



*A compilation by noted  
checker writer and analyst*

**Jim Loy**

## Transpositions - Compiled by Jim Loy

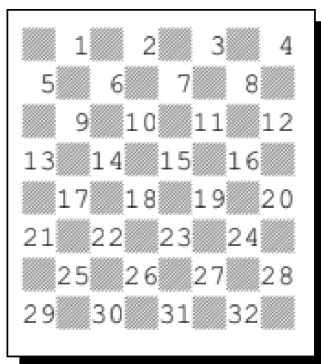
© Copyright 2003, Jim Loy

You may print this and show it to others. I, Jim Loy, hereby give you permission to distribute this widely.

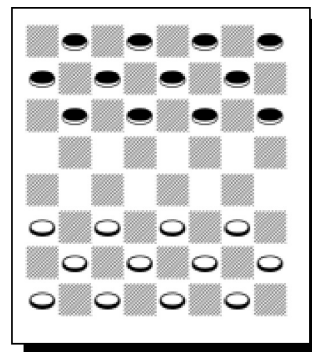
This was written before the newer difficult openings (Black Widow and others) became accepted.

Concerning transpositions, I recommend Richard Pask's book (free online at the Checkers Maven) *Key Landings*. That book analyzes the landings in some detail.

If you need help reading checkers notation, please print out this numbered board, which I copied from the ACF Bulletin. Turn the diagram upside down if you are playing Red (Black).



**numbered board**



**starting position**

**Reading Checkers Moves:** Feel free to make a copy of this, and keep it handy for reading checkers moves. The two players are called Red and White, and in the past they were called Black and White. Notice that Red's pieces begin the game on 1 through 12, and White's begin on 21 through 32. The game is played on the dark squares, but books and magazines (including the ACFB) normally reverse the colors of the squares of diagrams to improve readability. In the ACFB, Red is at the top of the diagram. Moves are recorded as from-to, an example being 11-15. A multiple jump is normally written like 10-26 unless that is ambiguous, then 10-19-26 is written.

**Three-Move Checkers:** In tournaments, the most popular form of checkers is called three-move, in which the first three moves (Red, White, Red) are chosen at random from a three-move deck of cards. Instructions come with the cards.

## Chapter I - Popular Landings

Here are 34 very popular positions (landings), all of which can come about from several openings. Knowing about these landings will help you deal with many of the more than 100 3-move openings. Here I show one line (in bold) leading to the popular landing, then several other lines that lead to that line after varying numbers of moves. The numbers on the left are the opening number, on the Three-Move Opening List. C.r. means colors reversed

**#2: 9-13 21-17 6-9 25-21 11-15 30-25 9-14 24-19 15-24 28-19 5-9**  
#85: 11-15 21-17 9-13 25-21 6-9  
#53: 10-14 24-19 6-10 22-17 9-13 25-22 11-15 30-25  
#27: 9-14 22-17 6-9 24-19 9-13 25-22 11-15 30-25  
#1: 9-13 21-17 5-9 25-21 11-15 30-25 9-14 24-19 15-24 28-19 6-9  
#85: 11-15 21-17 9-13 25-21 5-9 30-25 9-14 24-19 15-24 28-19 6-9

**#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19 11-15**  
#69: 10-15 22-17 9-13 24-19 15-24 28-19 13-22 25-18  
#19: 9-13 24-19 11-15 22-17 15-24 28-19 13-22 25-18 10-15  
#89: 11-15 22-17 9-13 24-19 15-24 28-19 13-22 25-18 10-15

**#5: 9-13 22-18 10-15 25-22 6-10 24-20 5-9 28-24 10-14**  
#21: 9-13 24-20 5-9 22-18 10-15 25-22 6-10  
#21: 9-13 24-20 5-9 22-18 10-14 28-24 6-10 25-22 10-15  
#23: 9-13 24-20 10-14 22-18 5-9 28-24 6-10 25-22 10-15  
#22: 9-13 24-20 6-9 22-18 9-14 28-24 5-9 25-22 10-15  
#23: 9-13 24-20 10-14 22-18 6-10 28-24 5-9 25-22 10-15  
#4: 9-13 22-18 6-9 24-20 9-14 28-24 5-9 25-22 10-15

**#19: 9-13 24-19 11-15 22-17 15-24 28-19 13-22 25-18 10-15**  
#89: 11-15 22-17 9-13 24-19  
#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19 11-15  
#69: 10-15 22-17 9-13 24-19 15-24 28-19 13-22 25-18 11-15

**#20: 9-13 24-19 11-16 22-18 8-11 25-22 16-20**  
#7: 9-13 22-18 12-16 24-19 8-12  
#123: 11-16 24-19 8-11 22-18 9-13  
#114: 11-16 22-18 8-11 24-19 9-13  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 9-13  
#116: 11-16 22-18 16-20 25-22 8-11 24-19 9-13  
#133: 12-16 22-18 16-20 25-22 8-12 24-19 9-13  
#124: 11-16 24-19 16-20 22-18 8-11 25-22 9-13  
#116: 11-16 22-18 16-20 24-19 8-11 25-22 9-13  
#133: 12-16 22-18 16-20 24-19 8-12 25-22 9-13  
#136: 12-16 24-19 16-20 22-18 8-12 25-22 9-13  
#123: 11-16 24-19 8-11 22-18 16-20 25-22 9-13

**#28: 9-14 22-17 11-15 25-22 15-19 23-16 12-19 24-15 10-19**  
#86: 11-15 21-17 9-14 25-21  
#29: 9-14 22-17 11-16 25-22 16-19  
#108: 11-16 21-17 9-14 25-21 16-19  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-14  
#87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 25-21 9-14

**#41: 9-14 24-20 5-9 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-5**  
#30: 9-14 22-18 5-9 24-20  
#57: 10-14 24-20 6-10 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-6  
#47: 10-14 22-18 6-10 24-20 10-15 28-24 15-22 26-10 7-14 25-22 1-6

**#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 26-23 3-7 22-17**  
 #102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 26-23  
 #82: 10-15 24-20 7-10 28-24 3-7 23-19 9-14 22-17 5-9 26-23  
 #42: 9-14 24-20 10-15 22-17 7-10 28-24 3-7 23-19 5-9 26-23  
 #41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 22-17 3-7 26-23

**#49: 10-14 22-18 11-16 25-22 16-20 24-19 8-11**  
 #116: 11-16 22-18 16-20 25-22 10-14  
 #124: 11-16 24-19 16-20 22-18 10-14 25-22  
 #116: 11-16 22-18 16-20 24-19 10-14 25-22  
 #55: 10-14 24-19 11-16 22-18 16-20 25-22  
 #49: 10-14 22-18 11-16 24-19 16-20 25-22  
 #114: 11-16 22-18 8-11 25-22 16-20 24-19 10-14  
 #116: 11-16 22-18 16-20 25-22 8-11 24-19 10-14  
 #133: 12-16 22-18 16-20 25-22 8-12 24-10 10-14  
 #123: 11-16 24-19 8-11 22-18 10-14 25-22 16-20  
 #114: 11-16 22-18 8-11 24-19 10-14 25-22 16-20  
 #49: 10-14 22-18 11-16 24-19 8-11 25-22 16-20  
 #55: 10-14 24-19 11-16 22-18 8-11 25-22 16-20

**#49A: 10-14 22-18 12-16 24-20 16-19 23-16 14-23 26-19 8-12 25-22 6-10**  
 #49: 10-14 22-18 11-16 25-22 8-11 24-20 16-19 23-16 14-23 26-19  
 #114: 11-16 22-18 8-11 25-22 10-14 24-20 16-19 23-16 14-23 26-19  
 #47: 10-14 22-18 6-10 25-22 12-16 24-20 16-19 23-16 14-23 26-19 8-12

**#53: 10-14 24-19 6-10 27-24 9-13 22-18 5-9 25-22 1-5 24-20**  
 #50A: 10-14 23-19 6-10 27-23  
 #15: 9-13 23-19 10-14 27-23 6-10  
 #18: 9-13 24-19 6-9 27-24 9-14  
 #14: 9-13 23-19 6-9 27-23 9-14  
 #13: 9-13 23-19 5-9 22-18 10-14 27-23 6-10  
 #21: 9-13 24-20 5-9 22-18 10-14 27-24 6-10 24-19 1-5 25-22  
 #23: 9-13 24-20 10-14 22-18 5-9 27-24 6-10 24-19 1-5 25-22

**#68: 10-15 22-17 7-10 25-22 9-14 24-20**  
 #63: 10-15 21-17 7-10 25-21  
 #28: 9-14 22-17 11-15 25-22 7-11  
 #86: 11-15 21-17 9-14 25-21 7-11  
 #42: 9-14 24-20 10-15 22-17 7-10 25-22

**#85: 11-15 21-17 9-13 25-21 8-11 17-14 10-17 21-14**  
 #89: 11-15 22-17 9-13 25-22  
 #88: 11-15 22-17 8-11 25-22 9-13  
 #84: 11-15 21-17 8-11 25-21 9-13  
 #89: 11-15 22-17 9-13 17-14 10-17 21-14 8-11 25-22

**#85: 11-15 21-17 9-13 25-21 8-11 24-19 15-24 28-19 5-9**  
 #89: 11-15 22-17 9-13 25-22  
 #88: 11-15 22-17 8-11 25-22 9-13  
 #84: 11-15 21-17 8-11 25-21 9-13  
 #1: 9-13 21-17 5-9 25-21 11-15 24-19 15-24 28-19 8-11  
 #85: 11-15 21-17 9-13 25-21 5-9 24-19 15-24 28-19 8-11

**#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19 15-24 28-19**  
 #84: 11-15 21-17 8-11 25-21  
 #28: 9-14 22-17 11-15 25-22 8-11  
 #86: 11-15 21-17 9-14 25-21 8-11  
 #84: 11-15 21-17 8-11 17-13 9-14 25-21  
 #29: 9-14 22-17 11-16 25-22 8-11 17-13 11-15  
 #108: 11-16 21-17 9-14 25-21 8-11 17-13 11-15  
 #111: 11-16 22-17 8-11 25-22 9-14 17-13 11-15  
 #106: 11-16 21-17 8-11 25-21 9-14 17-13 11-15  
 #84: 11-15 21-17 8-11 17-13 11-16 25-21 9-14  
 #29: 9-14 22-17 11-16 25-22 8-11 24-19 11-15 17-13  
 #108: 11-16 21-17 9-14 25-21 8-11 24-19 11-15 17-13  
 #111: 11-16 22-17 8-11 25-22 9-14 24-19 11-15 17-13  
 #106: 11-16 21-17 8-11 25-21 9-14 24-19 11-15 17-13  
 #111: 11-16 22-17 8-11 24-19 9-14 25-22 11-15 17-13  
 #123: 11-16 24-19 8-11 22-17 9-14 25-22 11-15 17-13  
 #111: 11-16 22-17 8-11 24-19 9-14 17-13 11-15 25-22  
 #123: 11-16 24-19 8-11 22-17 9-14 17-13 11-15 25-22  
 #84: 11-15 21-17 8-11 17-13 11-16 24-19 15-24 28-19 9-14 25-21  
 #106: 11-16 21-17 8-11 17-13 11-15 24-19 15-24 28-19 9-14 25-21  
 #111: 11-16 22-17 8-11 25-22 11-15 24-19 15-24 28-19 9-14 17-13  
 #106: 11-16 21-17 8-11 25-21 11-15 24-19 15-24 28-19 9-14 17-13

**#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-13**  
 #87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 25-21  
 #89: 11-15 21-17 9-13 25-21 15-19 24-15 10-19 23-16 12-19  
 #107: 11-16 21-17 9-13 25-21 16-19 23-16 12-19 24-15 10-19

**#99: 11-15 23-19 9-13 22-18 15-22 25-18 7-11**  
 #92: 11-15 22-18 15-22 25-18 9-13 23-19  
 #72: 10-15 22-18 15-22 25-18 9-13 23-19 7-10  
 #79: 10-15 23-19 7-10 22-18 15-22 25-18 9-13

**#100: 11-15 23-19 9-14 22-17 5-9**  
 #28: 9-14 22-17 11-15 23-19  
 #26: 9-14 22-17 5-9 23-19 11-15  
 #35: 9-14 23-19 5-9 22-17 11-15

**#100: 11-15 23-19 9-14 22-17 6-9 17-13 2-6 25-22 8-11**  
 #28: 9-14 22-17 11-15 23-19  
 #28: 9-14 22-17 11-15 25-22 8-11 23-19 6-9 17-13 2-6  
 #86: 11-15 21-17 9-14 25-21 8-11 23-19 6-9 17-13 2-6  
 #88: 11-15 22-17 8-11 25-22 9-14 23-19 6-9 17-13 2-6  
 #84: 11-15 21-17 8-11 25-21 9-14 23-19 6-9 17-13 2-6  
 #100: 11-15 23-19 9-14 22-17 8-11 25-22 6-9 17-13 2-6  
 #98: 11-15 23-19 8-11 22-17 9-14 25-22 6-9 17-13 2-6  
 #88: 11-15 22-17 8-11 23-19 9-14 25-22 6-9 17-13 2-6

**#100: 11-15 23-19 9-14 27-23 5-9**  
 #39: 9-14 24-19 11-15 27-24  
 #35: 9-14 23-19 5-9 27-23 11-15  
 #38: 9-14 24-19 5-9 27-24 11-15

**#100: 11-15 23-19 9-14 27-23 8-11 22-18 15-22 25-9 5-14**  
 #39: 9-14 24-19 11-15 27-24  
 #98: 11-15 23-19 8-11 27-23 9-14  
 #48: 10-14 22-18 11-15 18-11 8-15 24-19 15-24 28-19 6-10 25-22 c.r.

