Terms $B_{\bar{N}}(2N+2)$ through $B_{\bar{N}}(2N+4547)$ when $N \equiv 5 \pmod{7}$

When $N \equiv 5 \pmod{7}$ and $N \geq 72$, a pattern with 7 interleaved linear sequences lasts from index N + 67 through 2N + 1. If $N \geq 32478$, there are 4546 terms after this pattern ends. Below are calculations of all of these terms along with the necessary lower bound on N for each calculation to be valid. Record large N bounds exceeding 72 are noted with asterisks.

$$B_{\bar{N}}(2N+2) = B_{\bar{N}}(2N+2 - B_{\bar{N}}(2N+1)) + B_{\bar{N}}(2N+2 - B_{\bar{N}}(2N)) + B_{\bar{N}}(2N+2 - B_{\bar{N}}(2N-1))$$

$$= B_{\bar{N}}(2N+2 - (N-2)) + B_{\bar{N}}\left(2N+2 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right) + B_{\bar{N}}\left(2N+2 - \left(\frac{16N}{7} + \frac{305}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{68}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} - \frac{291}{7}\right) = (N+3) + 0 + 0 = N+3$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+3) = B_{\bar{N}}(2N+3 - B_{\bar{N}}(2N+2)) + B_{\bar{N}}(2N+3 - B_{\bar{N}}(2N+1)) + B_{\bar{N}}(2N+3 - B_{\bar{N}}(2N))$$

$$= B_{\bar{N}}(2N+3 - (N+3)) + B_{\bar{N}}(2N+3 - (N-2)) + B_{\bar{N}}\left(2N+3 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right)$$

$$= B_{\bar{N}}(N) + B_{\bar{N}}(N+5) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{75}{7}\right) = N+9+0 = N+9$$

$$(N > 75) *$$

$$B_{\bar{N}}(2N+4) = B_{\bar{N}}(2N+4 - B_{\bar{N}}(2N+3)) + B_{\bar{N}}(2N+4 - B_{\bar{N}}(2N+2)) + B_{\bar{N}}(2N+4 - B_{\bar{N}}(2N+1))$$

$$= B_{\bar{N}}(2N+4 - (N+9)) + B_{\bar{N}}(2N+4 - (N+3)) + B_{\bar{N}}(2N+4 - (N-2))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(N+1) + B_{\bar{N}}(N+6) = (N-5) + 6 + (N+4) = 2N+5$$

$$(N \ge 81) *$$

$$B_{\bar{N}}(2N+5) = B_{\bar{N}}(2N+5 - B_{\bar{N}}(2N+4)) + B_{\bar{N}}(2N+5 - B_{\bar{N}}(2N+3)) + B_{\bar{N}}(2N+5 - B_{\bar{N}}(2N+2))$$

$$= B_{\bar{N}}(2N+5 - (2N+5)) + B_{\bar{N}}(2N+5 - (N+9)) + B_{\bar{N}}(2N+5 - (N+3))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(N-4) + B_{\bar{N}}(N+2) = 0 + (N-4) + (N+1) = 2N-3$$

$$(N \ge 74)$$

$$B_{\bar{N}}(2N+6) = B_{\bar{N}}(2N+6 - B_{\bar{N}}(2N+5)) + B_{\bar{N}}(2N+6 - B_{\bar{N}}(2N+4)) + B_{\bar{N}}(2N+6 - B_{\bar{N}}(2N+3))$$

$$= B_{\bar{N}}(2N+6 - (2N-3)) + B_{\bar{N}}(2N+6 - (2N+5)) + B_{\bar{N}}(2N+6 - (N+9))$$

$$= B_{\bar{N}}(9) + B_{\bar{N}}(1) + B_{\bar{N}}(N-3) = 9 + 1 + (N-3) = N + 7$$

$$(N \ge 73)$$

$$B_{\bar{N}}(2N+7) = B_{\bar{N}}(2N+7 - B_{\bar{N}}(2N+6)) + B_{\bar{N}}(2N+7 - B_{\bar{N}}(2N+5)) + B_{\bar{N}}(2N+7 - B_{\bar{N}}(2N+4))$$

$$= B_{\bar{N}}(2N+7 - (N+7)) + B_{\bar{N}}(2N+7 - (2N-3)) + B_{\bar{N}}(2N+7 - (2N+5))$$

$$= B_{\bar{N}}(N) + B_{\bar{N}}(10) + B_{\bar{N}}(2) = N + 10 + 2 = N + 12$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+8) = B_{\bar{N}}(2N+8 - B_{\bar{N}}(2N+7)) + B_{\bar{N}}(2N+8 - B_{\bar{N}}(2N+6)) + B_{\bar{N}}(2N+8 - B_{\bar{N}}(2N+5))$$

$$= B_{\bar{N}}(2N+8 - (N+12)) + B_{\bar{N}}(2N+8 - (N+7)) + B_{\bar{N}}(2N+8 - (2N-3))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(N+1) + B_{\bar{N}}(11) = (N-4) + 6 + 11 = N + 13$$

$$(N \ge 76)$$

$$B_{\bar{N}}(2N+9) = B_{\bar{N}}(2N+9 - B_{\bar{N}}(2N+8)) + B_{\bar{N}}(2N+9 - B_{\bar{N}}(2N+7)) + B_{\bar{N}}(2N+9 - B_{\bar{N}}(2N+6))$$

$$= B_{\bar{N}}(2N+9 - (N+13)) + B_{\bar{N}}(2N+9 - (N+12)) + B_{\bar{N}}(2N+9 - (N+7))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(N-3) + B_{\bar{N}}(N+2) = (N-4) + (N-3) + (N+1) = 3N-6$$

$$(N \ge 105) *$$

$$B_{\bar{N}}(2N+10) = B_{\bar{N}}(2N+10 - B_{\bar{N}}(2N+9)) + B_{\bar{N}}(2N+10 - B_{\bar{N}}(2N+8)) + B_{\bar{N}}(2N+10 - B_{\bar{N}}(2N+7))$$

$$= B_{\bar{N}}(2N+10 - (3N-6)) + B_{\bar{N}}(2N+10 - (N+13)) + B_{\bar{N}}(2N+10 - (N+12))$$

$$= B_{\bar{N}}(-N+16) + B_{\bar{N}}(N-3) + B_{\bar{N}}(N-2) = 0 + (N-3) + (N-2) = 2N-5$$

$$(N > 112) *$$

$$B_{\bar{N}}(2N+11) = B_{\bar{N}}(2N+11 - B_{\bar{N}}(2N+10)) + B_{\bar{N}}(2N+11 - B_{\bar{N}}(2N+9)) + B_{\bar{N}}(2N+11 - B_{\bar{N}}(2N+8))$$

$$= B_{\bar{N}}(2N+11 - (2N-5)) + B_{\bar{N}}(2N+11 - (3N-6)) + B_{\bar{N}}(2N+11 - (N+13))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(-N+17) + B_{\bar{N}}(N-2) = 16 + 0 + (N-2) = N+14$$

$$(N \ge 136) *$$

$$B_{\bar{N}}(2N+12) = B_{\bar{N}}(2N+12 - B_{\bar{N}}(2N+11)) + B_{\bar{N}}(2N+12 - B_{\bar{N}}(2N+10)) + B_{\bar{N}}(2N+12 - B_{\bar{N}}(2N+9))$$

$$= B_{\bar{N}}(2N+12 - (N+14)) + B_{\bar{N}}(2N+12 - (2N-5)) + B_{\bar{N}}(2N+12 - (3N-6))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(17) + B_{\bar{N}}(-N+18) = (N-2) + 17 + 0 = N + 15$$

$$(N \ge 143) *$$

$$B_{\bar{N}}(2N+13) = B_{\bar{N}}(2N+13 - B_{\bar{N}}(2N+12)) + B_{\bar{N}}(2N+13 - B_{\bar{N}}(2N+11)) + B_{\bar{N}}(2N+13 - B_{\bar{N}}(2N+10))$$

$$= B_{\bar{N}}(2N+13 - (N+15)) + B_{\bar{N}}(2N+13 - (N+14)) + B_{\bar{N}}(2N+13 - (2N-5))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(N-1) + B_{\bar{N}}(18) = (N-2) + (N-1) + 18 = 2N + 15$$

$$(N > 150) *$$

$$B_{\bar{N}}(2N+14) = B_{\bar{N}}(2N+14 - B_{\bar{N}}(2N+13)) + B_{\bar{N}}(2N+14 - B_{\bar{N}}(2N+12)) + B_{\bar{N}}(2N+14 - B_{\bar{N}}(2N+11))$$

$$= B_{\bar{N}}(2N+14 - (2N+15)) + B_{\bar{N}}(2N+14 - (N+15)) + B_{\bar{N}}(2N+14 - (N+14))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-1) + B_{\bar{N}}(N) = 0 + (N-1) + N = 2N - 1$$

$$(N \ge 137)$$

$$B_{\bar{N}}(2N+15) = B_{\bar{N}}(2N+15 - B_{\bar{N}}(2N+14)) + B_{\bar{N}}(2N+15 - B_{\bar{N}}(2N+13)) + B_{\bar{N}}(2N+15 - B_{\bar{N}}(2N+12))$$

$$= B_{\bar{N}}(2N+15 - (2N-1)) + B_{\bar{N}}(2N+15 - (2N+15)) + B_{\bar{N}}(2N+15 - (N+15))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(0) + B_{\bar{N}}(N) = 16 + 0 + N = N + 16$$

$$(N > 144)$$

$$B_{\bar{N}}(2N+16) = B_{\bar{N}}(2N+16 - B_{\bar{N}}(2N+15)) + B_{\bar{N}}(2N+16 - B_{\bar{N}}(2N+14)) + B_{\bar{N}}(2N+16 - B_{\bar{N}}(2N+13))$$

$$= B_{\bar{N}}(2N+16 - (N+16)) + B_{\bar{N}}(2N+16 - (2N-1)) + B_{\bar{N}}(2N+16 - (2N+15))$$

$$= B_{\bar{N}}(N) + B_{\bar{N}}(17) + B_{\bar{N}}(1) = N+17+1 = N+18$$

$$(N \ge 68)$$

$$B_{\bar{N}}(2N+17) = B_{\bar{N}}(2N+17 - B_{\bar{N}}(2N+16)) + B_{\bar{N}}(2N+17 - B_{\bar{N}}(2N+15)) + B_{\bar{N}}(2N+17 - B_{\bar{N}}(2N+14))$$

$$= B_{\bar{N}}(2N+17 - (N+18)) + B_{\bar{N}}(2N+17 - (N+16)) + B_{\bar{N}}(2N+17 - (2N-1))$$

$$= B_{\bar{N}}(N-1) + B_{\bar{N}}(N+1) + B_{\bar{N}}(18) = (N-1) + 6 + 18 = N + 23$$

$$(N \ge 75)$$

$$B_{\bar{N}}(2N+18) = B_{\bar{N}}(2N+18 - B_{\bar{N}}(2N+17)) + B_{\bar{N}}(2N+18 - B_{\bar{N}}(2N+16)) + B_{\bar{N}}(2N+18 - B_{\bar{N}}(2N+15))$$

$$= B_{\bar{N}}(2N+18 - (N+23)) + B_{\bar{N}}(2N+18 - (N+18)) + B_{\bar{N}}(2N+18 - (N+16))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(N) + B_{\bar{N}}(N+2) = (N-5) + N + (N+1) = 3N - 4$$

$$(N \ge 74)$$

$$B_{\bar{N}}(2N+19) = B_{\bar{N}}(2N+19 - B_{\bar{N}}(2N+18)) + B_{\bar{N}}(2N+19 - B_{\bar{N}}(2N+17)) + B_{\bar{N}}(2N+19 - B_{\bar{N}}(2N+16))$$

$$= B_{\bar{N}}(2N+19 - (3N-4)) + B_{\bar{N}}(2N+19 - (N+23)) + B_{\bar{N}}(2N+19 - (N+18))$$

$$= B_{\bar{N}}(-N+23) + B_{\bar{N}}(N-4) + B_{\bar{N}}(N+1) = 0 + (N-4) + 6 = N+2$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+20) = B_{\bar{N}}(2N+20 - B_{\bar{N}}(2N+19)) + B_{\bar{N}}(2N+20 - B_{\bar{N}}(2N+18)) + B_{\bar{N}}(2N+20 - B_{\bar{N}}(2N+17))$$

$$= B_{\bar{N}}(2N+20 - (N+2)) + B_{\bar{N}}(2N+20 - (3N-4)) + B_{\bar{N}}(2N+20 - (N+23))$$

$$= B_{\bar{N}}(N+18) + B_{\bar{N}}(-N+24) + B_{\bar{N}}(N-3) = 18 + 0 + (N-3) = N + 15$$

$$(N > 200) *$$

$$B_{\bar{N}}(2N+21) = B_{\bar{N}}(2N+21 - B_{\bar{N}}(2N+20)) + B_{\bar{N}}(2N+21 - B_{\bar{N}}(2N+19)) + B_{\bar{N}}(2N+21 - B_{\bar{N}}(2N+18))$$

$$= B_{\bar{N}}(2N+21 - (N+15)) + B_{\bar{N}}(2N+21 - (N+2)) + B_{\bar{N}}(2N+21 - (3N-4))$$

$$= B_{\bar{N}}(N+6) + B_{\bar{N}}(N+19) + B_{\bar{N}}(-N+25) = (N+4) + (N+13) + 0 = 2N+17$$

$$(N \ge 75)$$

$$B_{\bar{N}}(2N+22) = B_{\bar{N}}(2N+22 - B_{\bar{N}}(2N+21)) + B_{\bar{N}}(2N+22 - B_{\bar{N}}(2N+20)) + B_{\bar{N}}(2N+22 - B_{\bar{N}}(2N+19))$$

$$= B_{\bar{N}}(2N+22 - (2N+17)) + B_{\bar{N}}(2N+22 - (N+15)) + B_{\bar{N}}(2N+22 - (N+2))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N+7) + B_{\bar{N}}(N+20) = 5 + (N+5) + (N+15) = 2N+25$$

