350							
360							
370							
380							

[illegible]

	380										390										400										
310	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
320	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥
	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥
	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥
	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥
	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥	♥
330	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
340	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
350	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
	↖	↗	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘	↙	↘
360	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
370	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
380	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4



[illegible]

	70										80										90										100										110										120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
390	+	+	L	L	L	Z	Z	Z	Z	Z	Z	V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

	130	140	150	160	170	180
390	...	...	...	...	...	...
400	...	...	...	...	...	...
410	...	...	...	...	...	...
420	...	...	...	...	...	...
430	...	...	...	...	...	...
440	...	...	...	...	...	...
450	...	...	...	...	...	...
460	...	...	...	...	...	...

	190	200	210	220	230	240	250
390	+	+	+	+	+	+	+
400	+	+	+	+	+	+	+
410	+	+	+	+	+	+	+
420	+	+	+	+	+	+	+
430	+	+	+	+	+	+	+
440	+	+	+	+	+	+	+
450	+	+	+	+	+	+	+
460	+	+	+	+	+	+	+

[illegible]

[illegible]

(49)

[illegible]



[illegible]

[illegible]

	190	200	210	220	230	240	250
470	↑	↑	↑	↑	↑	↑	↑
480	↑	↑	↑	↑	↑	↑	↑
490	↑	↑	↑	↑	↑	↑	↑
500	↑	↑	↑	↑	↑	↑	↑
510	↑	↑	↑	↑	↑	↑	↑
520	↑	↑	↑	↑	↑	↑	↑
530	↑	↑	↑	↑	↑	↑	↑

	250	260	270	280	290	300	310
470							
480							
490							
500							
510							
520							
530							



[illegible]