**#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 17-13**

#82: 10-15 24-20 7-10 28-24 3-7  
#42: 9-14 24-20 10-15 22-17 7-10 28-24 3-7 23-19  
#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 22-17 3-7  
#42: 9-14 24-20 10-15 22-17 7-10 28-24 5-9 17-13 3-7 23-19

**#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 26-23**

#82: 10-15 24-20 7-10 28-24 3-7  
#42: 9-14 24-20 10-15 22-17 7-10 28-24 3-7 23-19  
#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 22-17 3-7  
#41: 9-14 24-20 5-9 28-25 11-15 23-19 7-11 26-23 3-7 22-17

**#112: 11-16 22-17 16-20 25-22 8-11 30-25 9-14**

#109: 11-16 21-17 16-20 25-21  
#29: 9-14 22-17 11-16 25-22 16-20 30-25 8-11  
#108: 11-16 21-17 9-14 25-21 16-20 30-25 8-11  
#112: 11-16 22-17 16-20 25-22 9-14 30-25 8-11  
#109: 11-16 21-17 16-20 25-21 9-14 30-25 8-11

**#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8 22-17 9-14 18-9 5-14**

#116: 11-16 22-18 16-20 25-22 8-11  
#133: 12-16 22-18 16-20 25-22 8-12  
#124: 11-16 24-19 16-20 22-18 8-11 25-22  
#116: 11-16 22-18 16-20 24-19 8-11 25-22  
#133: 12-16 22-18 16-20 24-19 8-12 25-22  
#136: 12-16 24-19 16-20 22-18 8-12 25-22  
#123: 11-16 24-19 8-11 22-18 16-20 25-22  
#114: 11-16 22-18 8-11 24-19 16-20 25-22  
#123: 11-16 24-19 8-11 22-18 4-8 25-22 16-20  
#114: 11-16 22-18 8-11 24-19 4-8 25-22 16-20  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14 18-9 5-14 24-19 4-8  
#116: 11-16 22-18 16-20 25-22 8-11  
#133: 12-16 22-18 16-20 25-22 8-12  
#111: 11-16 22-17 8-11 25-22 16-20 22-18  
#106: 11-16 21-17 8-11 25-21 16-20 22-18  
#112: 11-16 22-17 16-20 25-22 8-11 22-18  
#109: 11-16 21-17 16-20 25-21 8-11 22-18  
#131: 12-16 22-17 16-20 25-22 8-12 22-18  
#129: 12-16 21-17 16-20 25-21 8-12 22-18  
#29: 9-14 22-17 11-16 25-22 8-11 22-18 16-20  
#111: 11-16 22-17 8-11 25-22 9-14 22-18 16-20  
#106: 11-16 21-17 8-11 25-21 9-14 22-18 16-20  
#108: 11-16 21-17 9-14 25-21 8-11 22-18 16-20  
#29: 9-14 22-17 11-16 25-22 16-20 22-18 8-11  
#108: 11-16 21-17 9-14 25-21 16-20 22-18 8-11  
#112: 11-16 22-17 16-20 25-22 9-14 22-18 8-11  
#127: 12-16 21-17 9-14 25-21 16-20 22-18 8-12  
#131: 12-16 22-17 16-20 25-22 9-14 22-18 8-12  
#129: 12-16 21-17 16-20 25-21 9-14 22-18 8-12

**#121: 11-16 23-18 16-20 24-19 10-14 18-15**

#124: 11-16 24-19 16-20 23-18  
#51: 10-14 23-19 11-16 19-15 16-20 24-19  
#120: 11-16 23-18 10-14 18-15 16-20 24-19

**#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11 22-17 7-10**

#124: 11-16 24-19 16-20 23-18  
#120: 11-16 23-18 10-14 26-23 16-20 24-19  
#49: 10-14 22-18 11-16 26-22 16-20 24-19  
#124: 11-16 24-19 16-20 22-18 10-14 26-22  
#116: 11-16 22-18 16-20 24-19 10-14 26-22  
#55: 10-14 24-19 11-16 22-18 16-20 26-22  
#49: 10-14 22-18 11-16 24-19 16-20 26-22  
#118: 11-16 23-18 8-11 26-23 16-20 24-19 10-14  
#114: 11-16 22-18 8-11 26-22 16-20 24-19 10-14  
#133: 12-16 22-18 16-20 24-19 8-12 26-22 10-14  
#136: 12-16 24-19 16-20 22-18 8-12 26-22 10-14  
#123: 11-16 24-19 8-11 22-18 16-20 26-22 10-14  
#114: 11-16 22-18 8-11 24-19 16-20 26-22 10-14  
#124: 11-16 24-19 16-20 22-18 8-11 26-22 10-14  
#116: 11-16 22-18 16-20 24-19 8-11 26-22 10-14  
#133: 12-16 22-18 16-20 24-19 8-12 26-22 10-14  
#136: 12-16 24-19 16-20 22-18 8-12 26-22 10-14  
#123: 11-16 24-19 8-11 22-18 10-14 26-22 16-20  
#114: 11-16 22-18 8-11 24-19 10-14 26-22 16-20  
#49: 10-14 22-18 11-16 24-19 8-11 26-22 16-20  
#55: 10-14 24-19 11-16 22-18 8-11 26-22 16-20  
#123: 11-16 24-19 8-11 22-18 10-14 26-22 7-10 22-17 16-20  
#114: 11-16 22-18 8-11 24-19 10-14 26-22 7-10 22-17 16-20  
#49: 10-14 22-18 11-16 24-19 8-11 26-22 7-10 22-17 16-20  
#55: 10-14 24-19 11-16 22-18 8-11 26-22 7-10 22-17 16-20

**#122: 11-16 24-19 7-11 22-18 3-7 25-22**

#113: 11-16 22-18 7-11 24-19  
#123: 11-16 24-19 8-11 22-18 3-8  
#113: 11-16 22-18 7-11 25-22 3-7 24-19  
#114: 11-16 22-18 8-11 25-22 3-8 24-19

**#122: 11-16 24-19 7-11 22-18 3-7 26-22**

#113: 11-16 22-18 7-11 24-19  
#123: 11-16 24-19 8-11 22-18 3-8  
#114: 11-16 22-18 8-11 24-19 3-8  
#117: 11-16 23-18 7-11 26-23 3-7 24-19  
#113: 11-16 22-18 7-11 26-22 3-7 24-19

**#123: 11-16 24-19 8-11 22-18 4-8 25-22 16-20 30-25 11-16 22-17 10-14**

#114: 11-16 22-18 8-11 24-19  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8  
#116: 11-16 22-18 16-20 25-22 8-11 24-19 4-8  
#133: 12-16 22-18 16-20 25-22 8-12 24-19 4-8  
#124: 11-16 24-19 16-20 22-18 8-11 25-22 4-8  
#116: 11-16 22-18 16-20 24-19 8-11 25-22 4-8  
#133: 12-16 22-18 16-20 24-19 8-12 25-22 4-8  
#136: 12-16 24-19 16-20 22-18 8-12 25-22 4-8  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8  
#123: 11-16 24-19 8-11 22-18 10-14 25-22 4-8 30-25 16-20 22-17 11-16  
#114: 11-16 22-18 8-11 24-19 10-14 25-22 4-8 30-25 16-20 22-17 11-16  
#49: 10-14 22-18 11-16 24-19 8-11 25-22 4-8 30-25 16-20 22-17 11-16  
#55: 10-14 24-19 11-16 22-18 8-11 25-22 4-8 30-25 16-20 22-17 11-16

**#124A 11-16 24-20 7-11 22-18 3-7 25-22**

#113: 11-16 22-18 7-11 24-20  
#114: 11-16 22-18 8-11 24-20 3-8  
#137: 12-16 24-20 8-12 22-18 3-8  
#113: 11-16 22-18 7-11 25-22 3-7 24-20  
#114: 11-16 22-18 8-11 25-22 3-8 24-20

**#129: 12-16 21-17 16-20 17-13 8-12 22-18 10-15 26-22**  
#106: 11-16 21-17 8-11 17-13 16-20  
#65: 10-15 21-17 11-16 17-13 16-20 23-18 8-11 26-23  
#109: 11-16 21-17 16-20 17-13 10-15 23-18 8-11 26-23



## Chapter 2 - Opening Transpositions

In the 3-move deck, there are well over a hundred openings, many of them difficult. To ease your study of these openings, here are many of the most common transpositions from one opening to another. Also see Popular Landings. "C.R." means colors reversed. I typed this all by hand; I would appreciate hearing of any errors.

### #1: 9-13 21-17 5-9

#1: 9-13 21-17 5-9 25-21 9-14  
#26: 9-14 22-17 5-9 25-22 9-13

#1: 9-13 21-17 5-9 25-21 9-14 30-25 11-15 24-19 15-24 28-19 6-9  
#2: 9-13 21-17 6-9 25-21 11-15 30-25 9-14 24-19 15-24 28-19 5-9

#1: 9-13 21-17 5-9 25-21 11-15  
#85: 11-15 21-17 9-13 25-21 5-9

#1: 9-13 21-17 5-9 25-21 11-15 23-18 12-16  
#126: 12-16 21-17 9-13 25-21 5-9 23-18 11-15

#1: 9-13 21-17 5-9 25-21 11-15 24-19 15-24 28-19 8-11  
#85: 11-15 21-17 9-13 25-21 8-11 24-19 15-24 28-19 5-9

#1: 9-13 21-17 5-9 25-21 11-16  
#107: 11-16 21-17 9-13 25-21 5-9

#1: 9-13 21-17 5-9 25-21 12-16  
#126: 12-16 21-17 9-13 25-21 5-9

### #2: 9-13 21-17 6-9

#2: 9-13 21-17 6-9 25-21 9-14  
#27: 9-14 22-17 6-9 25-22 9-13

#2: 9-13 21-17 6-9 25-21 11-15  
#85: 11-15 21-17 9-13 25-21 6-9

#2: 9-13 21-17 6-9 25-21 11-15 30-25 9-14 24-19  
#53: 10-14 24-19 6-10 22-17 9-13 25-22 11-15 30-25

#2: 9-13 21-17 6-9 25-21 11-15 30-25 9-14 24-19 15-24 28-19 5-9  
#1: 9-13 21-17 5-9 25-21 9-14 30-25 11-15 24-19 15-24 28-19 6-9

### #3: 9-13 22-17 13-22

#3: 9-13 22-17 13-22 25-18 6-9  
#72: 10-15 22-18 15-22 25-18 6-10

#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19  
#69: 10-15 22-17 9-13 24-19 15-24 28-19 13-22 25-18

#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19 11-15  
#19: 9-13 24-19 11-15 22-17 15-24 28-19 13-22 25-18 10-15

### #4: 9-13 22-18 6-9

#4: 9-13 22-18 6-9 18-14 9-18 23-14 10-17 21-14 12-16 24-20 1-6 25-22  
#12: 9-13 23-18 12-16 18-14 10-17 21-14 6-10 24-20 10-17 25-21 1-6 21-14

#4: 9-13 22-18 6-9 23-19  
#14: 9-13 23-19 6-9 22-18

#4: 9-13 22-18 6-9 24-19  
#18: 9-13 24-19 6-9 22-18

#4: 9-13 22-18 6-9 24-20  
#22: 9-13 24-20 6-9 22-18

#4: 9-13 22-18 6-9 25-22 9-14  
#47: 10-14 22-18 6-10 25-22 9-13

#4: 9-13 22-18 6-9 25-22 10-15  
#5: 9-13 22-18 10-15 25-22 6-9

#4: 9-13 22-18 6-9 26-22  
#9: 9-13 23-18 6-9 26-23

**#5: 9-13 22-18 10-15**

#5: 9-13 22-18 10-15 18-14  
#69: 10-15 22-17 9-13 17-14

#5: 9-13 22-18 10-15 24-19 15-22 25-18  
#72: 10-15 22-18 15-22 25-18 9-13 24-19

#5: 9-13 22-18 10-15 25-22 6-9  
#4: 9-13 22-18 6-9 25-22 10-15

#5: 9-13 22-18 10-15 25-22 6-10 24-20 5-9  
#21: 9-13 24-20 5-9 22-18 10-15 25-22 6-10

#5: 9-13 22-18 10-15 25-22 6-10 24-20 5-9 28-24 10-14  
#21: 9-13 24-20 5-9 22-18 10-14 28-24 6-10 25-22 10-15

#5: 9-13 22-18 10-15 26-22  
#10: 9-13 23-18 10-15 26-23

**#7: 9-13 22-18 12-16**

#7: 9-13 22-18 12-16 21-17  
#126: 12-16 21-17 9-13 22-18

#7: 9-13 22-18 12-16 24-19 8-12  
#20: 9-13 24-19 11-16 22-18 8-11  
#123: 11-16 24-19 8-11 22-18 9-13

#7: 9-13 22-18 12-16 26-22  
#13: 9-13 23-18 12-16 26-23

**#8: 9-13 23-18 5-9**

#8: 9-13 23-18 5-9 18-15  
#13: 9-13 23-19 5-9 19-15

#8: 9-13 23-18 5-9 24-19  
#17: 9-13 24-19 5-9 23-18

#8: 9-13 23-18 5-9 24-20  
#21: 9-13 24-20 5-9 23-18

#8: 9-13 23-18 5-9 26-23 10-14 24-20  
#21: 9-13 24-20 5-9 22-18 10-14 26-22

#8: 9-13 23-18 5-9 27-23 11-16 21-17 1-5 25-21  
#107: 11-16 21-17 9-13 25-21 5-9 23-18 1-5 27-23

**#9: 9-13 23-18 6-9**

#9: 9-13 23-18 6-9 18-15  
#14: 9-13 23-19 6-9 19-15

#9: 9-13 23-18 6-9 24-20  
#22: 9-13 24-20 6-9 23-18

#9: 9-13 23-18 6-9 26-23  
#4: 9-13 22-18 6-9 26-22

**#10: 9-13 23-18 10-15** (in Ryan's Encyclopedia as 10-15 23-18 9-13)

#10: 9-13 23-18 10-15 21-17  
#64: 10-15 21-17 9-13 23-18

#10: 9-13 23-18 10-15 24-20  
#24: 9-13 24-20 10-15 23-18

#10: 9-13 23-18 10-15 26-23  
#5: 9-13 22-18 10-15 26-22

**#12: 9-13 23-18 12-16**

#12: 9-13 23-18 12-16 18-14 10-17 21-14 6-10 24-20 10-17 25-21 1-6 21-14  
#4: 9-13 22-18 6-9 18-14 9-18 23-14 10-17 21-14 12-16 24-20 1-6 25-22

#12: 9-13 23-18 12-16 21-17  
#126: 12-16 21-17 9-13 23-18

#12: 9-13 23-18 12-16 24-20 16-19 18-14 10-17 21-14 6-10 25-21 10-17  
#12: 9-13 23-18 12-16 18-14 10-17 21-14 6-10 24-20 10-17 25-21 16-19

#12: 9-13 23-18 12-16 26-23  
#7: 9-13 22-18 12-16 26-22

**#13: 9-13 23-19 5-9**

#13: 9-13 23-19 5-9 19-15  
#8: 9-13 23-18 5-9 18-15

#13: 9-13 23-19 5-9 22-18 10-14 27-23 6-10  
#53: 10-14 24-19 6-10 27-24 9-13 22-18 5-9