$$(N \ge 22)$$

$$B_{\bar{N}}(2N+23) = B_{\bar{N}}(2N+23 - B_{\bar{N}}(2N+22)) + B_{\bar{N}}(2N+23 - B_{\bar{N}}(2N+21)) + B_{\bar{N}}(2N+23 - B_{\bar{N}}(2N+20))$$

$$= B_{\bar{N}}(2N+23 - (2N+25)) + B_{\bar{N}}(2N+23 - (2N+17)) + B_{\bar{N}}(2N+23 - (N+15))$$

$$= B_{\bar{N}}(-2) + B_{\bar{N}}(6) + B_{\bar{N}}(N+8) = 0 + 6 + (N+6) = N + 12$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+24) = B_{\bar{N}}(2N+24 - B_{\bar{N}}(2N+23)) + B_{\bar{N}}(2N+24 - B_{\bar{N}}(2N+22)) + B_{\bar{N}}(2N+24 - B_{\bar{N}}(2N+21))$$

$$= B_{\bar{N}}(2N+24 - (N+12)) + B_{\bar{N}}(2N+24 - (2N+25)) + B_{\bar{N}}(2N+24 - (2N+17))$$

$$= B_{\bar{N}}(N+12) + B_{\bar{N}}(-1) + B_{\bar{N}}(7) = (N+9) + 0 + 7 = N + 16$$

$$(N \ge 79)$$

$$B_{\bar{N}}(2N+25) = B_{\bar{N}}(2N+25 - B_{\bar{N}}(2N+24)) + B_{\bar{N}}(2N+25 - B_{\bar{N}}(2N+23)) + B_{\bar{N}}(2N+25 - B_{\bar{N}}(2N+25))$$

$$= B_{\bar{N}}(2N+25 - (N+16)) + B_{\bar{N}}(2N+25 - (N+12)) + B_{\bar{N}}(2N+25 - (2N+25))$$

$$= B_{\bar{N}}(N+9) + B_{\bar{N}}(N+13) + B_{\bar{N}}(0) = 12 + 15 + 0 = 27$$

$$(N > 78)$$

$$B_{\bar{N}}(2N+26) = B_{\bar{N}}(2N+26 - B_{\bar{N}}(2N+25)) + B_{\bar{N}}(2N+26 - B_{\bar{N}}(2N+24)) + B_{\bar{N}}(2N+26 - B_{\bar{N}}(2N+23))$$

$$= B_{\bar{N}}(2N+26-27) + B_{\bar{N}}(2N+26 - (N+16)) + B_{\bar{N}}(2N+26 - (N+12))$$

$$= B_{\bar{N}}(2N-1) + B_{\bar{N}}(N+10) + B_{\bar{N}}(N+14) = \left(\frac{16N}{7} + \frac{305}{7}\right) + (N+7) + (N+10) = \frac{30N}{7} + \frac{424}{7}$$

$$(N \ge 189)$$

$$B_{\bar{N}}(2N+27) = B_{\bar{N}}(2N+27 - B_{\bar{N}}(2N+26)) + B_{\bar{N}}(2N+27 - B_{\bar{N}}(2N+25)) + B_{\bar{N}}(2N+27 - B_{\bar{N}}(2N+24))$$

$$= B_{\bar{N}}\left(2N+27 - \left(\frac{30N}{7} + \frac{424}{7}\right)\right) + B_{\bar{N}}(2N+27-27) + B_{\bar{N}}(2N+27 - (N+16))$$

$$= B_{\bar{N}}\left(-\frac{16N}{7} - \frac{235}{7}\right) + B_{\bar{N}}(2N) + B_{\bar{N}}(N+11) = 0 + \left(\frac{15N}{7} - \frac{54}{7}\right) + (N+8) = \frac{22N}{7} + \frac{2}{7}$$

$$(N \ge 196)$$

$$\begin{split} B_{\bar{N}}(2N+28) &= B_{\bar{N}}(2N+28 - B_{\bar{N}}(2N+27)) + B_{\bar{N}}(2N+28 - B_{\bar{N}}(2N+26)) + B_{\bar{N}}(2N+28 - B_{\bar{N}}(2N+25)) \\ &= B_{\bar{N}}\bigg(2N+28 - \bigg(\frac{22N}{7} + \frac{2}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+28 - \bigg(\frac{30N}{7} + \frac{424}{7}\bigg)\bigg) + B_{\bar{N}}(2N+28 - 27) \\ &= B_{\bar{N}}\bigg(-\frac{8N}{7} + \frac{194}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{16N}{7} - \frac{228}{7}\bigg) + B_{\bar{N}}(2N+1) = 0 + 0 + (N-2) = N-2 \\ &(N \ge 66) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+29) &= B_{\bar{N}}(2N+29 - B_{\bar{N}}(2N+28)) + B_{\bar{N}}(2N+29 - B_{\bar{N}}(2N+27)) + B_{\bar{N}}(2N+29 - B_{\bar{N}}(2N+26)) \\ &= B_{\bar{N}}(2N+29 - (N-2)) + B_{\bar{N}}\left(2N+29 - \left(\frac{22N}{7} + \frac{2}{7}\right)\right) + B_{\bar{N}}\left(2N+29 - \left(\frac{30N}{7} + \frac{424}{7}\right)\right) \\ &= B_{\bar{N}}(N+31) + B_{\bar{N}}\left(-\frac{8N}{7} + \frac{201}{7}\right) + B_{\bar{N}}\left(-\frac{16N}{7} - \frac{221}{7}\right) = 22 + 0 + 0 = 22 \\ &(N \ge 71) \end{split}$$

$$B_{\bar{N}}(2N+30) = B_{\bar{N}}(2N+30 - B_{\bar{N}}(2N+29)) + B_{\bar{N}}(2N+30 - B_{\bar{N}}(2N+28)) + B_{\bar{N}}(2N+30 - B_{\bar{N}}(2N+27))$$

$$= B_{\bar{N}}(2N+30-22) + B_{\bar{N}}(2N+30 - (N-2)) + B_{\bar{N}}\left(2N+30 - \left(\frac{22N}{7} + \frac{2}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+8) + B_{\bar{N}}(N+32) + B_{\bar{N}}\left(-\frac{8N}{7} + \frac{208}{7}\right) = (N+13) + (N+30) + 0 = 2N+43$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+31) = B_{\bar{N}}(2N+31 - B_{\bar{N}}(2N+30)) + B_{\bar{N}}(2N+31 - B_{\bar{N}}(2N+29)) + B_{\bar{N}}(2N+31 - B_{\bar{N}}(2N+28))$$

$$= B_{\bar{N}}(2N+31 - (2N+43)) + B_{\bar{N}}(2N+31 - 22) + B_{\bar{N}}(2N+31 - (N-2))$$

$$= B_{\bar{N}}(-12) + B_{\bar{N}}(2N+9) + B_{\bar{N}}(N+33) = 0 + (3N-6) + (N+35) = 4N+29$$

$$(N \ge 69)$$

$$\begin{split} B_{\bar{N}}(2N+32) &= B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+31)) + B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+30)) + B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+29)) \\ &= B_{\bar{N}}(2N+32-(4N+29)) + B_{\bar{N}}(2N+32-(2N+43)) + B_{\bar{N}}(2N+32-22) \\ &= B_{\bar{N}}(-2N+3) + B_{\bar{N}}(-11) + B_{\bar{N}}(2N+10) = 0 + 0 + (2N-5) = 2N-5 \\ &(N \geq 22) \end{split}$$

$$B_{\bar{N}}(2N+33) = B_{\bar{N}}(2N+33 - B_{\bar{N}}(2N+32)) + B_{\bar{N}}(2N+33 - B_{\bar{N}}(2N+31)) + B_{\bar{N}}(2N+33 - B_{\bar{N}}(2N+30))$$

$$= B_{\bar{N}}(2N+33 - (2N-5)) + B_{\bar{N}}(2N+33 - (4N+29)) + B_{\bar{N}}(2N+33 - (2N+43))$$

$$= B_{\bar{N}}(38) + B_{\bar{N}}(-2N+4) + B_{\bar{N}}(-10) = 38 + 0 + 0 = 38$$

$$(N > 69)$$

$$B_{\bar{N}}(2N+34) = B_{\bar{N}}(2N+34 - B_{\bar{N}}(2N+33)) + B_{\bar{N}}(2N+34 - B_{\bar{N}}(2N+32)) + B_{\bar{N}}(2N+34 - B_{\bar{N}}(2N+31))$$

$$= B_{\bar{N}}(2N+34-38) + B_{\bar{N}}(2N+34 - (2N-5)) + B_{\bar{N}}(2N+34 - (4N+29))$$

$$= B_{\bar{N}}(2N-4) + B_{\bar{N}}(39) + B_{\bar{N}}(-2N+5) = (2N-3) + 39 + 0 = 2N + 36$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+35) = B_{\bar{N}}(2N+35 - B_{\bar{N}}(2N+34)) + B_{\bar{N}}(2N+35 - B_{\bar{N}}(2N+33)) + B_{\bar{N}}(2N+35 - B_{\bar{N}}(2N+32))$$

$$= B_{\bar{N}}(2N+35 - (2N+36)) + B_{\bar{N}}(2N+35 - 38) + B_{\bar{N}}(2N+35 - (2N-5))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(2N-3) + B_{\bar{N}}(40) = 0 + (2N-1) + 40 = 2N + 39$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+36) = B_{\bar{N}}(2N+36 - B_{\bar{N}}(2N+35)) + B_{\bar{N}}(2N+36 - B_{\bar{N}}(2N+34)) + B_{\bar{N}}(2N+36 - B_{\bar{N}}(2N+33))$$

$$= B_{\bar{N}}(2N+36 - (2N+39)) + B_{\bar{N}}(2N+36 - (2N+36)) + B_{\bar{N}}(2N+36 - 38)$$

$$= B_{\bar{N}}(-3) + B_{\bar{N}}(0) + B_{\bar{N}}(2N-2) = 0 + 0 + 7 = 7$$

$$(N \ge 69)$$

$$B_{\bar{N}}(2N+37) = B_{\bar{N}}(2N+37 - B_{\bar{N}}(2N+36)) + B_{\bar{N}}(2N+37 - B_{\bar{N}}(2N+35)) + B_{\bar{N}}(2N+37 - B_{\bar{N}}(2N+34))$$

$$= B_{\bar{N}}(2N+37-7) + B_{\bar{N}}(2N+37 - (2N+39)) + B_{\bar{N}}(2N+37 - (2N+36))$$

$$= B_{\bar{N}}(2N+30) + B_{\bar{N}}(-2) + B_{\bar{N}}(1) = (2N+43) + 0 + 1 = 2N + 44$$

$$(N \ge 23)$$

$$B_{\bar{N}}(2N+38) = B_{\bar{N}}(2N+38 - B_{\bar{N}}(2N+37)) + B_{\bar{N}}(2N+38 - B_{\bar{N}}(2N+36)) + B_{\bar{N}}(2N+38 - B_{\bar{N}}(2N+35))$$

$$= B_{\bar{N}}(2N+38 - (2N+44)) + B_{\bar{N}}(2N+38-7) + B_{\bar{N}}(2N+38 - (2N+39))$$

$$= B_{\bar{N}}(-6) + B_{\bar{N}}(2N+31) + B_{\bar{N}}(-1) = 0 + (4N+29) + 0 = 4N+29$$

$$(N > 31)$$

$$B_{\bar{N}}(2N+39) = B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+38)) + B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+37)) + B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+36))$$

$$= B_{\bar{N}}(2N+39 - (4N+29)) + B_{\bar{N}}(2N+39 - (2N+44)) + B_{\bar{N}}(2N+39 - 7)$$

$$= B_{\bar{N}}(-2N+10) + B_{\bar{N}}(-5) + B_{\bar{N}}(2N+32) = 0 + 0 + (2N-5) = 2N - 5$$

$$(N \ge 32)$$

$$B_{\bar{N}}(2N+40) = B_{\bar{N}}(2N+40 - B_{\bar{N}}(2N+39)) + B_{\bar{N}}(2N+40 - B_{\bar{N}}(2N+38)) + B_{\bar{N}}(2N+40 - B_{\bar{N}}(2N+37))$$

$$= B_{\bar{N}}(2N+40 - (2N-5)) + B_{\bar{N}}(2N+40 - (4N+29)) + B_{\bar{N}}(2N+40 - (2N+44))$$

$$= B_{\bar{N}}(45) + B_{\bar{N}}(-2N+11) + B_{\bar{N}}(-4) = 45 + 0 + 0 = 45$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+41) = B_{\bar{N}}(2N+41 - B_{\bar{N}}(2N+40)) + B_{\bar{N}}(2N+41 - B_{\bar{N}}(2N+39)) + B_{\bar{N}}(2N+41 - B_{\bar{N}}(2N+38))$$

$$= B_{\bar{N}}(2N+41-45) + B_{\bar{N}}(2N+41-(2N-5)) + B_{\bar{N}}(2N+41-(4N+29))$$

$$= B_{\bar{N}}(2N-4) + B_{\bar{N}}(46) + B_{\bar{N}}(-2N+12) = (2N-3) + 46 + 0 = 2N + 43$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+42) = B_{\bar{N}}(2N+42 - B_{\bar{N}}(2N+41)) + B_{\bar{N}}(2N+42 - B_{\bar{N}}(2N+40)) + B_{\bar{N}}(2N+42 - B_{\bar{N}}(2N+39))$$

$$= B_{\bar{N}}(2N+42 - (2N+43)) + B_{\bar{N}}(2N+42 - 45) + B_{\bar{N}}(2N+42 - (2N-5))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(2N-3) + B_{\bar{N}}(47) = 0 + (2N-1) + 47 = 2N + 46$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+43) = B_{\bar{N}}(2N+43 - B_{\bar{N}}(2N+42)) + B_{\bar{N}}(2N+43 - B_{\bar{N}}(2N+41)) + B_{\bar{N}}(2N+43 - B_{\bar{N}}(2N+40))$$

$$= B_{\bar{N}}(2N+43 - (2N+46)) + B_{\bar{N}}(2N+43 - (2N+43)) + B_{\bar{N}}(2N+43 - 45)$$

$$= B_{\bar{N}}(-3) + B_{\bar{N}}(0) + B_{\bar{N}}(2N-2) = 0 + 0 + 7 = 7$$

$$(N > 69)$$

$$B_{\bar{N}}(2N+44) = B_{\bar{N}}(2N+44 - B_{\bar{N}}(2N+43)) + B_{\bar{N}}(2N+44 - B_{\bar{N}}(2N+42)) + B_{\bar{N}}(2N+44 - B_{\bar{N}}(2N+41))$$

$$= B_{\bar{N}}(2N+44-7) + B_{\bar{N}}(2N+44 - (2N+46)) + B_{\bar{N}}(2N+44 - (2N+43))$$

$$= B_{\bar{N}}(2N+37) + B_{\bar{N}}(-2) + B_{\bar{N}}(1) = (2N+44) + 0 + 1 = 2N+45$$

$$(N \ge 39)$$

$$B_{\bar{N}}(2N+45) = B_{\bar{N}}(2N+45 - B_{\bar{N}}(2N+44)) + B_{\bar{N}}(2N+45 - B_{\bar{N}}(2N+43)) + B_{\bar{N}}(2N+45 - B_{\bar{N}}(2N+45))$$

$$= B_{\bar{N}}(2N+45 - (2N+45)) + B_{\bar{N}}(2N+45 - 7) + B_{\bar{N}}(2N+45 - (2N+46))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(2N+38) + B_{\bar{N}}(-1) = 0 + (4N+29) + 0 = 4N+29$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+46) = B_{\bar{N}}(2N+46 - B_{\bar{N}}(2N+45)) + B_{\bar{N}}(2N+46 - B_{\bar{N}}(2N+44)) + B_{\bar{N}}(2N+46 - B_{\bar{N}}(2N+43))$$

$$= B_{\bar{N}}(2N+46 - (4N+29)) + B_{\bar{N}}(2N+46 - (2N+45)) + B_{\bar{N}}(2N+46-7)$$

$$= B_{\bar{N}}(-2N+17) + B_{\bar{N}}(1) + B_{\bar{N}}(2N+39) = 0 + 1 + (2N-5) = 2N-4$$

$$(N \ge 128)$$

$$B_{\bar{N}}(2N+47) = B_{\bar{N}}(2N+47 - B_{\bar{N}}(2N+46)) + B_{\bar{N}}(2N+47 - B_{\bar{N}}(2N+45)) + B_{\bar{N}}(2N+47 - B_{\bar{N}}(2N+44))$$

$$= B_{\bar{N}}(2N+47 - (2N-4)) + B_{\bar{N}}(2N+47 - (4N+29)) + B_{\bar{N}}(2N+47 - (2N+45))$$

$$= B_{\bar{N}}(51) + B_{\bar{N}}(-2N+18) + B_{\bar{N}}(2) = 51 + 0 + 2 = 53$$

$$(N \ge 135)$$

$$B_{\bar{N}}(2N+48) = B_{\bar{N}}(2N+48 - B_{\bar{N}}(2N+47)) + B_{\bar{N}}(2N+48 - B_{\bar{N}}(2N+46)) + B_{\bar{N}}(2N+48 - B_{\bar{N}}(2N+45))$$

$$= B_{\bar{N}}(2N+48-53) + B_{\bar{N}}(2N+48 - (2N-4)) + B_{\bar{N}}(2N+48 - (4N+29))$$

$$= B_{\bar{N}}(2N-5) + B_{\bar{N}}(52) + B_{\bar{N}}(-2N+19) = (N-3) + 52 + 0 = N+49$$

$$(N > 142)$$

$$B_{\bar{N}}(2N+49) = B_{\bar{N}}(2N+49 - B_{\bar{N}}(2N+48)) + B_{\bar{N}}(2N+49 - B_{\bar{N}}(2N+47)) + B_{\bar{N}}(2N+49 - B_{\bar{N}}(2N+46))$$

$$= B_{\bar{N}}(2N+49 - (N+49)) + B_{\bar{N}}(2N+49 - 53) + B_{\bar{N}}(2N+49 - (2N-4))$$

$$= B_{\bar{N}}(N) + B_{\bar{N}}(2N-4) + B_{\bar{N}}(53) = N + (2N-3) + 53 = 3N + 50$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+50) = B_{\bar{N}}(2N+50 - B_{\bar{N}}(2N+49)) + B_{\bar{N}}(2N+50 - B_{\bar{N}}(2N+48)) + B_{\bar{N}}(2N+50 - B_{\bar{N}}(2N+47))$$

$$= B_{\bar{N}}(2N+50 - (3N+50)) + B_{\bar{N}}(2N+50 - (N+49)) + B_{\bar{N}}(2N+50 - 53)$$

$$= B_{\bar{N}}(-N) + B_{\bar{N}}(N+1) + B_{\bar{N}}(2N-3) = 0 + 6 + (2N-1) = 2N + 5$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+51) = B_{\bar{N}}(2N+51 - B_{\bar{N}}(2N+50)) + B_{\bar{N}}(2N+51 - B_{\bar{N}}(2N+49)) + B_{\bar{N}}(2N+51 - B_{\bar{N}}(2N+48))$$

$$= B_{\bar{N}}(2N+51 - (2N+5)) + B_{\bar{N}}(2N+51 - (3N+50)) + B_{\bar{N}}(2N+51 - (N+49))$$

$$= B_{\bar{N}}(46) + B_{\bar{N}}(-N+1) + B_{\bar{N}}(N+2) = 46 + 0 + (N+1) = N + 47$$

$$(N > 46)$$

$$B_{\bar{N}}(2N+52) = B_{\bar{N}}(2N+52 - B_{\bar{N}}(2N+51)) + B_{\bar{N}}(2N+52 - B_{\bar{N}}(2N+50)) + B_{\bar{N}}(2N+52 - B_{\bar{N}}(2N+49))$$

$$= B_{\bar{N}}(2N+52 - (N+47)) + B_{\bar{N}}(2N+52 - (2N+5)) + B_{\bar{N}}(2N+52 - (3N+50))$$

$$= B_{\bar{N}}(N+5) + B_{\bar{N}}(47) + B_{\bar{N}}(-N+2) = 9 + 47 + 0 = 56$$

$$(N \ge 55)$$

$$B_{\bar{N}}(2N+53) = B_{\bar{N}}(2N+53 - B_{\bar{N}}(2N+52)) + B_{\bar{N}}(2N+53 - B_{\bar{N}}(2N+51)) + B_{\bar{N}}(2N+53 - B_{\bar{N}}(2N+50))$$

$$= B_{\bar{N}}(2N+53-56) + B_{\bar{N}}(2N+53 - (N+47)) + B_{\bar{N}}(2N+53 - (2N+5))$$

$$= B_{\bar{N}}(2N-3) + B_{\bar{N}}(N+6) + B_{\bar{N}}(48) = (2N-1) + (N+4) + 48 = 3N+51$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+54) = B_{\bar{N}}(2N+54 - B_{\bar{N}}(2N+53)) + B_{\bar{N}}(2N+54 - B_{\bar{N}}(2N+52)) + B_{\bar{N}}(2N+54 - B_{\bar{N}}(2N+51))$$

$$= B_{\bar{N}}(2N+54 - (3N+51)) + B_{\bar{N}}(2N+54 - 56) + B_{\bar{N}}(2N+54 - (N+47))$$

$$= B_{\bar{N}}(-N+3) + B_{\bar{N}}(2N-2) + B_{\bar{N}}(N+7) = 0 + 7 + (N+5) = N+12$$

$$(N \ge 69)$$

$$B_{\bar{N}}(2N+55) = B_{\bar{N}}(2N+55 - B_{\bar{N}}(2N+54)) + B_{\bar{N}}(2N+55 - B_{\bar{N}}(2N+53)) + B_{\bar{N}}(2N+55 - B_{\bar{N}}(2N+52))$$

$$= B_{\bar{N}}(2N+55 - (N+12)) + B_{\bar{N}}(2N+55 - (3N+51)) + B_{\bar{N}}(2N+55 - 56)$$

$$= B_{\bar{N}}(N+43) + B_{\bar{N}}(-N+4) + B_{\bar{N}}(2N-1) = (N+8) + 0 + \left(\frac{16N}{7} + \frac{305}{7}\right) = \frac{23N}{7} + \frac{361}{7}$$

$$(N \ge 68)$$

$$B_{\bar{N}}(2N+56) = B_{\bar{N}}(2N+56 - B_{\bar{N}}(2N+55)) + B_{\bar{N}}(2N+56 - B_{\bar{N}}(2N+54)) + B_{\bar{N}}(2N+56 - B_{\bar{N}}(2N+53))$$

$$= B_{\bar{N}}\left(2N+56 - \left(\frac{23N}{7} + \frac{361}{7}\right)\right) + B_{\bar{N}}(2N+56 - (N+12)) + B_{\bar{N}}(2N+56 - (3N+51))$$

$$= B_{\bar{N}}\left(-\frac{9N}{7} + \frac{31}{7}\right) + B_{\bar{N}}(N+44) + B_{\bar{N}}(-N+5) = 0 + 42 + 0 = 42$$

$$(N \ge 44)$$

$$B_{\bar{N}}(2N+57) = B_{\bar{N}}(2N+57 - B_{\bar{N}}(2N+56)) + B_{\bar{N}}(2N+57 - B_{\bar{N}}(2N+55)) + B_{\bar{N}}(2N+57 - B_{\bar{N}}(2N+54))$$

$$= B_{\bar{N}}(2N+57-42) + B_{\bar{N}}\left(2N+57 - \left(\frac{23N}{7} + \frac{361}{7}\right)\right) + B_{\bar{N}}(2N+57 - (N+12))$$

$$= B_{\bar{N}}(2N+15) + B_{\bar{N}}\left(-\frac{9N}{7} + \frac{38}{7}\right) + B_{\bar{N}}(N+45) = (N+16) + 0 + (N+40) = 2N + 56$$

$$(N \ge 45)$$

$$B_{\bar{N}}(2N+58) = B_{\bar{N}}(2N+58 - B_{\bar{N}}(2N+57)) + B_{\bar{N}}(2N+58 - B_{\bar{N}}(2N+56)) + B_{\bar{N}}(2N+58 - B_{\bar{N}}(2N+55))$$

$$= B_{\bar{N}}(2N+58 - (2N+56)) + B_{\bar{N}}(2N+58 - 42) + B_{\bar{N}}\left(2N+58 - \left(\frac{23N}{7} + \frac{361}{7}\right)\right)$$

$$= B_{\bar{N}}(2) + B_{\bar{N}}(2N+16) + B_{\bar{N}}\left(-\frac{9N}{7} + \frac{45}{7}\right) = 2 + (N+18) + 0 = N + 20$$

$$(N \ge 33)$$

$$B_{\bar{N}}(2N+59) = B_{\bar{N}}(2N+59 - B_{\bar{N}}(2N+58)) + B_{\bar{N}}(2N+59 - B_{\bar{N}}(2N+57)) + B_{\bar{N}}(2N+59 - B_{\bar{N}}(2N+56))$$

$$= B_{\bar{N}}(2N+59 - (N+20)) + B_{\bar{N}}(2N+59 - (2N+56)) + B_{\bar{N}}(2N+59 - 42)$$

$$= B_{\bar{N}}(N+39) + B_{\bar{N}}(3) + B_{\bar{N}}(2N+17) = (N+4) + 3 + (N+23) = 2N + 30$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+60) = B_{\bar{N}}(2N+60 - B_{\bar{N}}(2N+59)) + B_{\bar{N}}(2N+60 - B_{\bar{N}}(2N+58)) + B_{\bar{N}}(2N+60 - B_{\bar{N}}(2N+57))$$

$$= B_{\bar{N}}(2N+60 - (2N+30)) + B_{\bar{N}}(2N+60 - (N+20)) + B_{\bar{N}}(2N+60 - (2N+56))$$

$$= B_{\bar{N}}(30) + B_{\bar{N}}(N+40) + B_{\bar{N}}(4) = 30 + 39 + 4 = 73$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+61) = B_{\bar{N}}(2N+61 - B_{\bar{N}}(2N+60)) + B_{\bar{N}}(2N+61 - B_{\bar{N}}(2N+59)) + B_{\bar{N}}(2N+61 - B_{\bar{N}}(2N+58))$$

$$= B_{\bar{N}}(2N+61-73) + B_{\bar{N}}(2N+61-(2N+30)) + B_{\bar{N}}(2N+61-(N+20))$$

$$= B_{\bar{N}}(2N-12) + B_{\bar{N}}(31) + B_{\bar{N}}(N+41) = (N-10) + 31 + (N+38) = 2N+59$$

$$(N > 79)$$

$$B_{\bar{N}}(2N+62) = B_{\bar{N}}(2N+62 - B_{\bar{N}}(2N+61)) + B_{\bar{N}}(2N+62 - B_{\bar{N}}(2N+60)) + B_{\bar{N}}(2N+62 - B_{\bar{N}}(2N+59))$$

$$= B_{\bar{N}}(2N+62 - (2N+59)) + B_{\bar{N}}(2N+62 - 73) + B_{\bar{N}}(2N+62 - (2N+30))$$

$$= B_{\bar{N}}(3) + B_{\bar{N}}(2N-11) + B_{\bar{N}}(32) = 3 + (2N-10) + 32 = 2N + 25$$

$$(N \ge 78)$$

$$B_{\bar{N}}(2N+63) = B_{\bar{N}}(2N+63 - B_{\bar{N}}(2N+62)) + B_{\bar{N}}(2N+63 - B_{\bar{N}}(2N+61)) + B_{\bar{N}}(2N+63 - B_{\bar{N}}(2N+60))$$

$$= B_{\bar{N}}(2N+63 - (2N+25)) + B_{\bar{N}}(2N+63 - (2N+59)) + B_{\bar{N}}(2N+63-73)$$

$$= B_{\bar{N}}(38) + B_{\bar{N}}(4) + B_{\bar{N}}(2N-10) = 38 + 4 + (2N-8) = 2N + 34$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+64) = B_{\bar{N}}(2N+64 - B_{\bar{N}}(2N+63)) + B_{\bar{N}}(2N+64 - B_{\bar{N}}(2N+62)) + B_{\bar{N}}(2N+64 - B_{\bar{N}}(2N+61))$$