#13: 9-13 23-19 5-9 27-23  
#17: 9-13 24-19 5-9 27-24

#13: 9-13 23-19 5-9 27-23 11-15  
#19: 9-13 24-19 11-15 27-24 5-9

**#14: 9-13 23-19 6-9**

#14: 9-13 23-19 6-9 19-15  
#9: 9-13 23-18 6-9 18-15

#14: 9-13 23-19 6-9 22-18  
#4: 9-13 22-18 6-9 23-19

#14: 9-13 23-19 6-9 27-23  
#18: 9-13 24-19 6-9 27-24

#14: 9-13 23-19 6-9 27-23 9-14  
#53: 10-14 24-19 6-10 27-24 9-13

**#15: 9-13 23-19 10-14**

#15: 9-13 23-19 10-14 26-23 11-16  
#16: 9-13 23-19 11-16 26-23 10-14  
#51: 10-14 23-19 11-16 26-23 9-13

#15: 9-13 23-19 10-14 27-23 6-10  
#53: 10-14 24-19 6-10 27-24 9-13

#15: 9-13 23-19 10-14 27-23 11-16  
#16: 9-13 23-19 11-16 27-23 10-14

**#16: 9-13 23-19 11-16**

#16: 9-13 23-19 11-16 26-23 10-14  
#15: 9-13 23-19 10-14 26-23 11-16  
#51: 10-14 23-19 11-16 26-23 9-13

#16: 9-13 23-19 11-16 27-23  
#20: 9-13 24-19 11-16 27-24

#16: 9-13 23-19 11-16 27-23 10-14  
#15: 9-13 23-19 10-14 27-23 11-16

**#17: 9-13 24-19 5-9**

#17: 9-13 24-19 5-9 22-18 11-15 18-11 8-24 28-19 9-14  
#38: 9-14 24-19 5-9 22-18 11-15 18-11 8-24 28-19 9-13

#17: 9-13 24-19 5-9 23-18  
#8: 9-13 23-18 5-9 24-19

#17: 9-13 24-19 5-9 27-24  
#13: 9-13 23-19 5-9 27-23

#17: 9-13 24-19 5-9 28-24 9-14 22-18 6-9  
#18: 9-13 24-19 6-9 28-24 9-14 22-18 5-9

**#18: 9-13 24-19 6-9**

#18: 9-13 24-19 6-9 22-17 13-22 25-18  
#72: 10-15 22-18 15-22 25-18 6-10 24-19

#18: 9-13 24-19 6-9 22-18  
#4: 9-13 22-18 6-9 24-19

#18: 9-13 24-19 6-9 27-24  
#14: 9-13 23-19 6-9 27-23

#18: 9-13 24-19 6-9 27-24 9-14  
#53: 10-14 24-19 6-10 27-24 9-13

#18: 9-13 24-19 6-9 28-24 9-14 22-18 5-9  
#17: 9-13 24-19 5-9 28-24 9-14 22-18 6-9

#18: 9-13 24-19 6-9 28-24 11-15  
#19: 9-13 24-19 11-15 28-24 6-9

**#19: 9-13 24-19 11-15**

#19: 9-13 24-19 11-15 22-17  
#89: 11-15 22-17 9-13 24-19

#19: 9-13 24-19 11-15 22-17 15-24 28-19 13-22 25-18 10-15  
#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19 11-15

#19: 9-13 24-19 11-15 27-24  
#99: 11-15 23-19 9-13 27-23

#19: 9-13 24-19 11-15 27-24 5-9  
#13: 9-13 23-19 5-9 27-23 11-15

#19: 9-13 24-19 11-15 28-24 6-9  
#18: 9-13 24-19 6-9 28-24 11-15

**#20: 9-13 24-19 11-16**

#20: 9-13 24-19 11-16 22-18 8-11  
#7: 9-13 22-18 12-16 24-19 8-12  
#123: 11-16 24-19 8-11 22-18 9-13

#20: 9-13 24-19 11-16 22-18 8-11 25-22 16-20  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 9-13

#20: 9-13 24-19 11-16 27-24  
#16: 9-13 23-19 11-16 27-23

**#21: 9-13 24-20 5-9**

#21: 9-13 24-20 5-9 22-18 10-14  
#23: 9-13 24-20 10-14 22-18 5-9

#21: 9-13 24-20 5-9 22-18 10-14 26-22  
#8: 9-13 23-18 5-9 26-23 10-14 24-20

#21: 9-13 24-20 5-9 22-18 10-14 27-24 6-10 24-19 1-5 25-22  
#53: 10-14 24-19 6-10 27-24 9-13 22-18 5-9 25-22 1-5 24-20

#21: 9-13 24-20 5-9 22-18 10-14 28-24 6-10  
#22: 9-13 24-20 6-9 22-18 9-14 28-24 5-9

#21: 9-13 24-20 5-9 22-18 10-14 28-24 6-10 25-22 10-15  
#5: 9-13 22-18 10-15 25-22 6-10 24-20 5-9 28-24 10-14

#21: 9-13 24-20 5-9 22-18 10-15 25-22 6-10  
#5: 9-13 22-18 10-15 25-22 6-10 24-20 5-9

#21: 9-13 24-20 5-9 23-18  
#8: 9-13 23-18 5-9 24-20

**#22: 9-13 24-20 6-9**

#22: 9-13 24-20 6-9 22-18  
#4: 9-13 22-18 6-9 24-20

#22: 9-13 24-20 6-9 22-18 9-14  
#23: 9-13 24-20 10-14 22-18 6-10

#22: 9-13 24-20 6-9 22-18 9-14 28-24 5-9  
#21: 9-13 24-20 5-9 22-18 10-14 28-24 6-10

#22: 9-13 24-20 6-9 22-18 10-14  
#23: 9-13 24-20 10-14 22-18 6-9

#22: 9-13 24-20 6-9 23-18  
#9: 9-13 23-18 6-9 24-20

#22: 9-13 24-20 6-9 28-24 11-15 23-18 8-11  
#102: 11-15 24-20 8-11 28-24 9-13 23-18 6-9

**#23: 9-13 24-20 10-14**

#23: 9-13 24-20 10-14 22-17 13-22  
#42: 9-14 24-20 10-15 22-18 15-22

#23: 9-13 24-20 10-14 22-18 5-9  
#21: 9-13 24-20 5-9 22-18 10-14

#23: 9-13 24-20 10-14 22-18 6-9  
#22: 9-13 24-20 6-9 22-18 10-14

#23: 9-13 24-20 10-14 22-18 6-10  
#22: 9-13 24-20 6-9 22-18 9-14

#23: 9-13 24-20 10-14 22-18 7-10  
#58: 10-14 24-20 7-10 22-18 9-13

**#24: 9-13 24-20 10-15**

#24: 9-13 24-20 10-15 21-17  
#64: 10-15 21-17 9-13 24-20

#24: 9-13 24-20 10-15 23-18  
#10: 9-13 23-18 10-15 24-20

#24: 9-13 24-20 10-15 23-18 12-16 21-17  
#77: 10-15 23-18 12-16 21-17 9-13 24-20

#24: 9-13 24-20 10-15 28-24 6-10 23-18 5-9 21-17 1-5 25-21 12-16  
#24: 9-13 24-20 10-15 28-24 5-9 23-18 12-16 21-17 6-10 25-21 1-5

**#25: 9-13 24-20 11-15**

#25: 9-13 24-20 11-15 22-17  
#89: 11-15 22-17 9-13 24-20

#25: 9-13 24-20 11-15 23-18 8-11 27-23  
#93: 11-15 23-18 8-11 27-23 9-13 24-20

**#26: 9-14 22-17 5-9**

#26: 9-14 22-17 5-9 17-13 1-5  
#27: 9-14 22-17 6-9 17-13 1-6

#26: 9-14 22-17 5-9 23-19  
#35: 9-14 23-19 5-9 22-17

#26: 9-14 22-17 5-9 23-19 11-15  
#100: 11-15 23-19 9-14 22-17 5-9

#26: 9-14 22-17 5-9 24-19  
#38: 9-14 24-19 5-9 22-17

#26: 9-14 22-17 5-9 24-20  
#41: 9-14 24-20 5-9 22-17

#26: 9-14 22-17 5-9 25-22 9-13  
#1: 9-13 21-17 5-9 25-21 9-14

#26: 9-14 22-17 5-9 25-22 11-15  
#28: 9-14 22-17 11-15 25-22 5-9

**#27: 9-14 22-17 6-9**

#27: 9-14 22-17 6-9 17-13 1-6  
#26: 9-14 22-17 5-9 17-13 1-5

#27: 9-14 22-17 6-9 23-19  
#50A: 10-14 23-19 6-10 22-17

#27: 9-14 22-17 6-9 24-19  
#53: 10-14 24-19 6-10 22-17

#27: 9-14 22-17 6-9 24-20  
#57: 10-14 24-20 6-10 22-17

#27: 9-14 22-17 6-9 25-22 9-13  
#2: 9-13 21-17 6-9 25-21 9-14

#27: 9-14 22-17 6-9 25-22 11-15  
#28: 9-14 22-17 11-15 25-22 6-9

#27: 9-14 22-17 6-9 26-22 11-15 24-19  
#53: 10-14 24-19 6-10 22-17 11-15 26-22

**#28: 9-14 22-17 11-15**

#28: 9-14 22-17 11-15 23-19  
#100: 11-15 23-19 9-14 22-17

#28: 9-14 22-17 11-15 24-19  
#39: 9-14 24-19 11-15 22-17

#28: 9-14 22-17 11-15 24-20  
#43: 9-14 24-20 11-15 22-17

#28: 9-14 22-17 11-15 25-22  
#86: 11-15 21-17 9-14 25-21

#28: 9-14 22-17 11-15 25-22 5-9  
#26: 9-14 22-17 5-9 25-22 11-15

#28: 9-14 22-17 11-15 25-22 6-9  
#27: 9-14 22-17 6-9 25-22 11-15

#28: 9-14 22-17 11-15 25-22 7-11  
#68: 10-15 22-17 7-10 25-22 9-14

#28: 9-14 22-17 11-15 25-22 8-11  
#88: 11-15 22-17 8-11 25-22 9-14

#28: 9-14 22-17 11-15 25-22 15-19  
#29: 9-14 22-17 11-16 25-22 16-19  
#108: 11-16 21-17 9-14 25-21 16-19

#28: 9-14 22-17 11-15 25-22 15-19 23-16 12-19 24-15 10-19  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-14

**#29: 9-14 22-17 11-16**

#29: 9-14 22-17 11-16 23-19  
#36: 9-14 23-19 11-16 22-17

#29: 9-14 22-17 11-16 24-19  
#40: 9-14 24-19 11-16 22-17

#29: 9-14 22-17 11-16 25-22  
#108: 11-16 21-17 9-14 25-21

#29: 9-14 22-17 11-16 25-22 8-11  
#111: 11-16 22-17 8-11 25-22 9-14

#29: 9-14 22-17 11-16 25-22 8-11 17-13 11-15  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16

#29: 9-14 22-17 11-16 25-22 8-11 22-18 16-20  
#29: 9-14 22-17 11-16 25-22 16-20 22-18 8-11  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14

#29: 9-14 22-17 11-16 25-22 8-11 24-19  
#111: 11-16 22-17 8-11 24-19 9-14 25-22



#29: 9-14 22-17 11-16 25-22 8-11 24-19 11-15 17-13  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19

#29: 9-14 22-17 11-16 25-22 16-19  
#28: 9-14 22-17 11-15 25-22 15-19  
#108: 11-16 21-17 9-14 25-21 16-19

#29: 9-14 22-17 11-16 25-22 16-20  
#112: 11-16 22-17 16-20 25-22 9-14

#29: 9-14 22-17 11-16 25-22 16-20 30-25 8-11  
#112: 11-16 22-17 16-20 25-22 8-11 30-25 9-14

**#30: 9-14 22-18 5-9**

#30: 9-14 22-18 5-9 23-19  
#35: 9-14 23-19 5-9 22-18

#30: 9-14 22-18 5-9 24-19  
#38: 9-14 24-19 5-9 22-18

#30: 9-14 22-18 5-9 24-20  
#41: 9-14 24-20 5-9 22-18

#30: 9-14 22-18 5-9 25-22 11-16 24-19  
#38: 9-14 24-19 5-9 22-18 11-16 25-22

**#31: 9-14 22-18 10-15**

#31: 9-14 22-18 10-15 18-9 5-14 23-18  
#75: 10-15 23-18 9-14 18-9 5-14 22-18

#31: 9-14 22-18 10-15 18-9 5-14 26-22  
#75: 10-15 23-18 9-14 18-9 5-14 26-23

**#32: 9-14 22-18 11-15**

#32: 9-14 22-18 11-15 18-9 5-14 24-19 15-24 27-20 8-11  
#101: 11-15 24-19 15-24 27-20 9-14 22-18 8-11 18-9 5-14

#32: 9-14 22-18 11-15 18-9 5-14 24-19 15-24 28-19 8-11  
#101: 11-15 24-19 15-24 28-19 9-14 22-18 8-11 18-9 5-14

**#33: 9-14 22-18 11-16**

#33: 9-14 22-18 11-16 18-9 5-14 24-19 8-11  
#40: 9-14 24-19 11-16 22-18 8-11 18-9 5-14  
#123: 11-16 24-19 8-11 22-18 9-14 18-9 5-14

#33: 9-14 22-18 11-16 18-9 5-14 25-22 16-19 23-16 12-19 24-15 10-19  
#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 25-22 9-14 18-9 5-14

#33: 9-14 22-18 11-16 18-9 5-14 25-22 16-19 23-16 12-19 24-15 10-19 29-25  
8-11  
#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 25-22 8-11 29-25 9-14 18-9  
5-14