$$= B_{\bar{N}}(2N+64 - (2N+34)) + B_{\bar{N}}(2N+64 - (2N+25)) + B_{\bar{N}}(2N+64 - (2N+59))$$

$$= B_{\bar{N}}(30) + B_{\bar{N}}(39) + B_{\bar{N}}(5) = 30 + 39 + 5 = 74$$

$$(N \ge 42)$$

$$B_{\bar{N}}(2N+65) = B_{\bar{N}}(2N+65 - B_{\bar{N}}(2N+64)) + B_{\bar{N}}(2N+65 - B_{\bar{N}}(2N+63)) + B_{\bar{N}}(2N+65 - B_{\bar{N}}(2N+62))$$

$$= B_{\bar{N}}(2N+65-74) + B_{\bar{N}}(2N+65 - (2N+34)) + B_{\bar{N}}(2N+65 - (2N+25))$$

$$= B_{\bar{N}}(2N-9) + B_{\bar{N}}(31) + B_{\bar{N}}(40) = 7 + 31 + 40 = 78$$

$$(N \ge 76)$$

$$B_{\bar{N}}(2N+66) = B_{\bar{N}}(2N+66 - B_{\bar{N}}(2N+65)) + B_{\bar{N}}(2N+66 - B_{\bar{N}}(2N+64)) + B_{\bar{N}}(2N+66 - B_{\bar{N}}(2N+63))$$

$$= B_{\bar{N}}(2N+66-78) + B_{\bar{N}}(2N+66-74) + B_{\bar{N}}(2N+66-(2N+34))$$

$$= B_{\bar{N}}(2N-12) + B_{\bar{N}}(2N-8) + B_{\bar{N}}(32) = (N-10) + \left(\frac{16N}{7} + \frac{291}{7}\right) + 32 = \frac{23N}{7} + \frac{445}{7}$$

$$(N \ge 79)$$

$$B_{\bar{N}}(2N+67) = B_{\bar{N}}(2N+67 - B_{\bar{N}}(2N+66)) + B_{\bar{N}}(2N+67 - B_{\bar{N}}(2N+65)) + B_{\bar{N}}(2N+67 - B_{\bar{N}}(2N+64))$$

$$= B_{\bar{N}}\left(2N+67 - \left(\frac{23N}{7} + \frac{445}{7}\right)\right) + B_{\bar{N}}(2N+67-78) + B_{\bar{N}}(2N+67-74)$$

$$= B_{\bar{N}}\left(-\frac{9N}{7} + \frac{24}{7}\right) + B_{\bar{N}}(2N-11) + B_{\bar{N}}(2N-7) = 0 + (2N-10) + \left(\frac{15N}{7} - \frac{61}{7}\right) = \frac{29N}{7} - \frac{131}{7}$$

$$(N \ge 78)$$

$$B_{\bar{N}}(2N+68) = B_{\bar{N}}(2N+68 - B_{\bar{N}}(2N+67)) + B_{\bar{N}}(2N+68 - B_{\bar{N}}(2N+66)) + B_{\bar{N}}(2N+68 - B_{\bar{N}}(2N+65))$$

$$= B_{\bar{N}}\left(2N+68 - \left(\frac{29N}{7} - \frac{131}{7}\right)\right) + B_{\bar{N}}\left(2N+68 - \left(\frac{23N}{7} + \frac{445}{7}\right)\right) + B_{\bar{N}}(2N+68 - 78)$$

$$= B_{\bar{N}}\left(-\frac{15N}{7} + \frac{607}{7}\right) + B_{\bar{N}}\left(-\frac{9N}{7} + \frac{31}{7}\right) + B_{\bar{N}}(2N-10) = 0 + 0 + (2N-8) = 2N-8$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+69) = B_{\bar{N}}(2N+69 - B_{\bar{N}}(2N+68)) + B_{\bar{N}}(2N+69 - B_{\bar{N}}(2N+67)) + B_{\bar{N}}(2N+69 - B_{\bar{N}}(2N+66))$$

$$= B_{\bar{N}}(2N+69 - (2N-8)) + B_{\bar{N}}\left(2N+69 - \left(\frac{29N}{7} - \frac{131}{7}\right)\right) + B_{\bar{N}}\left(2N+69 - \left(\frac{23N}{7} + \frac{445}{7}\right)\right)$$

$$= B_{\bar{N}}(77) + B_{\bar{N}}\left(-\frac{15N}{7} + \frac{614}{7}\right) + B_{\bar{N}}\left(-\frac{9N}{7} + \frac{38}{7}\right) = 77 + 0 + 0 = 77$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+70) = B_{\bar{N}}(2N+70 - B_{\bar{N}}(2N+69)) + B_{\bar{N}}(2N+70 - B_{\bar{N}}(2N+68)) + B_{\bar{N}}(2N+70 - B_{\bar{N}}(2N+67))$$

$$= B_{\bar{N}}(2N+70-77) + B_{\bar{N}}(2N+70 - (2N-8)) + B_{\bar{N}}\left(2N+70 - \left(\frac{29N}{7} - \frac{131}{7}\right)\right)$$

$$= B_{\bar{N}}(2N-7) + B_{\bar{N}}(78) + B_{\bar{N}}\left(-\frac{15N}{7} + \frac{621}{7}\right) = \left(\frac{15N}{7} - \frac{61}{7}\right) + 78 + 0 = \frac{15N}{7} + \frac{485}{7}$$

$$(N \ge 78)$$

$$B_{\bar{N}}(2N+71) = B_{\bar{N}}(2N+71 - B_{\bar{N}}(2N+70)) + B_{\bar{N}}(2N+71 - B_{\bar{N}}(2N+69)) + B_{\bar{N}}(2N+71 - B_{\bar{N}}(2N+68))$$

$$= B_{\bar{N}}\left(2N+71 - \left(\frac{15N}{7} + \frac{485}{7}\right)\right) + B_{\bar{N}}(2N+71-77) + B_{\bar{N}}(2N+71-(2N-8))$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{12}{7}\right) + B_{\bar{N}}(2N-6) + B_{\bar{N}}(79) = 0 + (N-2) + 79 = N + 77$$

$$(N \ge 108)$$

$$B_{\bar{N}}(2N+72) = B_{\bar{N}}(2N+72 - B_{\bar{N}}(2N+71)) + B_{\bar{N}}(2N+72 - B_{\bar{N}}(2N+70)) + B_{\bar{N}}(2N+72 - B_{\bar{N}}(2N+69))$$

$$= B_{\bar{N}}(2N+72 - (N+77)) + B_{\bar{N}}\left(2N+72 - \left(\frac{15N}{7} + \frac{485}{7}\right)\right) + B_{\bar{N}}(2N+72-77)$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{19}{7}\right) + B_{\bar{N}}(2N-5) = (N-5) + 0 + (N-3) = 2N - 8$$

$$(N \ge 107)$$

$$B_{\bar{N}}(2N+73) = B_{\bar{N}}(2N+73 - B_{\bar{N}}(2N+72)) + B_{\bar{N}}(2N+73 - B_{\bar{N}}(2N+71)) + B_{\bar{N}}(2N+73 - B_{\bar{N}}(2N+70))$$

$$= B_{\bar{N}}(2N+73 - (2N-8)) + B_{\bar{N}}(2N+73 - (N+77)) + B_{\bar{N}}\left(2N+73 - \left(\frac{15N}{7} + \frac{485}{7}\right)\right)$$

$$= B_{\bar{N}}(81) + B_{\bar{N}}(N-4) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{26}{7}\right) = 81 + (N-4) + 0 = N + 77$$

$$(N \ge 106)$$

$$B_{\bar{N}}(2N+74) = B_{\bar{N}}(2N+74 - B_{\bar{N}}(2N+73)) + B_{\bar{N}}(2N+74 - B_{\bar{N}}(2N+72)) + B_{\bar{N}}(2N+74 - B_{\bar{N}}(2N+71))$$

$$= B_{\bar{N}}(2N+74 - (N+77)) + B_{\bar{N}}(2N+74 - (2N-8)) + B_{\bar{N}}(2N+74 - (N+77))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(82) + B_{\bar{N}}(N-3) = (N-3) + 82 + (N-3) = 2N + 76$$

$$(N \ge 82)$$

$$B_{\bar{N}}(2N+75) = B_{\bar{N}}(2N+75 - B_{\bar{N}}(2N+74)) + B_{\bar{N}}(2N+75 - B_{\bar{N}}(2N+73)) + B_{\bar{N}}(2N+75 - B_{\bar{N}}(2N+72))$$

$$= B_{\bar{N}}(2N+75 - (2N+76)) + B_{\bar{N}}(2N+75 - (N+77)) + B_{\bar{N}}(2N+75 - (2N-8))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-2) + B_{\bar{N}}(83) = 0 + (N-2) + 83 = N+81$$

$$(N \ge 83)$$

$$B_{\bar{N}}(2N+76) = B_{\bar{N}}(2N+76 - B_{\bar{N}}(2N+75)) + B_{\bar{N}}(2N+76 - B_{\bar{N}}(2N+74)) + B_{\bar{N}}(2N+76 - B_{\bar{N}}(2N+73))$$

$$= B_{\bar{N}}(2N+76 - (N+81)) + B_{\bar{N}}(2N+76 - (2N+76)) + B_{\bar{N}}(2N+76 - (N+77))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(0) + B_{\bar{N}}(N-1) = (N-5) + 0 + (N-1) = 2N-6$$

$$(N \ge 81)$$

$$B_{\bar{N}}(2N+77) = B_{\bar{N}}(2N+77 - B_{\bar{N}}(2N+76)) + B_{\bar{N}}(2N+77 - B_{\bar{N}}(2N+75)) + B_{\bar{N}}(2N+77 - B_{\bar{N}}(2N+74))$$

$$= B_{\bar{N}}(2N+77 - (2N-6)) + B_{\bar{N}}(2N+77 - (N+81)) + B_{\bar{N}}(2N+77 - (2N+76))$$

$$= B_{\bar{N}}(83) + B_{\bar{N}}(N-4) + B_{\bar{N}}(1) = 83 + (N-4) + 1 = N+80$$

$$(N \ge 85)$$

$$B_{\bar{N}}(2N+78) = B_{\bar{N}}(2N+78 - B_{\bar{N}}(2N+77)) + B_{\bar{N}}(2N+78 - B_{\bar{N}}(2N+76)) + B_{\bar{N}}(2N+78 - B_{\bar{N}}(2N+75))$$

$$= B_{\bar{N}}(2N+78 - (N+80)) + B_{\bar{N}}(2N+78 - (2N-6)) + B_{\bar{N}}(2N+78 - (N+81))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(84) + B_{\bar{N}}(N-3) = (N-2) + 84 + (N-3) = 2N + 79$$

$$(N \ge 86)$$

$$B_{\bar{N}}(2N+79) = B_{\bar{N}}(2N+79 - B_{\bar{N}}(2N+78)) + B_{\bar{N}}(2N+79 - B_{\bar{N}}(2N+77)) + B_{\bar{N}}(2N+79 - B_{\bar{N}}(2N+76))$$

$$= B_{\bar{N}}(2N+79 - (2N+79)) + B_{\bar{N}}(2N+79 - (N+80)) + B_{\bar{N}}(2N+79 - (2N-6))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(N-1) + B_{\bar{N}}(85) = 0 + (N-1) + 85 = N + 84$$

$$(N > 87)$$

$$B_{\bar{N}}(2N+80) = B_{\bar{N}}(2N+80 - B_{\bar{N}}(2N+79)) + B_{\bar{N}}(2N+80 - B_{\bar{N}}(2N+78)) + B_{\bar{N}}(2N+80 - B_{\bar{N}}(2N+77))$$

$$= B_{\bar{N}}(2N+80 - (N+84)) + B_{\bar{N}}(2N+80 - (2N+79)) + B_{\bar{N}}(2N+80 - (N+80))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(1) + B_{\bar{N}}(N) = (N-4) + 1 + N = 2N - 3$$

$$(N \ge 82)$$

$$B_{\bar{N}}(2N+81) = B_{\bar{N}}(2N+81 - B_{\bar{N}}(2N+80)) + B_{\bar{N}}(2N+81 - B_{\bar{N}}(2N+79)) + B_{\bar{N}}(2N+81 - B_{\bar{N}}(2N+78))$$

$$= B_{\bar{N}}(2N+81 - (2N-3)) + B_{\bar{N}}(2N+81 - (N+84)) + B_{\bar{N}}(2N+81 - (2N+79))$$

$$= B_{\bar{N}}(84) + B_{\bar{N}}(N-3) + B_{\bar{N}}(2) = 84 + (N-3) + 2 = N+83$$

$$(N \ge 84)$$

$$B_{\bar{N}}(2N+82) = B_{\bar{N}}(2N+82 - B_{\bar{N}}(2N+81)) + B_{\bar{N}}(2N+82 - B_{\bar{N}}(2N+80)) + B_{\bar{N}}(2N+82 - B_{\bar{N}}(2N+79))$$

$$= B_{\bar{N}}(2N+82 - (N+83)) + B_{\bar{N}}(2N+82 - (2N-3)) + B_{\bar{N}}(2N+82 - (N+84))$$

$$= B_{\bar{N}}(N-1) + B_{\bar{N}}(85) + B_{\bar{N}}(N-2) = (N-1) + 85 + (N-2) = 2N + 82$$

$$(N \ge 85)$$

$$B_{\bar{N}}(2N+83) = B_{\bar{N}}(2N+83 - B_{\bar{N}}(2N+82)) + B_{\bar{N}}(2N+83 - B_{\bar{N}}(2N+81)) + B_{\bar{N}}(2N+83 - B_{\bar{N}}(2N+80))$$

$$= B_{\bar{N}}(2N+83 - (2N+82)) + B_{\bar{N}}(2N+83 - (N+83)) + B_{\bar{N}}(2N+83 - (2N-3))$$

$$= B_{\bar{N}}(1) + B_{\bar{N}}(N) + B_{\bar{N}}(86) = 1 + N + 86 = N + 87$$

$$(N \ge 87)$$

$$B_{\bar{N}}(2N+84) = B_{\bar{N}}(2N+84 - B_{\bar{N}}(2N+83)) + B_{\bar{N}}(2N+84 - B_{\bar{N}}(2N+82)) + B_{\bar{N}}(2N+84 - B_{\bar{N}}(2N+81))$$

$$= B_{\bar{N}}(2N+84 - (N+87)) + B_{\bar{N}}(2N+84 - (2N+82)) + B_{\bar{N}}(2N+84 - (N+83))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(2) + B_{\bar{N}}(N+1) = (N-3) + 2 + 6 = N + 5$$

$$(N > 88)$$

$$B_{\bar{N}}(2N+85) = B_{\bar{N}}(2N+85 - B_{\bar{N}}(2N+84)) + B_{\bar{N}}(2N+85 - B_{\bar{N}}(2N+83)) + B_{\bar{N}}(2N+85 - B_{\bar{N}}(2N+82))$$

$$= B_{\bar{N}}(2N+85 - (N+5)) + B_{\bar{N}}(2N+85 - (N+87)) + B_{\bar{N}}(2N+85 - (2N+82))$$

$$= B_{\bar{N}}(N+80) + B_{\bar{N}}(N-2) + B_{\bar{N}}(3) = 7 + (N-2) + 3 = N+8$$

$$(N \ge 89)$$

$$B_{\bar{N}}(2N+86) = B_{\bar{N}}(2N+86 - B_{\bar{N}}(2N+85)) + B_{\bar{N}}(2N+86 - B_{\bar{N}}(2N+84)) + B_{\bar{N}}(2N+86 - B_{\bar{N}}(2N+83))$$

$$= B_{\bar{N}}(2N+86 - (N+8)) + B_{\bar{N}}(2N+86 - (N+5)) + B_{\bar{N}}(2N+86 - (N+87))$$

$$= B_{\bar{N}}(N+78) + B_{\bar{N}}(N+81) + B_{\bar{N}}(N-1) = (N+79) + (2N+67) + (N-1) = 4N+145$$

$$(N \ge 80)$$

$$B_{\bar{N}}(2N+87) = B_{\bar{N}}(2N+87 - B_{\bar{N}}(2N+86)) + B_{\bar{N}}(2N+87 - B_{\bar{N}}(2N+85)) + B_{\bar{N}}(2N+87 - B_{\bar{N}}(2N+84))$$

$$= B_{\bar{N}}(2N+87 - (4N+145)) + B_{\bar{N}}(2N+87 - (N+8)) + B_{\bar{N}}(2N+87 - (N+5))$$

$$= B_{\bar{N}}(-2N-58) + B_{\bar{N}}(N+79) + B_{\bar{N}}(N+82) = 0 + (N+81) + (2N+4) = 3N+85$$

$$(N \ge 85)$$

$$B_{\bar{N}}(2N+88) = B_{\bar{N}}(2N+88 - B_{\bar{N}}(2N+87)) + B_{\bar{N}}(2N+88 - B_{\bar{N}}(2N+86)) + B_{\bar{N}}(2N+88 - B_{\bar{N}}(2N+85))$$

$$= B_{\bar{N}}(2N+88 - (3N+85)) + B_{\bar{N}}(2N+88 - (4N+145)) + B_{\bar{N}}(2N+88 - (N+8))$$

$$= B_{\bar{N}}(-N+3) + B_{\bar{N}}(-2N-57) + B_{\bar{N}}(N+80) = 0 + 0 + 7 = 7$$

$$(N \ge 86)$$

$$B_{\bar{N}}(2N+89) = B_{\bar{N}}(2N+89 - B_{\bar{N}}(2N+88)) + B_{\bar{N}}(2N+89 - B_{\bar{N}}(2N+87)) + B_{\bar{N}}(2N+89 - B_{\bar{N}}(2N+86))$$

$$= B_{\bar{N}}(2N+89-7) + B_{\bar{N}}(2N+89 - (3N+85)) + B_{\bar{N}}(2N+89 - (4N+145))$$

$$= B_{\bar{N}}(2N+82) + B_{\bar{N}}(-N+4) + B_{\bar{N}}(-2N-56) = (2N+82) + 0 + 0 = 2N+82$$

$$(N > 87)$$

$$B_{\bar{N}}(2N+90) = B_{\bar{N}}(2N+90 - B_{\bar{N}}(2N+89)) + B_{\bar{N}}(2N+90 - B_{\bar{N}}(2N+88)) + B_{\bar{N}}(2N+90 - B_{\bar{N}}(2N+87))$$

$$= B_{\bar{N}}(2N+90 - (2N+82)) + B_{\bar{N}}(2N+90 - 7) + B_{\bar{N}}(2N+90 - (3N+85))$$

$$= B_{\bar{N}}(8) + B_{\bar{N}}(2N+83) + B_{\bar{N}}(-N+5) = 8 + (N+87) + 0 = N+95$$

$$(N \ge 148)$$

$$B_{\bar{N}}(2N+91) = B_{\bar{N}}(2N+91 - B_{\bar{N}}(2N+90)) + B_{\bar{N}}(2N+91 - B_{\bar{N}}(2N+89)) + B_{\bar{N}}(2N+91 - B_{\bar{N}}(2N+88))$$

$$= B_{\bar{N}}(2N+91 - (N+95)) + B_{\bar{N}}(2N+91 - (2N+82)) + B_{\bar{N}}(2N+91-7)$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(9) + B_{\bar{N}}(2N+84) = (N-4) + 9 + (N+5) = 2N+10$$

$$(N \ge 147)$$

$$B_{\bar{N}}(2N+92) = B_{\bar{N}}(2N+92 - B_{\bar{N}}(2N+91)) + B_{\bar{N}}(2N+92 - B_{\bar{N}}(2N+90)) + B_{\bar{N}}(2N+92 - B_{\bar{N}}(2N+89))$$

$$= B_{\bar{N}}(2N+92 - (2N+10)) + B_{\bar{N}}(2N+92 - (N+95)) + B_{\bar{N}}(2N+92 - (2N+82))$$

$$= B_{\bar{N}}(82) + B_{\bar{N}}(N-3) + B_{\bar{N}}(10) = 82 + (N-3) + 10 = N + 89$$

$$(N \ge 146)$$

$$B_{\bar{N}}(2N+93) = B_{\bar{N}}(2N+93 - B_{\bar{N}}(2N+92)) + B_{\bar{N}}(2N+93 - B_{\bar{N}}(2N+91)) + B_{\bar{N}}(2N+93 - B_{\bar{N}}(2N+90))$$

$$= B_{\bar{N}}(2N+93 - (N+89)) + B_{\bar{N}}(2N+93 - (2N+10)) + B_{\bar{N}}(2N+93 - (N+95))$$

$$= B_{\bar{N}}(N+4) + B_{\bar{N}}(83) + B_{\bar{N}}(N-2) = (N+3) + 83 + (N-2) = 2N + 84$$

$$(N \ge 165)$$

$$B_{\bar{N}}(2N+94) = B_{\bar{N}}(2N+94 - B_{\bar{N}}(2N+93)) + B_{\bar{N}}(2N+94 - B_{\bar{N}}(2N+92)) + B_{\bar{N}}(2N+94 - B_{\bar{N}}(2N+91))$$

$$= B_{\bar{N}}(2N+94 - (2N+84)) + B_{\bar{N}}(2N+94 - (N+89)) + B_{\bar{N}}(2N+94 - (2N+10))$$

$$= B_{\bar{N}}(10) + B_{\bar{N}}(N+5) + B_{\bar{N}}(84) = 10 + 9 + 84 = 103$$

$$(N > 166)$$

$$B_{\bar{N}}(2N+95) = B_{\bar{N}}(2N+95 - B_{\bar{N}}(2N+94)) + B_{\bar{N}}(2N+95 - B_{\bar{N}}(2N+93)) + B_{\bar{N}}(2N+95 - B_{\bar{N}}(2N+92))$$

$$= B_{\bar{N}}(2N+95-103) + B_{\bar{N}}(2N+95 - (2N+84)) + B_{\bar{N}}(2N+95 - (N+89))$$

$$= B_{\bar{N}}(2N-8) + B_{\bar{N}}(11) + B_{\bar{N}}(N+6) = \left(\frac{16N}{7} + \frac{291}{7}\right) + 11 + (N+4) = \frac{23N}{7} + \frac{396}{7}$$

$$(N \ge 167)$$

$$B_{\bar{N}}(2N+96) = B_{\bar{N}}(2N+96 - B_{\bar{N}}(2N+95)) + B_{\bar{N}}(2N+96 - B_{\bar{N}}(2N+94)) + B_{\bar{N}}(2N+96 - B_{\bar{N}}(2N+93))$$

$$= B_{\bar{N}}\left(2N+96 - \left(\frac{23N}{7} + \frac{396}{7}\right)\right) + B_{\bar{N}}(2N+96 - 103) + B_{\bar{N}}(2N+96 - (2N+84))$$

$$= B_{\bar{N}}\left(-\frac{9N}{7} + \frac{276}{7}\right) + B_{\bar{N}}(2N-7) + B_{\bar{N}}(12) = 0 + \left(\frac{15N}{7} - \frac{61}{7}\right) + 12 = \frac{15N}{7} + \frac{23}{7}$$

$$(N > 162)$$

$$\begin{split} B_{\bar{N}}(2N+97) &= B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+96)) + B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+95)) + B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+94)) \\ &= B_{\bar{N}}\bigg(2N+97-\bigg(\frac{15N}{7}+\frac{23}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+97-\bigg(\frac{23N}{7}+\frac{396}{7}\bigg)\bigg) + B_{\bar{N}}(2N+97-103) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7}+\frac{656}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{9N}{7}+\frac{283}{7}\bigg) + B_{\bar{N}}(2N-6) = 0 + 0 + (N-2) = N-2 \\ &(N \geq 656) \, * \end{split}$$

$$B_{\bar{N}}(2N+98) = B_{\bar{N}}(2N+98 - B_{\bar{N}}(2N+97)) + B_{\bar{N}}(2N+98 - B_{\bar{N}}(2N+96)) + B_{\bar{N}}(2N+98 - B_{\bar{N}}(2N+95))$$

$$= B_{\bar{N}}(2N+98 - (N-2)) + B_{\bar{N}}\left(2N+98 - \left(\frac{15N}{7} + \frac{23}{7}\right)\right) + B_{\bar{N}}\left(2N+98 - \left(\frac{23N}{7} + \frac{396}{7}\right)\right)$$

$$= B_{\bar{N}}(N+100) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{663}{7}\right) + B_{\bar{N}}\left(-\frac{9N}{7} + \frac{290}{7}\right) = (N+102) + 0 + 0 = N+102$$

$$(N \ge 663) *$$

$$B_{\bar{N}}(2N+99) = B_{\bar{N}}(2N+99 - B_{\bar{N}}(2N+98)) + B_{\bar{N}}(2N+99 - B_{\bar{N}}(2N+97)) + B_{\bar{N}}(2N+99 - B_{\bar{N}}(2N+96))$$

$$= B_{\bar{N}}(2N+99 - (N+102)) + B_{\bar{N}}(2N+99 - (N-2)) + B_{\bar{N}}\left(2N+99 - \left(\frac{15N}{7} + \frac{23}{7}\right)\right)$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+101) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{670}{7}\right) = (N-3) + 7 + 0 = N + 4$$

$$(N \ge 670) *$$

$$B_{\bar{N}}(2N+100) = B_{\bar{N}}(2N+100 - B_{\bar{N}}(2N+99)) + B_{\bar{N}}(2N+100 - B_{\bar{N}}(2N+98)) + B_{\bar{N}}(2N+100 - B_{\bar{N}}(2N+97))$$

$$= B_{\bar{N}}(2N+100 - (N+4)) + B_{\bar{N}}(2N+100 - (N+102)) + B_{\bar{N}}(2N+100 - (N-2))$$

$$= B_{\bar{N}}(N+96) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+102) = (2N+6) + (N-2) + (2N+73) = 5N+77$$

$$(N \ge 96)$$

$$B_{\bar{N}}(2N+101) = B_{\bar{N}}(2N+101 - B_{\bar{N}}(2N+100)) + B_{\bar{N}}(2N+101 - B_{\bar{N}}(2N+99)) + B_{\bar{N}}(2N+101 - B_{\bar{N}}(2N+98))$$

$$= B_{\bar{N}}(2N+101 - (5N+77)) + B_{\bar{N}}(2N+101 - (N+4)) + B_{\bar{N}}(2N+101 - (N+102))$$

$$= B_{\bar{N}}(-3N+24) + B_{\bar{N}}(N+97) + B_{\bar{N}}(N-1) = 0 + (N-2) + (N-1) = 2N-3$$

$$(N \ge 167)$$

$$B_{\bar{N}}(2N+102) = B_{\bar{N}}(2N+102 - B_{\bar{N}}(2N+101)) + B_{\bar{N}}(2N+102 - B_{\bar{N}}(2N+100)) + B_{\bar{N}}(2N+102 - B_{\bar{N}}(2N+99))$$

$$= B_{\bar{N}}(2N+102 - (2N-3)) + B_{\bar{N}}(2N+102 - (5N+77)) + B_{\bar{N}}(2N+102 - (N+4))$$

$$= B_{\bar{N}}(105) + B_{\bar{N}}(-3N+25) + B_{\bar{N}}(N+98) = 105 + 0 + 100 = 205$$

$$(N > 168)$$

$$B_{\bar{N}}(2N+103) = B_{\bar{N}}(2N+103 - B_{\bar{N}}(2N+102)) + B_{\bar{N}}(2N+103 - B_{\bar{N}}(2N+101)) + B_{\bar{N}}(2N+103 - B_{\bar{N}}(2N+100))$$

$$= B_{\bar{N}}(2N+103-205) + B_{\bar{N}}(2N+103-(2N-3)) + B_{\bar{N}}(2N+103-(5N+77))$$

$$= B_{\bar{N}}(2N-102) + B_{\bar{N}}(106) + B_{\bar{N}}(-3N+26) = (2N-101) + 106 + 0 = 2N + 5$$