**#35: 9-14 23-19 5-9**

#35: 9-14 23-19 5-9 22-17  
#26: 9-14 22-17 5-9 23-19

#35: 9-14 23-19 5-9 22-17 11-15  
#100: 11-15 23-19 9-14 22-17 5-9

#35: 9-14 23-19 5-9 22-18  
#30: 9-14 22-18 5-9 23-19

#35: 9-14 23-19 5-9 24-20  
#41: 9-14 24-20 5-9 23-19

#35: 9-14 23-19 5-9 27-23  
#38: 9-14 24-19 5-9 27-24

#35: 9-14 23-19 5-9 27-23 11-15  
#100: 11-15 23-19 9-14 27-23 5-9

**#36: 9-14 23-19 11-16**

#36: 9-14 23-19 11-16 22-17  
#29: 9-14 22-17 11-16 23-19

#36: 9-14 23-19 11-16 26-23 6-9  
#51: 10-14 23-19 11-16 26-23 6-10

#36: 9-14 23-19 11-16 27-23  
#40: 9-14 24-19 11-16 27-24

**#38: 9-14 24-19 5-9**

#38: 9-14 24-19 5-9 22-17  
#26: 9-14 22-17 5-9 24-19

#38: 9-14 24-19 5-9 22-18  
#30: 9-14 22-18 5-9 24-19

#38: 9-14 24-19 5-9 22-18 11-15 18-11 8-24 28-19 4-8 25-22 8-11 22-18  
#41: 9-14 24-20 5-9 22-18 11-16 20-11 8-22 25-18 4-8 28-24 8-11 24-19

#38: 9-14 24-19 5-9 22-18 11-15 18-11 8-24 28-19 9-13  
#17: 9-13 24-19 5-9 22-18 11-15 18-11 8-24 28-19 9-14

#38: 9-14 24-19 5-9 22-18 11-16  
#40: 9-14 24-19 11-16 22-18 5-9

#38: 9-14 24-19 5-9 22-18 11-16 25-22  
#30: 9-14 22-18 5-9 25-22 11-16 24-19

#38: 9-14 24-19 5-9 27-24  
#35: 9-14 23-19 5-9 27-23

#38: 9-14 24-19 5-9 27-24 11-15  
#100: 11-15 23-19 9-14 27-23 5-9

**#39: 9-14 24-19 11-15**

#39: 9-14 24-19 11-15 22-17  
#28: 9-14 22-17 11-15 24-19

#39: 9-14 24-19 11-15 22-18 15-24 18-9 5-14 28-19 8-11  
#101: 11-15 24-19 15-24 28-19 8-11 22-18 9-14 18-9 5-14

#39: 9-14 24-19 11-15 27-24  
#100: 11-15 23-19 9-14 27-23

**#40: 9-14 24-19 11-16**

#40: 9-14 24-19 11-16 22-17  
#29: 9-14 22-17 11-16 24-19

#40: 9-14 24-19 11-16 22-18 5-9  
#38: 9-14 24-19 5-9 22-18 11-16

#40: 9-14 24-19 11-16 22-18 8-11 18-9 5-14  
#33: 9-14 22-18 11-16 18-9 5-14 24-19 8-11

#40: 9-14 24-19 11-16 27-24  
#36: 9-14 23-19 11-16 27-23

**#41: 9-14 24-20 5-9**

#41: 9-14 24-20 5-9 22-17  
#26: 9-14 22-17 5-9 24-20

#41: 9-14 24-20 5-9 22-18  
#30: 9-14 22-18 5-9 24-20

#41: 9-14 24-20 5-9 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-5  
#57: 10-14 24-20 6-10 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-6

#41: 9-14 24-20 5-9 22-18 11-16 20-11 8-22 25-18 4-8 28-24 8-11 24-19  
#38: 9-14 24-19 5-9 22-18 11-15 18-11 8-24 28-19 4-8 25-22 8-11 22-18

#41: 9-14 24-20 5-9 23-19  
#35: 9-14 23-19 5-9 24-20

#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 22-17 3-7  
#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9

#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 26-23 3-7 22-17  
#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 26-23

**#42: 9-14 24-20 10-15**

#42: 9-14 24-20 10-15 22-17 7-10 25-22  
#68: 10-15 22-17 7-10 25-22 9-14 24-20

#42: 9-14 24-20 10-15 22-17 7-10 28-24 3-7 23-19  
#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17

#42: 9-14 24-20 10-15 22-17 7-10 28-24 5-9 17-13 3-7 23-19  
#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 17-13

#42: 9-14 24-20 10-15 22-18 15-22  
#23: 9-13 24-20 10-14 22-17 13-22

#42: 9-14 24-20 10-15 22-18 15-22 25-9 5-14 29-25 7-10  
#43: 9-14 24-20 11-15 22-18 15-22 25-9 5-14 29-25 7-11

#42: 9-14 24-20 10-15 22-18 15-22 25-9 5-14 29-25 7-10 25-22 6-9  
#43: 9-14 24-20 11-15 22-18 15-22 25-9 5-14 29-25 6-9 25-22 7-11

**#43: 9-14 24-20 11-15**

#43: 9-14 24-20 11-15 22-17  
#28: 9-14 22-17 11-15 24-20

#43: 9-14 24-20 11-15 22-18 15-22 25-9 5-14 29-25 6-9 25-22 7-11  
#42: 9-14 24-20 10-15 22-18 15-22 25-9 5-14 29-25 7-10 25-22 6-9

#43: 9-14 24-20 11-15 22-18 15-22 25-9 5-14 29-25 7-11  
#42: 9-14 24-20 10-15 22-18 15-22 25-9 5-14 29-25 7-10

**#45: 10-14 22-17 7-10**

#45: 10-14 22-17 7-10 24-19  
#54: 10-14 24-19 7-10 22-17

#45: 10-14 22-17 7-10 24-20  
#58: 10-14 24-20 7-10 22-17

#45: 10-14 22-17 7-10 25-22 9-13 24-19  
#54: 10-14 24-19 7-10 22-17 9-13 25-22

**#47: 10-14 22-18 6-10**

#47: 10-14 22-18 6-10 24-19  
#53: 10-14 24-19 6-10 22-18

#47: 10-14 22-18 6-10 24-20  
#58: 10-14 24-20 6-10 22-18

#47: 10-14 22-18 6-10 25-22 9-13  
#4: 9-13 22-18 6-9 25-22 9-14

#47: 10-14 22-18 6-10 25-22 12-16 24-20 16-19 23-16 14-23 26-19 8-12  
#49A: 10-14 22-18 12-16 24-20 16-19 23-16 14-23 26-19 8-12 25-22 6-10

**#47A: 10-14 22-18 7-10**

#47A: 10-14 22-18 7-10 24-19  
#54: 10-14 24-19 7-10 22-18

#47A: 10-14 22-18 7-10 24-20  
#58: 10-14 24-20 7-10 22-18

#47A: 10-14 22-18 7-10 25-22 11-16  
#49: 10-14 22-18 11-16 25-22 7-10

#47A: 10-14 22-18 7-10 26-22 10-15  
#74: 10-15 23-18 7-10 26-23 10-14

#47A: 10-14 22-18 7-10 26-22 11-16  
#120: 11-16 23-18 10-14 26-23 7-10

**#48: 10-14 22-18 11-15**

#48: 10-14 22-18 11-15 18-11 8-15 23-18  
#95: 11-15 23-18 10-14 18-11 8-15 22-18

#48: 10-14 22-18 11-15 18-11 8-15 24-19 15-24 28-19 6-10 25-22  
#100: 11-15 23-19 9-14 27-23 8-11 22-18 15-22 25-9 5-14 C.R.

#48: 10-14 22-18 11-15 18-11 8-15 24-20 6-10  
#57: 10-14 24-20 6-10 22-18 11-15 18-11 8-15

#48: 10-14 22-18 11-15 18-11 8-15 26-22  
#95: 11-15 23-18 10-14 18-11 8-15 26-23

#48: 10-14 22-18 11-15 18-11 8-15 26-22 6-10 22-17  
#95: 11-15 23-18 10-15 18-11 8-15 22-17 6-10 26-23

**#49: 10-14 22-18 11-16**

#49: 10-14 22-18 11-16 18-15 16-20 26-22  
#51: 10-14 23-19 11-16 19-15 16-20 26-23  
#120: 11-16 23-18 10-14 26-23 16-20 18-15

#49: 10-14 22-18 11-16 24-19  
#55: 10-14 24-19 11-16 22-18

#49: 10-14 22-18 11-16 24-19 8-11  
#123: 11-16 24-19 8-11 22-18 10-14

#49: 10-14 22-18 11-16 24-20 16-19 23-16 12-19  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14

#49: 10-14 22-18 11-16 25-22 7-10  
#47A: 10-14 22-18 7-10 25-22 11-16

#49: 10-14 22-18 11-16 25-22 8-11  
#114: 11-16 22-18 8-11 25-22 10-14

#49: 10-14 22-18 11-16 25-22 8-11 24-20 16-19 23-16 14-23 26-19  
#49A: 10-14 22-18 12-16 24-20 16-19 23-16 14-23 26-19 8-12 25-22

#49: 10-14 22-18 11-16 25-22 16-20  
#116: 11-16 22-18 16-20 25-22 10-14

#49: 10-14 22-18 11-16 25-22 16-20 24-19  
#124: 11-16 24-19 16-20 22-18 10-14 25-22

#49: 10-14 22-18 11-16 25-22 16-20 24-19 8-11  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 10-14  
#123: 11-16 24-19 8-11 22-18 10-14 25-22 16-20

#49: 10-14 22-18 11-16 25-22 16-20 29-25 8-11  
#114: 11-16 22-18 8-11 25-22 16-20 29-25 10-14

#49: 10-14 22-18 11-16 26-22  
#120: 11-16 23-18 10-14 26-23

**#49A: 10-14 22-18 12-16**

#49A: 10-14 22-18 12-16 24-20 16-19 23-16 14-23 26-19 8-12 25-22  
#49: 10-14 22-18 11-16 25-22 8-11 24-20 16-19 23-16 14-23 26-19

#49A: 10-14 22-18 12-16 24-20 16-19 23-16 14-23 26-19 8-12 25-22 6-10  
#47: 10-14 22-18 6-10 25-22 12-16 24-20 16-19 23-16 14-23 26-19 8-12

**#50A: 10-14 23-19 6-10**

#50A: 10-14 23-19 6-10 22-17  
#27: 9-14 22-17 6-9 23-19

#50A: 10-14 23-19 6-10 27-23  
#53: 10-14 24-19 6-10 27-24

**#50B: 10-14 23-19 7-10**

#50B: 10-14 23-19 7-10 24-20  
#58: 10-14 24-20 7-10 23-19

#50B: 10-14 23-19 7-10 27-23  
#54: 10-14 24-19 7-10 27-24

**#51: 10-14 23-19 11-16**

#51: 10-14 23-19 11-16 19-15 16-20 24-19  
#121: 11-16 23-18 16-20 24-19 10-14 18-15

#51: 10-14 23-19 11-16 19-15 16-20 26-23  
#49: 10-14 22-18 11-16 18-15 16-20 26-22  
#120: 11-16 23-18 10-14 26-23 16-20 18-15

#51: 10-14 23-19 11-16 26-23 6-10  
#36: 9-14 23-19 11-16 26-23 6-9

#51: 10-14 23-19 11-16 26-23 9-13  
#15: 9-13 23-19 10-14 26-23 11-16  
#16: 9-13 23-19 11-16 26-23 10-14

#51: 10-14 23-19 11-16 27-23  
#55: 10-14 24-19 11-16 27-24

**#52: 10-14 23-19 14-18**

#52: 10-14 23-19 14-18 22-15 11-18 19-15 12-16 21-17 9-13 17-14 16-19 24-20  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14 18-15 14-18 21-17 9-13 17-14

#52: 10-14 23-19 14-18 22-15 11-18 19-15 12-16 24-20 16-19  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14 18-15 14-18

**#53: 10-14 24-19 6-10**

#53: 10-14 24-19 6-10 22-17  
#27: 9-14 22-17 6-9 24-19

#53: 10-14 24-19 6-10 22-17 9-13 25-22 11-15 30-25  
#2: 9-13 21-17 6-9 25-21 11-15 30-25 9-14 24-19

#53: 10-14 24-19 6-10 22-17 11-15 26-22  
#27: 9-14 22-17 6-9 26-22 11-15 24-19

#53: 10-14 24-19 6-10 22-18  
#47: 10-14 22-18 6-10 24-19

#53: 10-14 24-19 6-10 27-24  
#50A: 10-14 23-19 6-10 27-23

#53: 10-14 24-19 6-10 27-24 9-13  
#15: 9-13 23-19 10-14 27-23 6-10  
#18: 9-13 24-19 6-9 27-24 9-14

#53: 10-14 24-19 6-10 27-24 9-13 22-18 5-9  
#13: 9-13 23-19 5-9 22-18 10-14 27-23 6-10

#53: 10-14 24-19 6-10 27-24 9-13 22-18 5-9 25-22 1-5 24-20  
#21: 9-13 24-20 5-9 22-18 10-14 27-24 6-10 24-19 1-5 25-22

#53: 10-14 24-19 6-10 27-24 11-15  
#100: 11-15 23-19 9-14 27-23 6-9

**#54: 10-14 24-19 7-10**

#54: 10-14 24-19 7-10 22-17  
#45: 10-14 22-17 7-10 24-19

#54: 10-14 24-19 7-10 22-17 9-13 25-22  
#45: 10-14 22-17 7-10 25-22 9-13 24-19

#54: 10-14 24-19 7-10 22-18  
#47A: 10-14 22-18 7-10 24-19

#54: 10-14 24-19 7-10 27-24  
#50B: 10-14 23-19 7-10 27-23

#54: 10-14 24-19 7-10 27-24 11-15 24-20  
#58: 10-14 24-20 7-10 27-24 11-15 24-19

#54: 10-14 24-19 7-10 28-24 11-16  
#55: 10-14 24-19 11-16 28-24 7-10

**#55: 10-14 24-19 11-16**

#55: 10-14 24-19 11-16 22-18  
#49: 10-14 22-18 11-16 24-19

#55: 10-14 24-19 11-16 22-18 8-11  
#123: 11-16 24-19 8-11 22-18 10-14

#55: 10-14 24-19 11-16 22-18 16-20  
#124: 11-16 24-19 16-20 22-18 10-14

#55: 10-14 24-19 11-16 27-24  
#51: 10-14 23-19 11-16 27-23

#55: 10-14 24-19 11-16 28-24 7-10  
#54: 10-14 24-19 7-10 28-24 11-16

**#56: 10-14 24-19 14-18**

#56: 10-14 24-19 14-18 22-15 11-18 23-14 9-18 21-17  
#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 24-19