$$(N \ge 169)$$

$$B_{\bar{N}}(2N+104) = B_{\bar{N}}(2N+104 - B_{\bar{N}}(2N+103)) + B_{\bar{N}}(2N+104 - B_{\bar{N}}(2N+102)) + B_{\bar{N}}(2N+104 - B_{\bar{N}}(2N+101))$$

$$= B_{\bar{N}}(2N+104 - (2N+5)) + B_{\bar{N}}(2N+104 - 205) + B_{\bar{N}}(2N+104 - (2N-3))$$

$$= B_{\bar{N}}(99) + B_{\bar{N}}(2N-101) + B_{\bar{N}}(107) = 99 + (2N-99) + 107 = 2N+107$$

$$(N \ge 168)$$

$$B_{\bar{N}}(2N+105) = B_{\bar{N}}(2N+105 - B_{\bar{N}}(2N+104)) + B_{\bar{N}}(2N+105 - B_{\bar{N}}(2N+103)) + B_{\bar{N}}(2N+105 - B_{\bar{N}}(2N+102))$$

$$= B_{\bar{N}}(2N+105 - (2N+107)) + B_{\bar{N}}(2N+105 - (2N+5)) + B_{\bar{N}}(2N+105 - 205)$$

$$= B_{\bar{N}}(-2) + B_{\bar{N}}(100) + B_{\bar{N}}(2N-100) = 0 + 100 + 7 = 107$$

$$(N \ge 168)$$

$$B_{\bar{N}}(2N+106) = B_{\bar{N}}(2N+106 - B_{\bar{N}}(2N+105)) + B_{\bar{N}}(2N+106 - B_{\bar{N}}(2N+104)) + B_{\bar{N}}(2N+106 - B_{\bar{N}}(2N+103))$$

$$= B_{\bar{N}}(2N+106-107) + B_{\bar{N}}(2N+106 - (2N+107)) + B_{\bar{N}}(2N+106 - (2N+5))$$

$$= B_{\bar{N}}(2N-1) + B_{\bar{N}}(-1) + B_{\bar{N}}(101) = \left(\frac{16N}{7} + \frac{305}{7}\right) + 0 + 101 = \frac{16N}{7} + \frac{1012}{7}$$

$$(N \ge 169)$$

$$B_{\bar{N}}(2N+107) = B_{\bar{N}}(2N+107 - B_{\bar{N}}(2N+106)) + B_{\bar{N}}(2N+107 - B_{\bar{N}}(2N+105)) + B_{\bar{N}}(2N+107 - B_{\bar{N}}(2N+104))$$

$$= B_{\bar{N}}\left(2N+107 - \left(\frac{16N}{7} + \frac{1012}{7}\right)\right) + B_{\bar{N}}(2N+107-107) + B_{\bar{N}}(2N+107 - (2N+107))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} - \frac{263}{7}\right) + B_{\bar{N}}(2N) + B_{\bar{N}}(0) = 0 + \left(\frac{15N}{7} - \frac{54}{7}\right) + 0 = \frac{15N}{7} - \frac{54}{7}$$

$$(N \ge 170)$$

$$B_{\bar{N}}(2N+108) = B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+107)) + B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+106)) + B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+105))$$

$$= B_{\bar{N}}\left(2N+108-\left(\frac{15N}{7}-\frac{54}{7}\right)\right) + B_{\bar{N}}\left(2N+108-\left(\frac{16N}{7}+\frac{1012}{7}\right)\right) + B_{\bar{N}}(2N+108-107)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{810}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}-\frac{256}{7}\right) + B_{\bar{N}}(2N+1) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 810) *$$

$$B_{\bar{N}}(2N+109) = B_{\bar{N}}(2N+109 - B_{\bar{N}}(2N+108)) + B_{\bar{N}}(2N+109 - B_{\bar{N}}(2N+107)) + B_{\bar{N}}(2N+109 - B_{\bar{N}}(2N+106))$$

$$= B_{\bar{N}}(2N+109 - (N-2)) + B_{\bar{N}}\left(2N+109 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right) + B_{\bar{N}}\left(2N+109 - \left(\frac{16N}{7} + \frac{1012}{7}\right)\right)$$

$$= B_{\bar{N}}(N+111) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{817}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} - \frac{249}{7}\right) = (N-2) + 0 + 0 = N-2$$

$$(N > 817) *$$

$$B_{\bar{N}}(2N+110) = B_{\bar{N}}(2N+110 - B_{\bar{N}}(2N+109)) + B_{\bar{N}}(2N+110 - B_{\bar{N}}(2N+108)) + B_{\bar{N}}(2N+110 - B_{\bar{N}}(2N+107))$$

$$= B_{\bar{N}}(2N+110 - (N-2)) + B_{\bar{N}}(2N+110 - (N-2)) + B_{\bar{N}}\left(2N+110 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right)$$

$$= B_{\bar{N}}(N+112) + B_{\bar{N}}(N+112) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{824}{7}\right) = 114 + 114 + 0 = 228$$

$$(N \ge 824) *$$

$$B_{\bar{N}}(2N+111) = B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+110)) + B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+109)) + B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+108))$$

$$= B_{\bar{N}}(2N+111-228) + B_{\bar{N}}(2N+111-(N-2)) + B_{\bar{N}}(2N+111-(N-2))$$

$$= B_{\bar{N}}(2N-117) + B_{\bar{N}}(N+113) + B_{\bar{N}}(N+113) = (N-115) + (N+114) + (N+114) = 3N+113$$

$$(N \ge 184)$$

$$B_{\bar{N}}(2N+112) = B_{\bar{N}}(2N+112 - B_{\bar{N}}(2N+111)) + B_{\bar{N}}(2N+112 - B_{\bar{N}}(2N+110)) + B_{\bar{N}}(2N+112 - B_{\bar{N}}(2N+109))$$

$$= B_{\bar{N}}(2N+112 - (3N+113)) + B_{\bar{N}}(2N+112 - 228) + B_{\bar{N}}(2N+112 - (N-2))$$

$$= B_{\bar{N}}(-N-1) + B_{\bar{N}}(2N-116) + B_{\bar{N}}(N+114) = 0 + (2N-115) + (N+116) = 3N+1$$

$$(N > 183)$$

$$B_{\bar{N}}(2N+113) = B_{\bar{N}}(2N+113 - B_{\bar{N}}(2N+112)) + B_{\bar{N}}(2N+113 - B_{\bar{N}}(2N+111)) + B_{\bar{N}}(2N+113 - B_{\bar{N}}(2N+110))$$

$$= B_{\bar{N}}(2N+113 - (3N+1)) + B_{\bar{N}}(2N+113 - (3N+113)) + B_{\bar{N}}(2N+113 - 228)$$

$$= B_{\bar{N}}(-N+112) + B_{\bar{N}}(-N) + B_{\bar{N}}(2N-115) = 0 + 0 + (2N-113) = 2N-113$$

$$(N \ge 182)$$

$$B_{\bar{N}}(2N+114) = B_{\bar{N}}(2N+114 - B_{\bar{N}}(2N+113)) + B_{\bar{N}}(2N+114 - B_{\bar{N}}(2N+112)) + B_{\bar{N}}(2N+114 - B_{\bar{N}}(2N+111))$$

$$= B_{\bar{N}}(2N+114 - (2N-113)) + B_{\bar{N}}(2N+114 - (3N+1)) + B_{\bar{N}}(2N+114 - (3N+113))$$

$$= B_{\bar{N}}(227) + B_{\bar{N}}(-N+113) + B_{\bar{N}}(-N+1) = 227 + 0 + 0 = 227$$

$$(N \ge 227)$$

$$B_{\bar{N}}(2N+115) = B_{\bar{N}}(2N+115 - B_{\bar{N}}(2N+114)) + B_{\bar{N}}(2N+115 - B_{\bar{N}}(2N+113)) + B_{\bar{N}}(2N+115 - B_{\bar{N}}(2N+112))$$

$$= B_{\bar{N}}(2N+115 - 227) + B_{\bar{N}}(2N+115 - (2N-113)) + B_{\bar{N}}(2N+115 - (3N+1))$$

$$= B_{\bar{N}}(2N-112) + B_{\bar{N}}(228) + B_{\bar{N}}(-N+114) = \left(\frac{15N}{7} - \frac{166}{7}\right) + 228 + 0 = \frac{15N}{7} + \frac{1430}{7}$$

$$(N > 228)$$

$$B_{\bar{N}}(2N+116) = B_{\bar{N}}(2N+116 - B_{\bar{N}}(2N+115)) + B_{\bar{N}}(2N+116 - B_{\bar{N}}(2N+114)) + B_{\bar{N}}(2N+116 - B_{\bar{N}}(2N+113))$$

$$= B_{\bar{N}}\left(2N+116 - \left(\frac{15N}{7} + \frac{1430}{7}\right)\right) + B_{\bar{N}}(2N+116 - 227) + B_{\bar{N}}(2N+116 - (2N-113))$$

$$= B_{\bar{N}}\left(-\frac{N}{7} - \frac{618}{7}\right) + B_{\bar{N}}(2N-111) + B_{\bar{N}}(229) = 0 + (N-2) + 229 = N + 227$$

$$(N \ge 229)$$

$$B_{\bar{N}}(2N+117) = B_{\bar{N}}(2N+117 - B_{\bar{N}}(2N+116)) + B_{\bar{N}}(2N+117 - B_{\bar{N}}(2N+115)) + B_{\bar{N}}(2N+117 - B_{\bar{N}}(2N+114))$$

$$= B_{\bar{N}}(2N+117 - (N+227)) + B_{\bar{N}}\left(2N+117 - \left(\frac{15N}{7} + \frac{1430}{7}\right)\right) + B_{\bar{N}}(2N+117 - 227)$$

$$= B_{\bar{N}}(N-110) + B_{\bar{N}}\left(-\frac{N}{7} - \frac{611}{7}\right) + B_{\bar{N}}(2N-110) = (N-110) + 0 + (N-108) = 2N-218$$

$$(N \ge 177)$$

$$B_{\bar{N}}(2N+118) = B_{\bar{N}}(2N+118 - B_{\bar{N}}(2N+117)) + B_{\bar{N}}(2N+118 - B_{\bar{N}}(2N+116)) + B_{\bar{N}}(2N+118 - B_{\bar{N}}(2N+115))$$

$$= B_{\bar{N}}(2N+118 - (2N-218)) + B_{\bar{N}}(2N+118 - (N+227)) + B_{\bar{N}}\left(2N+118 - \left(\frac{15N}{7} + \frac{1430}{7}\right)\right)$$

$$= B_{\bar{N}}(336) + B_{\bar{N}}(N-109) + B_{\bar{N}}\left(-\frac{N}{7} - \frac{604}{7}\right) = 336 + (N-109) + 0 = N + 227$$

$$(N \ge 336)$$

$$B_{\bar{N}}(2N+119) = B_{\bar{N}}(2N+119 - B_{\bar{N}}(2N+118)) + B_{\bar{N}}(2N+119 - B_{\bar{N}}(2N+117)) + B_{\bar{N}}(2N+119 - B_{\bar{N}}(2N+116))$$

$$= B_{\bar{N}}(2N+119 - (N+227)) + B_{\bar{N}}(2N+119 - (2N-218)) + B_{\bar{N}}(2N+119 - (N+227))$$

$$= B_{\bar{N}}(N-108) + B_{\bar{N}}(337) + B_{\bar{N}}(N-108) = (N-108) + 337 + (N-108) = 2N + 121$$

$$(N > 337)$$

$$B_{\bar{N}}(2N+120) = B_{\bar{N}}(2N+120 - B_{\bar{N}}(2N+119)) + B_{\bar{N}}(2N+120 - B_{\bar{N}}(2N+118)) + B_{\bar{N}}(2N+120 - B_{\bar{N}}(2N+117))$$

$$= B_{\bar{N}}(2N+120 - (2N+121)) + B_{\bar{N}}(2N+120 - (N+227)) + B_{\bar{N}}(2N+120 - (2N-218))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-107) + B_{\bar{N}}(338) = 0 + (N-107) + 338 = N+231$$

$$(N \ge 338)$$

$$B_{\bar{N}}(2N+121) = B_{\bar{N}}(2N+121 - B_{\bar{N}}(2N+120)) + B_{\bar{N}}(2N+121 - B_{\bar{N}}(2N+119)) + B_{\bar{N}}(2N+121 - B_{\bar{N}}(2N+118))$$

$$= B_{\bar{N}}(2N+121 - (N+231)) + B_{\bar{N}}(2N+121 - (2N+121)) + B_{\bar{N}}(2N+121 - (N+227))$$

$$= B_{\bar{N}}(N-110) + B_{\bar{N}}(0) + B_{\bar{N}}(N-106) = (N-110) + 0 + (N-106) = 2N-216$$

$$(N \ge 143)$$

$$B_{\bar{N}}(2N+122) = B_{\bar{N}}(2N+122 - B_{\bar{N}}(2N+121)) + B_{\bar{N}}(2N+122 - B_{\bar{N}}(2N+120)) + B_{\bar{N}}(2N+122 - B_{\bar{N}}(2N+119))$$

$$= B_{\bar{N}}(2N+122 - (2N-216)) + B_{\bar{N}}(2N+122 - (N+231)) + B_{\bar{N}}(2N+122 - (2N+121))$$

$$= B_{\bar{N}}(338) + B_{\bar{N}}(N-109) + B_{\bar{N}}(1) = 338 + (N-109) + 1 = N+230$$

$$(N \ge 338)$$

$$B_{\bar{N}}(2N+123) = B_{\bar{N}}(2N+123 - B_{\bar{N}}(2N+122)) + B_{\bar{N}}(2N+123 - B_{\bar{N}}(2N+121)) + B_{\bar{N}}(2N+123 - B_{\bar{N}}(2N+120))$$

$$= B_{\bar{N}}(2N+123 - (N+230)) + B_{\bar{N}}(2N+123 - (2N-216)) + B_{\bar{N}}(2N+123 - (N+231))$$

$$= B_{\bar{N}}(N-107) + B_{\bar{N}}(339) + B_{\bar{N}}(N-108) = (N-107) + 339 + (N-108) = 2N + 124$$

$$(N \ge 339)$$

$$B_{\bar{N}}(2N+124) = B_{\bar{N}}(2N+124 - B_{\bar{N}}(2N+123)) + B_{\bar{N}}(2N+124 - B_{\bar{N}}(2N+122)) + B_{\bar{N}}(2N+124 - B_{\bar{N}}(2N+121))$$

$$= B_{\bar{N}}(2N+124 - (2N+124)) + B_{\bar{N}}(2N+124 - (N+230)) + B_{\bar{N}}(2N+124 - (2N-216))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(N-106) + B_{\bar{N}}(340) = 0 + (N-106) + 340 = N + 234$$

$$(N \ge 340)$$

$$B_{\bar{N}}(2N+125) = B_{\bar{N}}(2N+125 - B_{\bar{N}}(2N+124)) + B_{\bar{N}}(2N+125 - B_{\bar{N}}(2N+123)) + B_{\bar{N}}(2N+125 - B_{\bar{N}}(2N+122))$$

$$= B_{\bar{N}}(2N+125 - (N+234)) + B_{\bar{N}}(2N+125 - (2N+124)) + B_{\bar{N}}(2N+125 - (N+230))$$

$$= B_{\bar{N}}(N-109) + B_{\bar{N}}(1) + B_{\bar{N}}(N-105) = (N-109) + 1 + (N-105) = 2N-213$$

$$(N \ge 315)$$

$$B_{\bar{N}}(2N+126) = B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+125)) + B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+124)) + B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+123))$$

$$= B_{\bar{N}}(2N+126-(2N-213)) + B_{\bar{N}}(2N+126-(N+234)) + B_{\bar{N}}(2N+126-(2N+124))$$

$$= B_{\bar{N}}(339) + B_{\bar{N}}(N-108) + B_{\bar{N}}(2) = 339 + (N-108) + 2 = N+233$$

$$(N \ge 339)$$

$$B_{\bar{N}}(2N+127) = B_{\bar{N}}(2N+127 - B_{\bar{N}}(2N+126)) + B_{\bar{N}}(2N+127 - B_{\bar{N}}(2N+125)) + B_{\bar{N}}(2N+127 - B_{\bar{N}}(2N+124))$$

$$= B_{\bar{N}}(2N+127 - (N+233)) + B_{\bar{N}}(2N+127 - (2N-213)) + B_{\bar{N}}(2N+127 - (N+234))$$

$$= B_{\bar{N}}(N-106) + B_{\bar{N}}(340) + B_{\bar{N}}(N-107) = (N-106) + 340 + (N-107) = 2N + 127$$

$$(N \ge 340)$$

$$B_{\bar{N}}(2N+128) = B_{\bar{N}}(2N+128 - B_{\bar{N}}(2N+127)) + B_{\bar{N}}(2N+128 - B_{\bar{N}}(2N+126)) + B_{\bar{N}}(2N+128 - B_{\bar{N}}(2N+125))$$

$$= B_{\bar{N}}(2N+128 - (2N+127)) + B_{\bar{N}}(2N+128 - (N+233)) + B_{\bar{N}}(2N+128 - (2N-213))$$

$$= B_{\bar{N}}(1) + B_{\bar{N}}(N-105) + B_{\bar{N}}(341) = 1 + (N-105) + 341 = N + 237$$

$$(N \ge 341)$$

$$B_{\bar{N}}(2N+129) = B_{\bar{N}}(2N+129 - B_{\bar{N}}(2N+128)) + B_{\bar{N}}(2N+129 - B_{\bar{N}}(2N+127)) + B_{\bar{N}}(2N+129 - B_{\bar{N}}(2N+126))$$

$$= B_{\bar{N}}(2N+129 - (N+237)) + B_{\bar{N}}(2N+129 - (2N+127)) + B_{\bar{N}}(2N+129 - (N+233))$$

$$= B_{\bar{N}}(N-108) + B_{\bar{N}}(2) + B_{\bar{N}}(N-104) = (N-108) + 2 + (N-104) = 2N-210$$

$$(N \ge 270)$$

$$B_{\bar{N}}(2N+130) = B_{\bar{N}}(2N+130 - B_{\bar{N}}(2N+129)) + B_{\bar{N}}(2N+130 - B_{\bar{N}}(2N+128)) + B_{\bar{N}}(2N+130 - B_{\bar{N}}(2N+127))$$

$$= B_{\bar{N}}(2N+130 - (2N-210)) + B_{\bar{N}}(2N+130 - (N+237)) + B_{\bar{N}}(2N+130 - (2N+127))$$

$$= B_{\bar{N}}(340) + B_{\bar{N}}(N-107) + B_{\bar{N}}(3) = 340 + (N-107) + 3 = N + 236$$

$$(N > 340)$$

$$B_{\bar{N}}(2N+131) = B_{\bar{N}}(2N+131 - B_{\bar{N}}(2N+130)) + B_{\bar{N}}(2N+131 - B_{\bar{N}}(2N+129)) + B_{\bar{N}}(2N+131 - B_{\bar{N}}(2N+128))$$

$$= B_{\bar{N}}(2N+131 - (N+236)) + B_{\bar{N}}(2N+131 - (2N-210)) + B_{\bar{N}}(2N+131 - (N+237))$$

$$= B_{\bar{N}}(N-105) + B_{\bar{N}}(341) + B_{\bar{N}}(N-106) = (N-105) + 341 + (N-106) = 2N+130$$

$$(N \ge 341)$$

$$B_{\bar{N}}(2N+132) = B_{\bar{N}}(2N+132 - B_{\bar{N}}(2N+131)) + B_{\bar{N}}(2N+132 - B_{\bar{N}}(2N+130)) + B_{\bar{N}}(2N+132 - B_{\bar{N}}(2N+129))$$

$$= B_{\bar{N}}(2N+132 - (2N+130)) + B_{\bar{N}}(2N+132 - (N+236)) + B_{\bar{N}}(2N+132 - (2N-210))$$

$$= B_{\bar{N}}(2) + B_{\bar{N}}(N-104) + B_{\bar{N}}(342) = 2 + (N-104) + 342 = N + 240$$

$$(N \ge 342)$$

$$B_{\bar{N}}(2N+133) = B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+132)) + B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+131)) + B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+130))$$

$$= B_{\bar{N}}(2N+133-(N+240)) + B_{\bar{N}}(2N+133-(2N+130)) + B_{\bar{N}}(2N+133-(N+236))$$

$$= B_{\bar{N}}(N-107) + B_{\bar{N}}(3) + B_{\bar{N}}(N-103) = (N-107) + 3 + (N-103) = 2N - 207$$

$$(N > 272)$$

$$B_{\bar{N}}(2N+134) = B_{\bar{N}}(2N+134 - B_{\bar{N}}(2N+133)) + B_{\bar{N}}(2N+134 - B_{\bar{N}}(2N+132)) + B_{\bar{N}}(2N+134 - B_{\bar{N}}(2N+131))$$

$$= B_{\bar{N}}(2N+134 - (2N-207)) + B_{\bar{N}}(2N+134 - (N+240)) + B_{\bar{N}}(2N+134 - (2N+130))$$

$$= B_{\bar{N}}(341) + B_{\bar{N}}(N-106) + B_{\bar{N}}(4) = 341 + (N-106) + 4 = N + 239$$

$$(N \ge 341)$$

$$B_{\bar{N}}(2N+135) = B_{\bar{N}}(2N+135 - B_{\bar{N}}(2N+134)) + B_{\bar{N}}(2N+135 - B_{\bar{N}}(2N+133)) + B_{\bar{N}}(2N+135 - B_{\bar{N}}(2N+132))$$

$$= B_{\bar{N}}(2N+135 - (N+239)) + B_{\bar{N}}(2N+135 - (2N-207)) + B_{\bar{N}}(2N+135 - (N+240))$$

$$= B_{\bar{N}}(N-104) + B_{\bar{N}}(342) + B_{\bar{N}}(N-105) = (N-104) + 342 + (N-105) = 2N+133$$

$$(N \ge 342)$$

$$B_{\bar{N}}(2N+136) = B_{\bar{N}}(2N+136 - B_{\bar{N}}(2N+135)) + B_{\bar{N}}(2N+136 - B_{\bar{N}}(2N+134)) + B_{\bar{N}}(2N+136 - B_{\bar{N}}(2N+133))$$

$$= B_{\bar{N}}(2N+136 - (2N+133)) + B_{\bar{N}}(2N+136 - (N+239)) + B_{\bar{N}}(2N+136 - (2N-207))$$

$$= B_{\bar{N}}(3) + B_{\bar{N}}(N-103) + B_{\bar{N}}(343) = 3 + (N-103) + 343 = N + 243$$

$$(N \ge 343)$$

$$B_{\bar{N}}(2N+137) = B_{\bar{N}}(2N+137 - B_{\bar{N}}(2N+136)) + B_{\bar{N}}(2N+137 - B_{\bar{N}}(2N+135)) + B_{\bar{N}}(2N+137 - B_{\bar{N}}(2N+134))$$

$$= B_{\bar{N}}(2N+137 - (N+243)) + B_{\bar{N}}(2N+137 - (2N+133)) + B_{\bar{N}}(2N+137 - (N+239))$$

$$= B_{\bar{N}}(N-106) + B_{\bar{N}}(4) + B_{\bar{N}}(N-102) = (N-106) + 4 + (N-102) = 2N - 204$$

$$(N \ge 273)$$

$$B_{\bar{N}}(2N+138) = B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+137)) + B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+136)) + B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+135))$$

$$= B_{\bar{N}}(2N+138-(2N-204)) + B_{\bar{N}}(2N+138-(N+243)) + B_{\bar{N}}(2N+138-(2N+133))$$

$$= B_{\bar{N}}(342) + B_{\bar{N}}(N-105) + B_{\bar{N}}(5) = 342 + (N-105) + 5 = N + 242$$

$$(N \ge 342)$$

$$B_{\bar{N}}(2N+139) = B_{\bar{N}}(2N+139 - B_{\bar{N}}(2N+138)) + B_{\bar{N}}(2N+139 - B_{\bar{N}}(2N+137)) + B_{\bar{N}}(2N+139 - B_{\bar{N}}(2N+136))$$

$$= B_{\bar{N}}(2N+139 - (N+242)) + B_{\bar{N}}(2N+139 - (2N-204)) + B_{\bar{N}}(2N+139 - (N+243))$$

$$= B_{\bar{N}}(N-103) + B_{\bar{N}}(343) + B_{\bar{N}}(N-104) = (N-103) + 343 + (N-104) = 2N+136$$

$$(N \ge 343)$$

$$B_{\bar{N}}(2N+140) = B_{\bar{N}}(2N+140 - B_{\bar{N}}(2N+139)) + B_{\bar{N}}(2N+140 - B_{\bar{N}}(2N+138)) + B_{\bar{N}}(2N+140 - B_{\bar{N}}(2N+137))$$

$$= B_{\bar{N}}(2N+140 - (2N+136)) + B_{\bar{N}}(2N+140 - (N+242)) + B_{\bar{N}}(2N+140 - (2N-204))$$

$$= B_{\bar{N}}(4) + B_{\bar{N}}(N-102) + B_{\bar{N}}(344) = 4 + (N-102) + 344 = N + 246$$

$$(N > 344)$$

$$B_{\bar{N}}(2N+141) = B_{\bar{N}}(2N+141 - B_{\bar{N}}(2N+140)) + B_{\bar{N}}(2N+141 - B_{\bar{N}}(2N+139)) + B_{\bar{N}}(2N+141 - B_{\bar{N}}(2N+138))$$

$$= B_{\bar{N}}(2N+141 - (N+246)) + B_{\bar{N}}(2N+141 - (2N+136)) + B_{\bar{N}}(2N+141 - (N+242))$$

$$= B_{\bar{N}}(N-105) + B_{\bar{N}}(5) + B_{\bar{N}}(N-101) = (N-105) + 5 + (N-101) = 2N - 201$$

$$(N \ge 274)$$

$$B_{\bar{N}}(2N+142) = B_{\bar{N}}(2N+142 - B_{\bar{N}}(2N+141)) + B_{\bar{N}}(2N+142 - B_{\bar{N}}(2N+140)) + B_{\bar{N}}(2N+142 - B_{\bar{N}}(2N+139))$$

$$= B_{\bar{N}}(2N+142 - (2N-201)) + B_{\bar{N}}(2N+142 - (N+246)) + B_{\bar{N}}(2N+142 - (2N+136))$$

$$= B_{\bar{N}}(343) + B_{\bar{N}}(N-104) + B_{\bar{N}}(6) = 343 + (N-104) + 6 = N+245$$

$$(N \ge 1004) *$$

$$B_{\bar{N}}(2N+143) = B_{\bar{N}}(2N+143 - B_{\bar{N}}(2N+142)) + B_{\bar{N}}(2N+143 - B_{\bar{N}}(2N+141)) + B_{\bar{N}}(2N+143 - B_{\bar{N}}(2N+140))$$

$$= B_{\bar{N}}(2N+143 - (N+245)) + B_{\bar{N}}(2N+143 - (2N-201)) + B_{\bar{N}}(2N+143 - (N+246))$$

$$= B_{\bar{N}}(N-102) + B_{\bar{N}}(344) + B_{\bar{N}}(N-103) = (N-102) + 344 + (N-103) = 2N+139$$

$$(N \ge 1011) *$$

$$B_{\bar{N}}(2N+144) = B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+143)) + B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+142)) + B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+141))$$

$$= B_{\bar{N}}(2N+144-(2N+139)) + B_{\bar{N}}(2N+144-(N+245)) + B_{\bar{N}}(2N+144-(2N-201))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N-101) + B_{\bar{N}}(345) = 5 + (N-101) + 345 = N + 249$$

$$(N > 1018) *$$

$$B_{\bar{N}}(2N+145) = B_{\bar{N}}(2N+145 - B_{\bar{N}}(2N+144)) + B_{\bar{N}}(2N+145 - B_{\bar{N}}(2N+143)) + B_{\bar{N}}(2N+145 - B_{\bar{N}}(2N+142))$$

$$= B_{\bar{N}}(2N+145 - (N+249)) + B_{\bar{N}}(2N+145 - (2N+139)) + B_{\bar{N}}(2N+145 - (N+245))$$