**#57: 10-14 24-20 6-10**

#57: 10-14 24-20 6-10 22-17  
#27: 9-14 22-17 6-9 24-20

#57: 10-14 24-20 6-10 22-18  
#47: 10-14 22-18 6-10 24-20

#57: 10-14 24-20 6-10 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-6  
#41: 9-14 24-20 5-9 22-18 10-15 28-24 15-22 26-10 7-14 25-22 1-5

#57: 10-14 24-20 6-10 22-18 11-15 18-11 8-15  
#48: 10-14 22-18 11-15 18-11 8-15 24-20 6-10

**#58: 10-14 24-20 7-10**

#58: 10-14 24-20 7-10 22-17  
#45: 10-14 22-17 7-10 24-20  
  
#58: 10-14 24-20 7-10 22-18  
#47A: 10-14 22-18 7-10 24-20  
  
#58: 10-14 24-20 7-10 22-18 9-13  
#23: 9-13 24-20 10-14 22-18 7-10  
  
#58: 10-14 24-20 7-10 23-19  
#50B: 10-14 23-19 7-10 24-20  
  
#58: 10-14 24-20 7-10 27-24 11-15 24-19  
#54: 10-14 24-19 7-10 27-24 11-15 24-20

**#59: 10-14 24-20 11-15**

#59: 10-14 24-20 11-15 22-18 15-22 25-18  
#92: 11-15 22-18 15-22 25-18 10-14 24-20  
  
#59: 10-14 24-20 11-15 28-24 8-11  
#102: 11-15 24-20 8-11 28-24 10-14

**#61: 10-14 24-20 14-18**

#61: 10-14 24-20 14-18 22-15 11-18 23-14 9-18 21-17  
#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 24-20  
  
#61: 10-14 24-20 14-18 22-15 11-18 23-14 9-18 21-17 8-11 17-14  
#88: 11-15 22-17 8-11 17-14 10-17 21-14 9-18 23-14 15-18 24-20

**#62: 10-15 21-17 6-10**

#62: 10-15 21-17 6-10 23-19  
#78: 10-15 23-19 6-10 21-17  
  
#62: 10-15 21-17 6-10 24-20  
#81: 10-15 24-20 6-10 21-17  
  
#62: 10-15 21-17 6-10 25-21  
#67: 10-15 22-17 6-10 25-22

**#63: 10-15 21-17 7-10**

#63: 10-15 21-17 7-10 17-14 10-17 22-13 11-16  
#105: 11-16 21-17 7-11 17-14 10-17 22-13 11-15  
  
#63: 10-15 21-17 7-10 25-21  
#68: 10-15 22-17 7-10 25-22

**#64: 10-15 21-17 9-13**

#64: 10-15 21-17 9-13 17-14 15-18 22-15 11-18  
#89: 11-15 22-17 9-13 17-14 10-17 21-14 15-18  
  
#64: 10-15 21-17 9-13 23-18  
#10: 9-13 23-18 10-15 21-17



#64: 10-15 21-17 9-13 24-20  
#24: 9-13 24-20 10-15 21-17

**#65: 10-15 21-17 11-16**

#65: 10-15 21-17 11-16 17-13 16-20  
#109: 11-16 21-17 16-20 17-13 10-15

#65: 10-15 21-17 11-16 17-13 16-20 23-18 8-11 26-23  
#129: 12-16 21-17 16-20 17-13 8-12 22-18 10-15 26-22

#65: 10-15 21-17 11-16 17-13 16-20 24-19 15-24 28-19  
#80: 10-15 24-19 15-24 28-19 11-16 21-17 16-20 17-13

#65: 10-15 21-17 11-16 22-18 15-22 25-18 16-20 17-13  
#65: 10-15 21-17 11-16 17-13 16-20 22-18 15-22 25-18

#65: 10-15 21-17 11-16 23-18 16-20 18-11 8-15  
#76: 10-15 23-18 11-16 18-11 8-15 21-17 16-20

#65: 10-15 21-17 11-16 25-21  
#70: 10-15 22-17 11-16 25-22

**#66: 10-15 21-17 15-18**

#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 17-14 8-11  
#88: 11-15 22-17 8-11 17-14 9-18 23-14 10-17 21-14 15-18

#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 24-19  
#56: 10-14 24-19 14-18 22-15 11-18 23-14 9-18 21-17

#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 24-20  
#61: 10-14 24-20 14-18 22-15 11-18 23-14 9-18 21-17

**#67: 10-15 22-17 6-10**

#67: 10-15 22-17 6-10 23-19  
#78: 10-15 23-19 6-10 22-17

#67: 10-15 22-17 6-10 24-20  
#81: 10-15 24-10 6-10 22-17

#67: 10-15 22-17 6-10 25-22  
#62: 10-15 21-17 6-10 25-21

**#68: 10-15 22-17 7-10**

#68: 10-15 22-17 7-10 17-14 9-18 23-14 10-17 21-14 11-16  
#110: 11-16 22-17 7-11 17-14 10-17 21-14 9-18 23-14 11-15

#68: 10-15 22-17 7-10 17-14 9-18 23-14 10-17 21-14 11-16 25-21 3-7  
#113: 11-16 22-18 7-11 18-14 10-17 21-14 9-18 23-14 3-7 25-21 11-15

#68: 10-15 22-17 7-10 23-19  
#79: 10-15 23-19 7-10 22-17

#68: 10-15 22-17 7-10 24-20  
#82: 10-15 24-20 7-10 22-17

#68: 10-15 22-17 7-10 25-22  
#63: 10-15 21-17 7-10 25-21

#68: 10-15 22-17 7-10 25-22 9-14  
#28: 9-14 22-17 11-15 25-22 7-11  
#86: 11-15 21-17 9-14 25-21 7-11  
  
#68: 10-15 22-17 7-10 25-22 9-14 24-20  
#42: 9-14 24-20 10-15 22-17 7-10 25-22

**#69: 10-15 22-17 9-13**

#69: 10-15 22-17 9-13 17-14  
#5: 9-13 22-18 10-15 18-14  
  
#69: 10-15 22-17 9-13 17-14 11-16 23-18 15-22 25-18 8-11  
#70: 10-15 22-17 11-16 23-18 15-22 25-18 8-11 17-14 9-13  
  
#69: 10-15 22-17 9-13 24-19 15-24 28-19 13-22 25-18  
#3: 9-13 22-17 13-22 25-18 10-15 24-19 15-24 28-19

**#70: 10-15 22-17 11-16**

#70: 10-15 22-17 11-16 23-18 15-22 25-18 8-11 17-14 9-13  
#69: 10-15 22-17 9-13 17-14 11-16 23-18 15-22 25-18 8-11  
  
#70: 10-15 22-17 11-16 25-22  
#65: 10-15 21-17 11-16 25-21

**#72: 10-15 22-18 15-22**

#72: 10-15 22-18 15-22 25-18 6-10  
#3: 9-13 22-17 13-22 25-18 6-9  
  
#72: 10-15 22-18 15-22 25-18 6-10 23-19  
#78: 10-15 23-19 6-10 22-18 15-22 25-18  
  
#72: 10-15 22-18 15-22 25-18 6-10 24-19  
#18: 9-13 24-19 6-9 22-17 13-22 25-18  
  
#72: 10-15 22-18 15-22 25-18 9-13 23-19 7-10  
#99: 11-15 23-19 9-13 22-18 15-22 25-18 7-11  
  
#72: 10-15 22-18 15-22 25-18 9-13 24-19  
#5: 9-13 22-18 10-15 24-19 15-22 25-18  
  
#72: 10-15 22-18 15-22 25-18 11-15  
#92: 11-15 22-18 15-22 25-18 10-15

**#73: 10-15 23-18 6-10**

#73: 10-15 23-18 6-10 24-20  
#81: 10-15 24-20 6-10 23-18

**#74: 10-15 23-18 7-10**

#74: 10-15 23-18 7-10 24-20  
#82: 10-15 24-20 7-10 23-18  
  
#74: 10-15 23-18 7-10 26-23 10-14  
#47A: 10-14 22-18 7-10 26-22 10-15  
  
#74: 10-15 23-18 7-10 27-23 3-7 24-20  
#82: 10-15 24-20 7-10 23-18 3-7 27-23

**#75: 10-15 23-18 9-14**

#75: 10-15 23-18 9-14 18-9 5-14 22-17 7-10 24-20  
#82: 10-15 24-20 7-10 23-18 9-14 18-9 5-14 22-17

#75: 10-15 23-18 9-14 18-9 5-14 22-18  
#31: 9-14 22-18 10-15 18-9 5-14 23-18

#75: 10-15 23-18 9-14 18-9 5-14 26-23  
#31: 9-14 22-18 10-15 18-9 5-14 26-22

**#76: 10-15 23-18 11-16**

#76: 10-15 23-18 11-16 18-11 8-15 21-17 16-20  
#65: 10-15 21-17 11-16 23-18 16-20 18-11 8-15

**#77: 10-15 23-18 12-16**

#77: 10-15 23-18 12-16 21-17 9-13 24-20  
#24: 9-13 24-20 10-15 23-18 12-16 21-17

**#78: 10-15 23-19 6-10**

#78: 10-15 23-19 6-10 21-17  
#62: 10-15 21-17 6-10 23-19

#78: 10-15 23-19 6-10 22-17  
#67: 10-15 22-17 6-10 23-19

#78: 10-15 23-19 6-10 22-18 15-22 25-18  
#72: 10-15 22-18 15-22 25-18 6-10 23-19

**#79: 10-15 23-19 7-10**

#79: 10-15 23-19 7-10 22-18 15-22 25-18 9-13  
#99: 11-15 23-19 9-13 22-18 15-22 25-18 7-11

#79: 10-15 23-19 7-10 22-17  
#68: 10-15 22-17 7-10 23-19

#79: 10-15 23-19 7-10 26-23 9-14 22-17  
#100: 11-15 23-19 9-14 22-17 7-11 26-23

**#80: 10-15 24-19 15-24**

#80: 10-15 24-19 15-24 27-20 11-15  
#101: 11-15 24-19 15-24 27-20 10-15

#80: 10-15 24-19 15-24 28-19 9-14 22-18 5-9 26-22 7-10  
#101: 11-15 24-19 15-24 28-19 9-14 22-18 5-9 26-22 7-11

#80: 10-15 24-19 15-24 28-19 11-16 21-17 16-20 17-13  
#65: 10-15 21-17 11-16 17-13 16-20 24-19 15-24 28-19

**#81: 10-15 24-20 6-10**

#81: 10-15 24-20 6-10 21-17  
#62: 10-15 21-17 6-10 24-20

#81: 10-15 24-20 6-10 22-17  
#67: 10-15 22-17 6-10 24-20

#81: 10-15 24-20 6-10 23-18  
#73: 10-15 23-18 6-10 24-20

**#82: 10-15 24-20 7-10**

#82: 10-15 24-20 7-10 22-17  
#68: 10-15 22-17 7-10 24-20  
  
#82: 10-15 24-20 7-10 23-18  
#74: 10-15 23-18 7-10 24-20  
  
#82: 10-15 24-20 7-10 23-18 3-7 27-23  
#74: 10-15 23-18 7-10 27-23 3-7 24-20  
  
#82: 10-15 24-20 7-10 23-18 9-14 18-9 5-14 22-17  
#75: 10-15 23-18 9-14 18-9 5-14 22-17 7-10 24-20  
  
#82: 10-15 24-20 7-10 27-24 3-7  
#102: 11-15 24-20 8-11 27-24 3-8  
  
#82: 10-15 24-20 7-10 28-24 3-7  
#102: 11-15 24-20 8-11 28-24 3-8

**#83: 10-15 24-20 15-19**

#83: 10-15 24-20 15-19 23-16 12-19 22-18 9-14 18-9 5-14 25-22 11-15  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 9-14 18-9 5-14 25-22 10-15

**#84: 11-15 21-17 8-11**

#84: 11-15 21-17 8-11 17-13 4-8 23-19 9-14 25-21  
#98: 11-15 23-19 8-11 22-17 4-8 17-13 9-14 25-22  
  
#84: 11-15 21-17 8-11 17-13 9-14 25-21  
#88: 11-15 22-17 8-11 25-22 9-14 17-13  
  
#84: 11-15 21-17 8-11 17-13 11-16  
#106: 11-16 21-17 8-11 17-13 11-15  
  
#84: 11-15 21-17 8-11 17-13 11-16 24-19 15-24 28-19 9-14 25-21  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19 15-24 28-19  
  
#84: 11-15 21-17 8-11 17-13 11-16 25-21 9-14  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16  
  
#84: 11-15 21-17 8-11 23-19  
#98: 11-15 23-19 8-11 21-17  
  
#84: 11-15 21-17 8-11 25-21  
#88: 11-15 22-17 8-11 25-22

**#85: 11-15 21-17 9-13**

#85: 11-15 21-17 9-13 23-19  
#99: 11-15 23-19 9-13 21-17  
  
#85: 11-15 21-17 9-13 25-21  
#89: 11-15 22-17 9-13 25-22  
  
#85: 11-15 21-17 9-13 25-21 5-9  
#1: 9-13 21-17 5-9 25-21 11-15

#85: 11-15 21-17 9-13 25-21 6-9  
#2: 9-13 21-17 6-9 25-21 11-15

#85: 11-15 21-17 9-13 25-21 8-11  
#88: 11-15 22-17 8-11 25-22 9-13

#85: 11-15 21-17 9-13 25-21 8-11 17-14 10-17 21-14  
#89: 11-15 22-17 9-13 17-14 10-17 21-14 8-11 25-22

#85: 11-15 21-17 9-13 25-21 8-11 23-19  
#98: 11-15 23-19 9-13 22-17 9-13 25-22

#85: 11-15 21-17 9-13 25-21 8-11 24-19 15-24 28-19 5-9  
#1: 9-13 21-17 5-9 25-21 11-15 24-19 15-24 28-19 8-11

#85: 11-15 21-17 9-13 25-21 15-19  
#107: 11-16 21-17 9-13 25-21 16-19

#85: 11-15 21-17 9-13 25-21 15-19 24-15 10-19 23-16 12-19  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-13

**#86: 11-15 21-17 9-14**

#86: 11-15 21-17 9-14 25-21  
#28: 9-14 22-17 11-15 25-22

#86: 11-15 21-17 9-14 25-21 7-11  
#68: 10-15 22-17 7-10 25-22 9-14  
#28: 9-14 22-17 11-15 25-22 7-11

#86: 11-15 21-17 9-14 25-21 8-11  
#88: 11-15 22-17 8-11 25-22 9-14

**#87: 11-15 21-17 15-19**

#87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 22-18  
#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 21-17

#87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 25-21  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22

**#88: 11-15 22-17 8-11**

#88: 11-15 22-17 8-11 17-13 4-8 23-19  
#98: 11-15 23-19 8-11 22-17 4-8 17-13

#88: 11-15 22-17 8-11 17-13 4-8 25-22 15-19 24-15 10-19 23-16 12-19  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 8-11 17-13 4-8

#88: 11-15 22-17 8-11 17-13 11-16 24-19  
#111: 11-16 22-17 8-11 24-19 11-15 17-13

#88: 11-15 22-17 8-11 17-13 11-16 24-19 15-24 28-19 9-14 25-22  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19 15-24 28-19

#88: 11-15 22-17 8-11 17-14 9-18 23-14 10-17 21-14 4-8 26-23 15-19  
#114: 11-16 22-18 8-11 18-14 9-18 23-14 10-17 21-14 4-8 26-23 16-19

#88: 11-15 22-17 8-11 17-14 9-18 23-14 10-17 21-14 15-18  
#66: 10-15 21-17 15-18 22-15 11-18 23-14 9-18 17-14 8-11

#88: 11-15 22-17 8-11 17-14 9-18 23-14 10-17 21-14 15-18 24-20  
#61: 10-14 24-20 14-18 22-15 11-18 23-14 9-18 21-17 8-11 17-14

#88: 11-15 22-17 8-11 23-19  
#98: 11-15 23-19 8-11 22-17

#88: 11-15 22-17 8-11 24-20  
#102: 11-15 24-20 8-11 22-17

#88: 11-15 22-17 8-11 25-22  
#84: 11-15 21-17 8-11 25-21

#88: 11-15 22-17 8-11 25-22 9-13  
#85: 11-15 21-17 9-13 25-21 8-11

#88: 11-15 22-17 8-11 25-22 9-14  
#28: 9-14 22-17 11-15 25-22 8-11  
#86: 11-15 21-17 9-14 25-21 8-11

#88: 11-15 22-17 8-11 25-22 9-14 17-13  
#84: 11-15 21-17 8-11 17-13 9-24 25-21

#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16  
#29: 9-14 22-17 11-16 25-22 8-11 17-13 11-15  
#84: 11-15 21-17 8-11 17-13 11-16 25-21 9-14

#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19  
#29: 9-14 22-17 11-16 25-22 8-11 24-19 11-15 17-13  
#111: 11-16 22-17 8-11 24-19 9-14 17-13 11-15 25-22

#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19 15-24 28-19  
#84: 11-15 21-17 8-11 17-13 11-16 24-19 15-24 28-19 9-14 25-21  
#111: 11-16 22-17 8-11 25-22 11-15 24-19 15-24 28-19 9-14 17-13

#88: 11-15 22-17 8-11 25-22 9-14 23-19  
#98: 11-15 23-19 8-11 22-17 9-14 25-22

#88: 11-15 22-17 8-11 25-22 4-8 23-19  
#98: 11-15 23-19 8-11 22-17 4-8 25-22

#89: 11-15 22-17 9-13

#89: 11-15 22-17 9-13 17-14 10-17 21-14 8-11 23-19  
#98: 11-15 23-19 8-11 22-17 9-13 17-14 10-17 21-14

#89: 11-15 22-17 9-13 17-14 10-17 21-14 8-11 25-22  
#85: 11-15 21-17 9-13 25-21 8-11 17-14 10-17 21-14

#89: 11-15 22-17 9-13 17-14 10-17 21-14 15-18  
#64: 10-15 21-17 9-13 17-14 15-18 22-15 11-18

#89: 11-15 22-17 9-13 23-19  
#99: 11-15 23-19 9-13 22-17

#89: 11-15 22-17 9-13 24-19  
#19: 9-13 24-19 11-15 22-17

#89: 11-15 22-17 9-13 24-20  
#25: 9-13 24-20 11-15 22-17

#89: 11-15 22-17 9-13 25-22  
#85: 11-15 21-17 9-13 25-21

**#91: 11-15 22-17 15-19** (in Kear's Encyc. under 11-16 22-17 16-19)

#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22  
#87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 25-21

#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 8-11 17-13 4-8  
#88: 11-15 22-17 8-11 17-13 4-8 25-22 15-19 24-15 10-19 23-16 12-19

#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-13  
#85: 11-15 21-17 9-13 25-21 15-19 24-15 10-19 23-16 10-19  
#107: 11-16 21-17 9-13 25-21 16-19 23-16 12-19 24-15 10-19

#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-14  
#28: 9-14 22-17 11-15 25-22 15-19 23-16 12-19 24-15 10-19

**#92: 11-15 22-18 15-22**

#92: 11-15 22-18 15-22 25-18 8-11 23-19  
#98: 11-15 23-19 8-11 22-18 15-22 25-18

#92: 11-15 22-18 15-22 25-18 8-11 24-20  
#102: 11-15 24-20 8-11 22-18 15-22 25-18

#92: 11-15 22-18 15-22 25-18 9-13 23-19  
#99: 11-15 23-19 9-13 22-18 15-22 25-18

#92: 11-15 22-18 15-22 25-18 10-14 24-20  
#59: 10-14 24-20 11-15 22-18 15-22 25-18

#92: 11-15 22-18 15-22 25-18 10-15  
#72: 10-15 22-18 15-22 25-18 11-15

**#93: 11-15 23-18 8-11**

#93: 11-15 23-18 8-11 24-20  
#102: 11-15 24-20 8-11 23-18

#93: 11-15 23-18 8-11 26-23 9-13 23-19  
#99: 11-15 23-19 9-13 26-23 8-11 23-18

#93: 11-15 23-18 8-11 26-23 10-14 24-19 15-24 28-19  
#101: 11-15 24-19 15-24 28-19 8-11 22-18 10-14 26-22

#93: 11-15 23-18 8-11 27-23 9-13 24-20  
#25: 9-13 24-20 11-15 23-18 8-11 27-23

#93: 11-15 23-18 8-11 27-23 10-14 23-19 14-23 19-10 7-14 26-19 4-8  
#93: 11-15 23-18 8-11 27-23 4-8 23-19 10-14 19-10 14-23 26-19 7-14

**#94: 11-15 23-18 9-14**

#94: 11-15 23-18 9-14 18-9 5-14 24-20 15-19  
#119: 11-16 23-18 9-14 18-9 5-14 24-20 16-19

**#95: 11-15 23-18 10-14**

#95: 11-15 23-18 10-14 18-11 8-15 22-17 6-10 26-23  
#48: 10-14 22-18 11-15 18-11 8-15 26-22 6-10 22-17

#95: 11-15 23-18 10-14 18-11 8-15 22-18  
#48: 10-14 22-18 11-15 18-11 8-15 23-18

#95: 11-15 23-18 10-14 18-11 8-15 26-23  
#48: 10-14 22-18 11-15 18-11 8-15 26-22

**#98: 11-15 23-19 8-11**

#98: 11-15 23-19 8-11 21-17  
#84: 11-15 22-17 8-11 23-19

#98: 11-15 23-19 8-11 21-17 9-13 17-14 10-17 19-10 7-14 25-21  
#98: 11-15 23-19 8-11 22-17 9-13 17-14 10-17 19-10 7-14 25-22

#98: 11-15 23-19 8-11 22-17  
#88: 11-15 22-17 8-11 23-19

#98: 11-15 23-19 8-11 22-17 4-8 17-13  
#88: 11-15 22-17 8-11 17-13 4-8 23-19

#98: 11-15 23-19 8-11 22-17 4-8 17-13 9-14 25-22  
#84: 11-15 21-17 8-11 17-13 4-8 23-19 9-14 25-21

#98: 11-15 23-19 8-11 22-17 4-8 25-22  
#88: 11-15 22-17 8-11 25-22 4-8 23-19

#98: 11-15 23-19 8-11 22-17 9-13 17-14 10-17 21-14  
#89: 11-15 22-17 9-13 17-14 10-17 21-14 8-11 23-19

#98: 11-15 23-19 8-11 22-17 9-13 25-22  
#85: 11-15 21-17 9-13 25-21 8-11 23-19

#98: 11-15 23-19 8-11 22-17 9-13 25-22 5-9  
#99: 11-15 23-19 9-13 21-17 5-9 25-21 8-11

#98: 11-15 23-19 8-11 22-17 9-14  
#100: 11-15 23-19 9-14 22-17 8-11

#98: 11-15 23-19 8-11 22-17 9-14 25-22  
#88: 11-15 22-17 8-11 25-22 9-14 23-19

#98: 11-15 23-19 8-11 22-17 9-14 25-22 6-9 17-13 2-6  
#100: 11-15 23-19 9-14 22-17 6-9 17-13 2-6 25-22 8-11

#98: 11-15 23-19 8-11 22-18 15-22 25-18  
#92: 11-15 22-18 15-22 25-18 8-11 23-19

#98: 11-15 23-19 8-11 27-23 9-14  
#100: 11-15 23-19 9-14 27-23 8-11

**#99: 11-15 23-19 9-13**

#99: 11-15 23-19 9-13 21-17  
#85: 11-15 21-17 9-13 23-19



#99: 11-15 23-19 9-13 21-17 5-9 25-21 8-11  
#98: 11-15 23-19 8-11 22-17 9-13 25-22 5-9

#99: 11-15 23-19 9-13 22-17  
#89: 11-15 22-17 9-13 23-19

#99: 11-15 23-19 9-13 22-18 15-22 25-18  
#92: 11-15 22-18 15-22 25-18 9-13 23-19

#99: 11-15 23-19 9-13 22-18 15-22 25-18 7-11  
#72: 10-15 22-18 15-22 25-18 9-13 23-19 7-10  
#79: 10-15 23-19 7-10 22-18 15-22 25-18 9-13

#99: 11-15 23-19 9-13 26-23 8-11 23-18  
#93: 11-15 23-18 8-11 26-23 9-13 23-19

#99: 11-15 23-19 9-13 27-23  
#19: 9-13 24-19 11-15 27-24

**#100: 11-15 23-19 9-14**

#100: 11-15 23-19 9-14 22-17  
#28: 9-14 22-17 11-15 23-19

#100: 11-15 23-19 9-14 22-17 5-9  
#26: 9-14 22-17 5-9 23-19 11-15  
#35: 9-14 23-19 5-9 22-17 11-15

#100: 11-15 23-19 9-14 22-17 6-9 17-13 2-6 25-22 8-11  
#98: 11-15 23-19 8-11 22-17 9-14 25-22 6-9 17-13 2-6

#100: 11-15 23-19 9-14 22-17 7-11 25-22 11-16 27-23 16-20 32-27  
#122: 11-16 24-19 7-11 28-24 16-20 22-17 9-14 32-28 11-15 25-22

#100: 11-15 23-19 9-14 22-17 7-11 26-23  
#79: 10-15 23-19 7-10 26-23 9-14 22-17

#100: 11-15 23-19 9-14 22-17 8-11  
#98: 11-15 23-19 8-11 22-17 9-14

#100: 11-15 23-19 9-14 27-23  
#39: 9-14 24-19 11-15 27-24

#100: 11-15 23-19 9-14 27-23 5-9  
#35: 9-14 23-19 5-9 27-23 11-15  
#38: 9-14 24-19 5-9 27-24 11-15

#100: 11-15 23-19 9-14 27-23 6-9  
#53: 10-14 24-19 6-10 27-24 11-15

#100: 11-15 23-19 9-14 27-23 8-11  
#98: 11-15 23-19 8-11 27-23 9-14

#100: 11-15 23-19 9-14 27-23 8-11 22-18 15-22 25-9 5-14  
#48: 10-14 22-18 11-15 18-11 8-15 24-19 15-24 28-19 6-10 25-22 C.R.

**#101: 11-15 24-19 15-24**

#101: 11-15 24-19 15-24 27-20 9-14 22-18 8-11 18-9 5-14  
#32: 9-14 22-18 11-15 18-9 5-14 24-19 15-24 27-20 8-11

#101: 11-15 24-19 15-24 27-20 10-15  
#80: 10-15 24-19 15-24 27-20 11-15

#101: 11-15 24-19 15-24 28-19 8-11 22-18 9-14 18-9 5-14  
#39: 9-14 24-19 11-15 22-18 15-24 18-9 5-14 28-19 8-11

#101: 11-15 24-19 15-24 28-19 8-11 22-18 10-14 26-22  
#93: 11-15 23-18 8-11 26-23 10-14 24-19 15-24 28-19

#101: 11-15 24-19 15-24 28-19 9-14 22-18 5-9 26-22 7-11  
#80: 10-15 24-19 15-24 28-19 9-14 22-18 5-9 26-22 7-10

#101: 11-15 24-19 15-24 28-19 9-14 22-18 8-11 18-9 5-14  
#32: 9-14 22-18 11-15 18-9 5-14 24-19 15-24 28-19 8-11

**#102: 11-15 24-20 8-11**

#102: 11-15 24-20 8-11 22-17  
#88: 11-15 22-17 8-11 24-20

#102: 11-15 24-20 8-11 22-18 15-22 25-18  
#92: 11-15 22-18 15-22 25-18 8-11 24-20

#102: 11-15 24-20 8-11 23-18  
#93: 11-15 23-18 8-11 24-20

#102: 11-15 24-20 8-11 27-24 3-8  
#82: 10-15 24-20 7-10 27-24 3-7

#102: 11-15 24-20 8-11 28-24 3-8  
#82: 10-15 24-20 7-10 28-24 3-7

#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17  
#42: 9-14 24-20 10-15 22-17 7-10 28-24 3-7 23-19

#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9  
#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 22-17 3-7

#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 17-13  
#42: 9-14 24-20 10-15 22-17 7-10 28-24 5-9 17-13 3-7 23-19

#102: 11-15 24-20 8-11 28-24 3-8 23-19 9-14 22-17 5-9 26-23  
#41: 9-14 24-20 5-9 28-24 11-15 23-19 7-11 26-23 3-7 22-17

#102: 11-15 24-20 8-11 28-24 9-13 23-18 6-9  
#22: 9-13 24-20 6-9 28-24 11-15 23-18 8-11

#102: 11-15 24-20 8-11 28-24 10-14  
#59: 10-14 24-20 11-15 28-24 8-11

**#103: 11-15 24-20 12-16**

#103: 11-15 24-20 12-16 20-11 7-16 21-17 9-13  
#126: 12-16 21-17 9-13 24-20 11-15 20-11 7-16

**#105: 11-16 21-17 7-11**

#105: 11-16 21-17 7-11 17-13 3-7 24-19  
#122: 11-16 24-19 7-11 21-17 3-7 17-13

#105: 11-16 21-17 7-11 17-14 10-17 22-13 11-15  
#63: 10-15 21-17 7-10 17-14 10-17 22-13 11-16

#105: 11-16 21-17 7-11 24-19  
#122: 11-16 24-19 7-11 21-17

#105: 11-16 21-17 7-11 24-20  
124A: 11-16 24-20 7-11 21-17

#105: 11-16 21-17 7-11 25-21  
#110: 11-16 22-17 7-11 25-22

**#106: 11-16 21-17 8-11**

#106: 11-16 21-17 8-11 17-13 4-8 24-19 16-20 22-18 9-14  
#129: 12-16 21-17 16-20 17-13 9-14 24-19 8-12 22-18 4-8

#106: 11-16 21-17 8-11 17-13 11-15  
#84: 11-15 21-17 8-11 17-13 11-16

#106: 11-16 21-17 8-11 17-13 16-20  
#109: 11-16 21-17 16-20 17-13 8-11  
#129: 12-16 21-17 16-20 17-13 8-12

#106: 11-16 21-17 8-11 25-21  
#111: 11-16 22-17 8-11 25-22

**#107: 11-16 21-17 9-13**

#107: 11-16 21-17 9-13 25-21 5-9  
#1: 9-13 21-17 5-9 25-21 11-16

#107: 11-16 21-17 9-13 25-21 5-9 23-18 1-5 27-23  
#8: 9-13 23-18 5-9 27-23 11-16 21-17 1-5 25-21

#107: 11-16 21-17 9-13 25-21 5-9 24-19 8-11  
#126: 12-16 21-17 9-13 25-21 5-9 24-19 8-12

#107: 11-16 21-17 9-13 25-21 5-9 24-19 8-11 28-24 9-14 24-20 3-8  
#126: 12-16 21-17 9-13 24-20 8-12 28-24 5-9 25-21 3-8 24-19 9-14

#107: 11-16 21-17 9-13 25-21 16-19  
#85: 11-15 21-17 9-13 25-21 15-19

#107: 11-16 21-17 9-13 25-21 16-19 23-16 12-19 24-15 10-19  
#91: 11-15 22-17 15-19 23-16 12-19 24-15 10-19 25-22 9-13

#108: 11-16 21-17 9-14

#108: 11-16 21-17 9-14 17-13 16-20  
#109: 11-16 21-17 16-20 17-13 9-14

#108: 11-16 21-17 9-14 25-21  
#29: 9-14 22-17 11-16 25-22

#108: 11-16 21-17 9-14 25-21 16-19  
#28: 9-14 22-17 11-15 25-22 15-19

**#109: 11-16 21-17 16-20**

#109: 11-16 21-17 16-20 17-13 8-11  
#106: 11-16 21-17 8-11 17-13 16-20  
#129: 12-16 21-17 16-20 17-13 8-12

#109: 11-16 21-17 16-20 17-13 9-14  
#108: 11-16 21-17 9-14 17-13 16-20

#109: 11-16 21-17 16-20 17-13 10-15  
#65: 10-15 21-17 11-16 17-13 16-20

#109: 11-16 21-17 16-20 25-21  
#112: 11-16 22-17 16-20 25-22

**#110: 11-16 22-17 7-11**

#110: 11-16 22-17 7-11 17-14  
#113: 11-16 22-18 7-11 18-14

#110: 11-16 22-17 7-11 17-14 10-17 21-14 9-18 23-14 11-15  
#68: 10-15 22-17 7-10 17-14 10-17 21-14 9-18 23-14 11-16

#110: 11-16 22-17 7-11 23-18  
#117: 11-16 23-18 7-11 22-17

#110: 11-16 22-17 7-11 24-19  
#122: 11-16 24-19 7-11 22-17

#110: 11-16 22-17 7-11 24-20  
124A: 11-16 24-20 7-11 22-17

#110: 11-16 22-17 7-11 25-22  
#105: 11-16 21-17 7-11 25-21

**#111: 11-16 22-17 8-11**

#111: 11-16 22-17 8-11 17-14  
#114: 11-16 22-18 8-11 18-14

#111: 11-16 22-17 8-11 23-18  
#118: 11-16 23-18 8-11 22-17

#111: 11-16 22-17 8-11 24-19  
#123: 11-16 24-19 8-11 22-17

#111: 11-16 22-17 8-11 24-19 9-14 17-13 11-15 25-22  
#29: 9-14 22-17 11-16 25-22 8-11 24-19 11-15 17-13  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19

#111: 11-16 22-17 8-11 24-19 9-14 25-22  
#29: 9-14 22-17 11-16 25-22 8-11 24-19

#111: 11-16 22-17 8-11 24-19 11-15 17-13  
#88: 11-15 22-17 8-11 17-13 11-16 24-19

#111: 11-16 22-17 8-11 25-22  
#106: 11-16 21-17 8-11 25-21

#111: 11-16 22-17 8-11 25-22 9-14  
#29: 9-14 22-17 11-16 25-22 8-11

#111: 11-16 22-17 8-11 25-22 11-15 24-19 15-24 28-19 9-14 17-13  
#84: 11-15 21-17 8-11 17-13 11-16 24-19 15-24 28-19 9-14 25-21  
#88: 11-15 22-17 8-11 25-22 9-14 17-13 11-16 24-19 15-24 28-19

#111: 11-16 22-17 8-11 25-22 16-20 22-18  
#112: 11-16 22-17 16-20 25-22 8-11 22-18  
#131: 12-16 22-17 16-20 25-22 8-12 22-18  
#114: 11-16 22-18 8-11 25-22 16-20 22-17

**#112: 11-16 22-17 16-20**

#112: 11-16 22-17 16-20 17-14  
#116: 11-16 22-18 16-20 18-14

#112: 11-16 22-17 16-20 17-14 9-18 23-14 10-17 21-14 8-11 24-19  
#123: 11-16 24-19 8-11 23-18 16-20 18-14 9-18 23-14 10-17 21-14

#112: 11-16 22-17 16-20 24-19  
#124: 11-16 24-19 16-20 22-17

#112: 11-16 22-17 16-20 25-22  
#109: 11-16 21-17 16-20 25-21

#112: 11-16 22-17 16-20 25-22 8-11 22-18  
#111: 11-16 22-17 8-11 25-22 16-20 22-18  
#131: 12-16 22-17 16-20 25-22 8-12 22-18  
#114: 11-16 22-18 8-11 25-22 16-20 22-17

#112: 11-16 22-17 16-20 25-22 8-11 30-25 9-14  
#29: 9-14 22-17 11-16 25-22 16-20 30-25 8-11

#112: 11-16 22-17 16-20 25-22 9-14 22-18 8-11  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14

**#113: 11-16 22-18 7-11**

#113: 11-16 22-18 7-11 18-14  
#110: 11-16 22-17 7-11 17-14

#113: 11-16 22-18 7-11 18-14 10-17 21-14 9-18 23-14 3-7 25-21 11-15  
#68: 10-15 22-17 7-10 17-14 9-18 23-14 10-17 21-14 11-16 25-21 3-7

#113: 11-16 22-18 7-11 24-19  
#122: 11-16 24-19 7-11 22-18

#113: 11-16 22-18 7-11 24-20  
124A: 11-16 24-20 7-11 22-18

#113: 11-16 22-18 7-11 25-22 3-7  
#114: 11-16 22-18 8-11 25-22 3-8

#113: 11-16 22-18 7-11 25-22 3-7 24-19  
#122: 11-16 24-19 7-11 22-18 3-7 25-22

#113: 11-16 22-18 7-11 25-22 3-7 24-20  
124A: 11-16 24-20 7-11 22-18 3-7 25-22

#113: 11-16 22-18 7-11 26-22  
#117: 11-16 23-18 7-11 26-23

**#114: 11-16 22-18 8-11**

#114: 11-16 22-18 8-11 18-14  
#111: 11-16 22-17 8-11 17-14

#114: 11-16 22-18 8-11 18-14 9-18 23-14 10-17 21-14 4-8 24-19  
#123: 11-16 24-19 8-11 22-18 4-8 18-14 9-18 23-14 10-17 21-14

#114: 11-16 22-18 8-11 18-14 9-18 23-14 10-17 21-14 4-8 26-23 16-19  
#88: 11-15 22-17 8-11 17-14 9-18 23-14 10-17 21-14 4-8 26-23 15-19

#114: 11-16 22-18 8-11 24-19  
#123: 11-16 24-19 8-11 22-18

#114: 11-16 22-18 8-11 24-20  
#137: 12-16 24-20 8-12 22-18

#114: 11-16 22-18 8-11 24-20 3-8  
124A: 11-16 24-20 7-11 22-18 3-7

#114: 11-16 22-18 8-11 24-20 16-19 23-16 12-19  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 8-11

#114: 11-16 22-18 8-11 25-22 3-8  
#113: 11-16 22-18 7-11 25-22 3-7

#114: 11-16 22-18 8-11 25-22 10-14  
#49: 10-14 22-18 11-16 25-22 8-11

#114: 11-16 22-18 8-11 25-22 16-20  
#116: 11-16 22-18 16-20 25-22 8-11  
#133: 12-16 22-18 16-20 25-22 8-12

#114: 11-16 22-18 8-11 25-22 16-20 22-17  
#111: 11-16 22-17 8-11 25-22 16-20 22-18  
#112: 11-16 22-17 16-20 25-22 8-11 22-18  
#131: 12-16 22-17 16-20 25-22 8-12 22-18

#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14  
#29: 9-14 22-17 11-16 25-22 8-11 22-18 16-20  
#29: 9-14 22-17 11-16 25-22 16-20 22-18 8-11  
#112: 11-16 22-17 16-20 25-22 9-14 22-18 8-11

#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14 18-9 5-14 29-25 11-15 26-22  
#119: 11-16 23-18 9-14 18-9 5-14 22-17 16-20 25-22 8-11 26-23 11-15 29-25

#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14  
#127: 12-16 21-17 9-14 25-21 16-20 22-18 8-12

#114: 11-16 22-18 8-11 25-22 16-20 24-19  
#124: 11-16 24-19 8-11 22-18 8-11 25-22  
#133: 12-16 22-18 16-20 24-19 8-12 25-22

#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8  
#123: 11-16 24-19 8-11 22-18 4-8 25-22 16-20

#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8 22-17 9-14 18-9 5-14  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14 18-9 5-14 24-19 4-8

#114: 11-16 22-18 8-11 25-22 16-20 24-19 9-13  
#20: 9-13 24-19 11-16 25-22 8-11 25-22 16-20

#114: 11-16 22-18 8-11 25-22 16-20 24-19 10-14  
#49: 10-14 22-18 11-16 25-22 16-20 24-19 8-11

#114: 11-16 22-18 8-11 25-22 16-20 29-25 10-14  
#49: 10-14 22-18 11-16 25-22 16-20 29-25 8-11

#114: 11-16 22-18 8-11 25-22 16-20 30-25  
#118: 11-16 23-18 8-11 26-23 16-20 30-26

#114: 11-16 22-18 8-11 26-22  
#118: 11-16 23-18 8-11 26-23

**#115: 11-16 22-18 16-19**

#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 18-15  
#134: 12-16 23-18 16-19 24-15 10-19 18-15 11-18 22-15

#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 21-17  
#87: 11-15 21-17 15-19 23-16 12-19 24-15 10-19 22-18

#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 25-22 8-11 29-25 9-14 18-9  
5-14  
#33: 9-14 22-18 11-16 18-9 5-14 25-22 16-19 23-16 12-19 24-15 10-19 29-25  
8-11

#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 25-22 9-14 18-9 5-14  
#33: 9-14 22-18 11-16 18-9 5-14 25-22 16-19 23-16 12-19 24-15 10-19

**#116: 11-16 22-18 16-20**

#116: 11-16 22-18 16-20 18-14  
#112: 11-16 22-17 16-20 17-14

#116: 11-16 22-18 16-20 24-19  
#124: 11-16 24-19 16-20 22-18

#116: 11-16 22-18 16-20 25-22 8-11  
#114: 11-16 22-18 8-11 25-22 16-20

#116: 11-16 22-18 16-20 25-22 10-14  
#49: 10-14 22-18 11-16 25-22 16-20

#116: 11-16 22-18 16-20 26-22  
#121: 11-16 23-18 16-20 26-23

**#117: 11-16 23-18 7-11**

#117: 11-16 23-18 7-11 22-17  
#110: 11-16 22-17 7-11 23-18

#117: 11-16 23-18 7-11 24-20  
124A: 11-16 24-20 7-11 23-18

#117: 11-16 23-18 7-11 26-23  
#113: 11-16 22-18 7-11 26-22

#117: 11-16 23-18 7-11 26-23 3-7 24-19  
#122: 11-16 24-19 7-11 22-18 3-7 26-22

**#118: 11-16 23-18 8-11**

#118: 11-16 23-18 8-11 22-17  
#111: 11-16 22-17 8-11 23-18

#118: 11-16 23-18 8-11 24-20  
#137: 12-16 24-20 8-12 23-18

#118: 11-16 23-18 8-11 26-23  
#114: 11-16 22-18 8-11 26-22

#118: 11-16 23-18 8-11 26-23 16-20 24-19 10-14  
#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11

#118: 11-16 23-18 8-11 26-23 16-20 30-26  
#114: 11-16 22-18 8-11 25-22 16-20 30-25

**#119: 11-16 23-18 9-14**

#119: 11-16 23-18 9-14 18-9 5-14 22-17 16-20 25-22 8-11 26-23 11-15 29-25  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14 18-9 5-14 29-25 11-15 26-22

#119: 11-16 23-18 9-14 18-9 5-14 24-20 16-19  
#94: 11-15 23-18 9-14 18-9 5-14 24-20 15-19

**#120: 11-16 23-18 10-14**

#120: 11-16 23-18 10-14 18-15  
#51: 10-14 23-19 11-16 19-15

#120: 11-16 23-18 10-14 18-15 16-20 24-19  
#121: 11-16 23-18 16-20 24-19 10-14 18-15

#120: 11-16 23-18 10-14 26-23  
#49: 10-14 22-18 11-16 26-22

#120: 11-16 23-18 10-14 26-23 7-10  
#47A: 10-14 22-18 7-10 26-22 11-16

#120: 11-16 23-18 10-14 26-23 16-20 18-15  
#49: 10-14 22-18 11-16 18-15 16-20 26-22  
#51: 10-14 23-19 11-16 19-15 16-20 26-23

#120: 11-16 23-18 10-14 26-23 16-20 24-19  
#121: 11-16 23-18 16-20 24-19 10-14 26-23

**#121: 11-16 23-18 16-20**

#121: 11-16 23-18 16-20 24-19  
#124: 11-16 24-19 16-20 23-18

#121: 11-16 23-18 16-20 24-19 10-14 18-15  
#51: 10-14 23-19 11-16 19-15 16-20 24-19  
#120: 11-16 23-18 10-14 18-15 16-20 24-19

#121: 11-16 23-18 16-20 24-19 10-14 26-23  
#120: 11-16 23-18 10-14 26-23 16-20 24-19  
#124: 11-16 24-19 16-20 22-18 10-14 26-22



#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11  
#118: 11-16 23-18 8-11 26-23 16-20 24-19 10-14  
#123: 11-16 24-19 8-11 22-18 10-14 26-22 16-20  
#133: 12-16 22-18 16-20 24-19 8-12 26-22 10-14

#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11 22-17 7-10  
#123: 11-16 24-19 8-11 22-18 10-14 26-22 7-10 22-17 16-20

#121: 11-16 23-18 16-20 26-23  
#116: 11-16 22-18 16-20 26-22

**#122: 11-16 24-19 7-11**

#122: 11-16 24-19 7-11 21-17  
#105: 11-16 21-17 7-11 24-19

#122: 11-16 24-19 7-11 21-17 3-7 17-13  
#105: 11-16 21-17 7-11 17-13 3-7 24-19

#122: 11-16 24-19 7-11 22-17  
#110: 11-16 22-17 7-11 24-19

#122: 11-16 24-19 7-11 22-18  
#113: 11-16 22-18 7-11 24-19

#122: 11-16 24-19 7-11 22-18 3-7  
#123: 11-16 24-19 8-11 22-18 3-8

#122: 11-16 24-19 7-11 22-18 3-7 25-22  
#113: 11-16 22-18 7-11 25-22 3-7 24-19

#122: 11-16 24-19 7-11 22-18 3-7 26-22  
#117: 11-16 23-18 7-11 26-23 3-7 24-19

#122: 11-16 24-19 7-11 28-24 16-20 22-17 9-14 32-28 11-15 25-22  
#100: 11-15 23-19 9-14 22-17 7-11 25-22 11-16 27-23 16-20 32-27

**#123: 11-16 24-19 8-11**

#123: 11-16 24-19 8-11 22-17  
#111: 11-16 22-17 8-11 24-19

#123: 11-16 24-19 8-11 22-18  
#114: 11-16 22-18 8-11 24-19

#123: 11-16 24-19 8-11 22-18 3-8  
#122: 11-16 24-19 7-11 22-18 3-7

#123: 11-16 24-19 8-11 22-18 4-8 18-14 9-18 23-14 10-17 21-14  
#114: 11-16 22-18 8-11 18-14 9-18 23-14 10-17 21-14 4-8 24-19

#123: 11-16 24-19 8-11 22-18 4-8 25-22 16-20  
#114: 11-16 22-18 8-11 25-22 16-20 24-19 4-8

#123: 11-16 24-19 8-11 22-18 9-13  
#7: 9-13 22-18 12-16 24-19 8-12  
#20: 9-13 24-19 11-16 22-18 8-11

#123: 11-16 24-19 8-11 22-18 9-14 18-9 5-14  
#33: 9-14 22-18 11-16 18-9 5-14 24-19 8-11

#123: 11-16 24-19 8-11 22-18 10-14  
#49: 10-14 22-18 11-16 24-19 8-11  
#55: 10-14 24-19 11-16 22-18 8-11

#123: 11-16 24-19 8-11 22-18 10-14 25-22 4-8 30-25 16-20 22-17 11-16  
#123: 11-16 24-19 8-11 22-18 4-8 25-22 16-20 30-25 11-16 22-17 10-14

#123: 11-16 24-19 8-11 22-18 10-14 25-22 16-20  
#49: 10-14 22-18 11-16 25-22 16-20 24-19 8-11

#123: 11-16 24-19 8-11 22-18 10-14 26-22 7-10 22-17 16-20  
#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11 22-17 7-10

#123: 11-16 24-19 8-11 22-18 10-14 26-22 16-20  
#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11

#123: 11-16 24-19 8-11 22-18 16-20  
#133: 12-16 22-18 16-20 24-19 8-12

#123: 11-16 24-19 8-11 22-18 16-20 18-14 9-18 23-14 10-17 21-14  
#112: 11-16 22-17 16-20 17-14 9-18 23-14 10-17 21-14 8-11 24-19

**#124: 11-16 24-19 16-20**

#124: 11-16 24-19 16-20 22-17  
#112: 11-16 22-17 16-20 24-19

#124: 11-16 24-19 16-20 22-18  
#116: 11-16 22-18 16-20 24-19

#124: 11-16 24-19 16-20 22-18 8-11  
#133: 12-16 22-18 16-20 24-19 8-12

#124: 11-16 24-19 16-20 22-18 8-11 25-22  
#114: 11-16 22-18 8-11 25-22 16-20 24-19

#124: 11-16 24-19 16-20 22-18 10-14  
#55: 10-14 24-19 11-16 25-22 16-20

#124: 11-16 24-19 16-20 22-18 10-14 25-22  
#49: 10-14 22-18 11-16 25-22 16-20 24-19

#124: 11-16 24-19 16-20 22-18 10-14 26-22  
#121: 11-16 23-18 16-20 24-19 10-14 26-23

#124: 11-16 24-19 16-20 23-18  
#121: 11-16 23-18 16-20 24-19

**#124A: 11-16 24-20 7-11**

124A: 11-16 24-20 7-11 21-17  
#105: 11-16 21-17 7-11 24-20

124A: 11-16 24-20 7-11 22-17  
#110: 11-16 22-17 7-11 24-20

124A: 11-16 24-20 7-11 22-17 3-7 28-24  
#137: 12-16 24-20 8-12 28-24 3-8 22-17

124A: 11-16 24-20 7-11 22-18  
#113: 11-16 22-18 7-11 24-20

124A: 11-16 24-20 7-11 22-18 3-7  
#114: 11-16 22-18 8-11 24-20 3-8  
#137: 12-16 24-20 8-12 22-18 3-8

124A: 11-16 24-20 7-11 22-18 3-7 25-22  
#113: 11-16 22-18 7-11 25-22 3-7 24-20

124A: 11-16 24-20 7-11 23-18  
#117: 11-16 23-18 7-11 24-20

124A: 11-16 24-20 7-11 28-24 3-7  
#137: 12-16 24-20 8-12 28-24 3-8

**#125: 11-16 24-20 16-19**

#125: 11-16 24-20 16-19 23-16 12-19 22-18 8-11  
#114: 11-16 22-18 8-11 24-20 16-19 23-16 12-19  
#137: 12-16 24-20 8-12 22-18 16-19 23-16 12-19

#125: 11-16 24-20 16-19 23-16 12-19 22-18 9-14 18-9 5-14 25-22 10-15  
#83: 10-15 24-20 15-19 23-16 12-19 22-18 9-14 18-9 5-14 25-22 11-15

#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14  
#49: 10-14 22-18 11-16 24-20 16-19 23-16 12-19

#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14 18-15 14-18  
#52: 10-14 23-19 14-18 22-15 11-18 19-15 12-16 24-20 16-19

#125: 11-16 24-20 16-19 23-16 12-19 22-18 10-14 18-15 14-18 21-17 9-13 17-14  
#52: 10-14 23-19 14-18 22-15 11-18 19-15 12-16 21-17 9-13 17-14 16-19 24-20

**#126: 12-16 21-17 9-13**

#126: 12-16 21-17 9-13 22-18  
#7: 9-13 22-18 12-16 21-17

#126: 12-16 21-17 9-13 23-18  
#12: 9-13 23-18 12-16 21-17

#126: 12-16 21-17 9-13 24-20 8-12 28-24 5-9 25-21 3-8 24-19 9-14  
#107: 11-16 21-17 9-13 25-21 5-9 24-19 8-11 28-24 9-14 24-20 3-8

#126: 12-16 21-17 9-13 24-20 11-15 20-11 7-16  
#103: 11-15 24-20 12-16 20-11 7-16 21-17 9-13

#126: 12-16 21-17 9-13 25-21 5-9  
#1: 9-13 21-17 5-9 25-21 12-16

#126: 12-16 21-17 9-13 25-21 5-9 23-18 11-15  
#1: 9-13 21-17 5-9 25-21 11-15 23-18 12-16

#126: 12-16 21-17 9-13 25-21 5-9 24-19 8-12  
#107: 11-16 21-17 9-13 25-21 5-9 24-19 8-11

**#127: 12-16 21-17 9-14**

#127: 12-16 21-17 9-14 17-13 16-19 24-15 10-19 23-16 11-20  
#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 17-13 9-14

#127: 12-16 21-17 9-14 25-21 16-20  
#131: 12-16 22-17 16-20 25-22 9-14

#127: 12-16 21-17 9-14 25-21 16-20 22-18 8-12  
#114: 11-16 22-18 8-11 25-22 16-20 22-17 9-14

#127: 12-16 21-17 9-14 25-21 16-19 23-16 11-20 17-13  
#128: 12-16 21-17 16-19 23-16 11-20 17-13 9-14 25-21

**#128: 12-16 21-17 16-19**

#128: 12-16 21-17 16-19 23-16 11-20 17-13 9-14 25-21  
#127: 12-16 21-17 9-14 25-21 16-19 23-16 11-20 17-13

#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 17-13 9-14  
#127: 12-16 21-17 9-14 17-13 16-19 24-15 10-19 23-16 11-20

#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 22-18  
#132: 12-16 22-18 16-19 24-15 10-19 23-16 11-20 21-17

#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 25-21  
#130: 12-16 22-17 16-19 24-15 10-19 23-16 11-20 25-22

**#129: 12-16 21-17 16-20**

#129: 12-16 21-17 16-20 17-13 8-12  
#106: 11-16 21-17 8-11 17-13 16-20  
#109: 11-16 21-17 16-20 17-13 8-11

#129: 12-16 21-17 16-20 17-13 8-12 22-18 10-15 26-22  
#65: 10-15 21-17 11-16 17-13 16-20 23-18 8-11 26-23

#129: 12-16 21-17 16-20 17-13 9-14 24-19 8-12 22-18 4-8  
#106: 11-16 21-17 8-11 17-13 4-8 24-19 16-20 22-18 9-14

#129: 12-16 21-17 16-20 25-21  
#131: 12-16 22-17 16-20 25-22

**#130: 12-16 22-17 16-19**

#130: 12-16 22-17 16-19 24-15 10-19 23-16 11-20 25-22  
#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 25-21

**#131: 12-16 22-17 16-20**

#131: 12-16 22-17 16-20 17-14  
#133: 12-16 22-18 16-20 18-14

#131: 12-16 22-17 16-20 23-18  
#135: 12-16 23-18 16-20 22-17

#131: 12-16 22-17 16-20 24-19  
#136: 12-16 24-19 16-20 22-17

#131: 12-16 22-17 16-20 25-22  
#129: 12-16 21-17 16-20 25-21

#131: 12-16 22-17 16-20 25-22 8-12 22-18  
#114: 11-16 22-18 8-11 25-22 16-20 22-17

#131: 12-16 22-17 16-20 25-22 9-14  
#127: 12-16 21-17 9-14 25-21 16-20

**#132: 12-16 22-18 16-19**

#132: 12-16 22-18 16-19 24-15 10-19 23-16 11-20 21-17  
#128: 12-16 21-17 16-19 24-15 10-19 23-16 11-20 22-18

**#133: 12-16 22-18 16-20**

#133: 12-16 22-18 16-20 18-14  
#131: 12-16 22-17 16-20 17-14

#133: 12-16 22-18 16-20 24-19  
#136: 12-16 24-19 16-20 22-18

#133: 12-16 22-18 16-20 24-19 8-12  
#123: 11-16 24-19 8-11 22-18 16-20  
#124: 11-16 24-19 16-20 22-18 8-11

#133: 12-16 22-18 16-20 24-19 8-12 25-22  
#114: 11-16 22-18 8-11 25-22 16-20 24-19

#133: 12-16 22-18 16-20 24-19 8-12 26-22 10-14  
#121: 11-16 23-18 16-20 24-19 10-14 26-23 8-11

#133: 12-16 22-18 16-20 25-22 8-12  
#114: 11-16 22-18 8-11 25-22 16-20

#133: 12-16 22-18 16-20 26-22  
#135: 12-16 23-18 16-20 26-23

**#134: 12-16 23-18 16-19**

#134: 12-16 23-18 16-19 24-15 10-19 18-15 11-18 22-15  
#115: 11-16 22-18 16-19 23-16 12-19 24-15 10-19 18-15

**#135: 12-16 23-18 16-20**

#135: 12-16 23-18 16-20 22-17  
#131: 12-16 22-17 16-20 23-18

#135: 12-16 23-18 16-20 24-19  
#136: 12-16 24-19 16-20 23-18

#135: 12-16 23-18 16-20 26-23  
#133: 12-16 22-18 16-20 26-22

**#136: 12-16 24-19 16-20**

#136: 12-16 24-19 16-20 22-17  
#131: 12-16 22-17 16-20 24-19

#136: 12-16 24-19 16-20 22-18  
#133: 12-16 22-18 16-20 24-19

#136: 12-16 24-19 16-20 23-18  
#135: 12-16 23-18 16-20 24-19

**#137: 12-16 24-20 8-12**

#137: 12-16 24-20 8-12 22-18  
#114: 11-16 22-18 8-11 24-20

#137: 12-16 24-20 8-12 22-18 3-8  
124A: 11-16 24-20 7-11 22-18 3-7

#137: 12-16 24-20 8-12 22-18 16-19 23-16 12-19  
#125: 11-16 24-20 16-19 23-16 12-19 22-18 8-11

#137: 12-16 24-20 8-12 23-18  
#118: 11-16 23-18 8-11 24-20

#137: 12-16 24-20 8-12 28-24 3-8  
124A: 11-16 24-20 7-11 28-24 3-7

#137: 12-16 24-20 8-12 28-24 3-8 22-17  
124A: 11-16 24-20 7-11 22-17 3-7 28-24