$$= B_{\bar{N}}(N-104) + B_{\bar{N}}(6) + B_{\bar{N}}(N-100) = (N-104) + 6 + (N-100) = 2N - 198$$

$$(N > 275)$$

$$B_{\bar{N}}(2N+146) = B_{\bar{N}}(2N+146 - B_{\bar{N}}(2N+145)) + B_{\bar{N}}(2N+146 - B_{\bar{N}}(2N+144)) + B_{\bar{N}}(2N+146 - B_{\bar{N}}(2N+143))$$

$$= B_{\bar{N}}(2N+146 - (2N-198)) + B_{\bar{N}}(2N+146 - (N+249)) + B_{\bar{N}}(2N+146 - (2N+139))$$

$$= B_{\bar{N}}(344) + B_{\bar{N}}(N-103) + B_{\bar{N}}(7) = 344 + (N-103) + 7 = N + 248$$

$$(N \ge 344)$$

$$B_{\bar{N}}(2N+147) = B_{\bar{N}}(2N+147 - B_{\bar{N}}(2N+146)) + B_{\bar{N}}(2N+147 - B_{\bar{N}}(2N+145)) + B_{\bar{N}}(2N+147 - B_{\bar{N}}(2N+144))$$

$$= B_{\bar{N}}(2N+147 - (N+248)) + B_{\bar{N}}(2N+147 - (2N-198)) + B_{\bar{N}}(2N+147 - (N+249))$$

$$= B_{\bar{N}}(N-101) + B_{\bar{N}}(345) + B_{\bar{N}}(N-102) = (N-101) + 345 + (N-102) = 2N+142$$

$$(N \ge 345)$$

$$B_{\bar{N}}(2N+148) = B_{\bar{N}}(2N+148 - B_{\bar{N}}(2N+147)) + B_{\bar{N}}(2N+148 - B_{\bar{N}}(2N+146)) + B_{\bar{N}}(2N+148 - B_{\bar{N}}(2N+145))$$

$$= B_{\bar{N}}(2N+148 - (2N+142)) + B_{\bar{N}}(2N+148 - (N+248)) + B_{\bar{N}}(2N+148 - (2N-198))$$

$$= B_{\bar{N}}(6) + B_{\bar{N}}(N-100) + B_{\bar{N}}(346) = 6 + (N-100) + 346 = N + 252$$

$$(N \ge 346)$$

$$B_{\bar{N}}(2N+149) = B_{\bar{N}}(2N+149 - B_{\bar{N}}(2N+148)) + B_{\bar{N}}(2N+149 - B_{\bar{N}}(2N+147)) + B_{\bar{N}}(2N+149 - B_{\bar{N}}(2N+146))$$

$$= B_{\bar{N}}(2N+149 - (N+252)) + B_{\bar{N}}(2N+149 - (2N+142)) + B_{\bar{N}}(2N+149 - (N+248))$$

$$= B_{\bar{N}}(N-103) + B_{\bar{N}}(7) + B_{\bar{N}}(N-99) = (N-103) + 7 + (N-99) = 2N-195$$

$$(N \ge 276)$$

$$B_{\bar{N}}(2N+150) = B_{\bar{N}}(2N+150 - B_{\bar{N}}(2N+149)) + B_{\bar{N}}(2N+150 - B_{\bar{N}}(2N+148)) + B_{\bar{N}}(2N+150 - B_{\bar{N}}(2N+147))$$

$$= B_{\bar{N}}(2N+150 - (2N-195)) + B_{\bar{N}}(2N+150 - (N+252)) + B_{\bar{N}}(2N+150 - (2N+142))$$

$$= B_{\bar{N}}(345) + B_{\bar{N}}(N-102) + B_{\bar{N}}(8) = 345 + (N-102) + 8 = N+251$$

$$(N > 345)$$

$$B_{\bar{N}}(2N+151) = B_{\bar{N}}(2N+151 - B_{\bar{N}}(2N+150)) + B_{\bar{N}}(2N+151 - B_{\bar{N}}(2N+149)) + B_{\bar{N}}(2N+151 - B_{\bar{N}}(2N+148))$$

$$= B_{\bar{N}}(2N+151 - (N+251)) + B_{\bar{N}}(2N+151 - (2N-195)) + B_{\bar{N}}(2N+151 - (N+252))$$

$$= B_{\bar{N}}(N-100) + B_{\bar{N}}(346) + B_{\bar{N}}(N-101) = (N-100) + 346 + (N-101) = 2N+145$$

$$(N \ge 346)$$

$$B_{\bar{N}}(2N+152) = B_{\bar{N}}(2N+152 - B_{\bar{N}}(2N+151)) + B_{\bar{N}}(2N+152 - B_{\bar{N}}(2N+150)) + B_{\bar{N}}(2N+152 - B_{\bar{N}}(2N+149))$$

$$= B_{\bar{N}}(2N+152 - (2N+145)) + B_{\bar{N}}(2N+152 - (N+251)) + B_{\bar{N}}(2N+152 - (2N-195))$$

$$= B_{\bar{N}}(7) + B_{\bar{N}}(N-99) + B_{\bar{N}}(347) = 7 + (N-99) + 347 = N + 255$$

$$(N \ge 347)$$

$$B_{\bar{N}}(2N+153) = B_{\bar{N}}(2N+153 - B_{\bar{N}}(2N+152)) + B_{\bar{N}}(2N+153 - B_{\bar{N}}(2N+151)) + B_{\bar{N}}(2N+153 - B_{\bar{N}}(2N+150))$$

$$= B_{\bar{N}}(2N+153 - (N+255)) + B_{\bar{N}}(2N+153 - (2N+145)) + B_{\bar{N}}(2N+153 - (N+251))$$

$$= B_{\bar{N}}(N-102) + B_{\bar{N}}(8) + B_{\bar{N}}(N-98) = (N-102) + 8 + (N-98) = 2N-192$$

$$(N \ge 277)$$

$$B_{\bar{N}}(2N+154) = B_{\bar{N}}(2N+154 - B_{\bar{N}}(2N+153)) + B_{\bar{N}}(2N+154 - B_{\bar{N}}(2N+152)) + B_{\bar{N}}(2N+154 - B_{\bar{N}}(2N+151))$$

$$= B_{\bar{N}}(2N+154 - (2N-192)) + B_{\bar{N}}(2N+154 - (N+255)) + B_{\bar{N}}(2N+154 - (2N+145))$$

$$= B_{\bar{N}}(346) + B_{\bar{N}}(N-101) + B_{\bar{N}}(9) = 346 + (N-101) + 9 = N + 254$$

$$(N \ge 346)$$

$$B_{\bar{N}}(2N+155) = B_{\bar{N}}(2N+155 - B_{\bar{N}}(2N+154)) + B_{\bar{N}}(2N+155 - B_{\bar{N}}(2N+153)) + B_{\bar{N}}(2N+155 - B_{\bar{N}}(2N+152))$$

$$= B_{\bar{N}}(2N+155 - (N+254)) + B_{\bar{N}}(2N+155 - (2N-192)) + B_{\bar{N}}(2N+155 - (N+255))$$

$$= B_{\bar{N}}(N-99) + B_{\bar{N}}(347) + B_{\bar{N}}(N-100) = (N-99) + 347 + (N-100) = 2N + 148$$

$$(N > 347)$$

$$B_{\bar{N}}(2N+156) = B_{\bar{N}}(2N+156 - B_{\bar{N}}(2N+155)) + B_{\bar{N}}(2N+156 - B_{\bar{N}}(2N+154)) + B_{\bar{N}}(2N+156 - B_{\bar{N}}(2N+153))$$

$$= B_{\bar{N}}(2N+156 - (2N+148)) + B_{\bar{N}}(2N+156 - (N+254)) + B_{\bar{N}}(2N+156 - (2N-192))$$

$$= B_{\bar{N}}(8) + B_{\bar{N}}(N-98) + B_{\bar{N}}(348) = 8 + (N-98) + 348 = N + 258$$

$$(N \ge 348)$$

$$B_{\bar{N}}(2N+157) = B_{\bar{N}}(2N+157 - B_{\bar{N}}(2N+156)) + B_{\bar{N}}(2N+157 - B_{\bar{N}}(2N+155)) + B_{\bar{N}}(2N+157 - B_{\bar{N}}(2N+154))$$

$$= B_{\bar{N}}(2N+157 - (N+258)) + B_{\bar{N}}(2N+157 - (2N+148)) + B_{\bar{N}}(2N+157 - (N+254))$$

$$= B_{\bar{N}}(N-101) + B_{\bar{N}}(9) + B_{\bar{N}}(N-97) = (N-101) + 9 + (N-97) = 2N-189$$

$$(N \ge 278)$$

$$B_{\bar{N}}(2N+158) = B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+157)) + B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+156)) + B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+155))$$

$$= B_{\bar{N}}(2N+158-(2N-189)) + B_{\bar{N}}(2N+158-(N+258)) + B_{\bar{N}}(2N+158-(2N+148))$$

$$= B_{\bar{N}}(347) + B_{\bar{N}}(N-100) + B_{\bar{N}}(10) = 347 + (N-100) + 10 = N + 257$$

$$(N \ge 347)$$

$$B_{\bar{N}}(2N+159) = B_{\bar{N}}(2N+159 - B_{\bar{N}}(2N+158)) + B_{\bar{N}}(2N+159 - B_{\bar{N}}(2N+157)) + B_{\bar{N}}(2N+159 - B_{\bar{N}}(2N+156))$$

$$= B_{\bar{N}}(2N+159 - (N+257)) + B_{\bar{N}}(2N+159 - (2N-189)) + B_{\bar{N}}(2N+159 - (N+258))$$

$$= B_{\bar{N}}(N-98) + B_{\bar{N}}(348) + B_{\bar{N}}(N-99) = (N-98) + 348 + (N-99) = 2N+151$$

$$(N \ge 348)$$

$$B_{\bar{N}}(2N+160) = B_{\bar{N}}(2N+160 - B_{\bar{N}}(2N+159)) + B_{\bar{N}}(2N+160 - B_{\bar{N}}(2N+158)) + B_{\bar{N}}(2N+160 - B_{\bar{N}}(2N+157))$$

$$= B_{\bar{N}}(2N+160 - (2N+151)) + B_{\bar{N}}(2N+160 - (N+257)) + B_{\bar{N}}(2N+160 - (2N-189))$$

$$= B_{\bar{N}}(9) + B_{\bar{N}}(N-97) + B_{\bar{N}}(349) = 9 + (N-97) + 349 = N + 261$$

$$(N > 349)$$

$$B_{\bar{N}}(2N+161) = B_{\bar{N}}(2N+161 - B_{\bar{N}}(2N+160)) + B_{\bar{N}}(2N+161 - B_{\bar{N}}(2N+159)) + B_{\bar{N}}(2N+161 - B_{\bar{N}}(2N+158))$$

$$= B_{\bar{N}}(2N+161 - (N+261)) + B_{\bar{N}}(2N+161 - (2N+151)) + B_{\bar{N}}(2N+161 - (N+257))$$

$$= B_{\bar{N}}(N-100) + B_{\bar{N}}(10) + B_{\bar{N}}(N-96) = (N-100) + 10 + (N-96) = 2N-186$$

$$(N \ge 279)$$

$$B_{\bar{N}}(2N+162) = B_{\bar{N}}(2N+162 - B_{\bar{N}}(2N+161)) + B_{\bar{N}}(2N+162 - B_{\bar{N}}(2N+160)) + B_{\bar{N}}(2N+162 - B_{\bar{N}}(2N+159))$$

$$= B_{\bar{N}}(2N+162 - (2N-186)) + B_{\bar{N}}(2N+162 - (N+261)) + B_{\bar{N}}(2N+162 - (2N+151))$$

$$= B_{\bar{N}}(348) + B_{\bar{N}}(N-99) + B_{\bar{N}}(11) = 348 + (N-99) + 11 = N + 260$$

$$(N \ge 402)$$

$$B_{\bar{N}}(2N+163) = B_{\bar{N}}(2N+163 - B_{\bar{N}}(2N+162)) + B_{\bar{N}}(2N+163 - B_{\bar{N}}(2N+161)) + B_{\bar{N}}(2N+163 - B_{\bar{N}}(2N+160))$$

$$= B_{\bar{N}}(2N+163 - (N+260)) + B_{\bar{N}}(2N+163 - (2N-186)) + B_{\bar{N}}(2N+163 - (N+261))$$

$$= B_{\bar{N}}(N-97) + B_{\bar{N}}(349) + B_{\bar{N}}(N-98) = (N-97) + 349 + (N-98) = 2N+154$$

$$(N \ge 409)$$

$$B_{\bar{N}}(2N+164) = B_{\bar{N}}(2N+164 - B_{\bar{N}}(2N+163)) + B_{\bar{N}}(2N+164 - B_{\bar{N}}(2N+162)) + B_{\bar{N}}(2N+164 - B_{\bar{N}}(2N+161))$$

$$= B_{\bar{N}}(2N+164 - (2N+154)) + B_{\bar{N}}(2N+164 - (N+260)) + B_{\bar{N}}(2N+164 - (2N-186))$$

$$= B_{\bar{N}}(10) + B_{\bar{N}}(N-96) + B_{\bar{N}}(350) = 10 + (N-96) + 350 = N + 264$$

$$(N > 416)$$

$$B_{\bar{N}}(2N+165) = B_{\bar{N}}(2N+165 - B_{\bar{N}}(2N+164)) + B_{\bar{N}}(2N+165 - B_{\bar{N}}(2N+163)) + B_{\bar{N}}(2N+165 - B_{\bar{N}}(2N+162))$$

$$= B_{\bar{N}}(2N+165 - (N+264)) + B_{\bar{N}}(2N+165 - (2N+154)) + B_{\bar{N}}(2N+165 - (N+260))$$

$$= B_{\bar{N}}(N-99) + B_{\bar{N}}(11) + B_{\bar{N}}(N-95) = (N-99) + 11 + (N-95) = 2N - 183$$

$$(N \ge 280)$$

$$B_{\bar{N}}(2N+166) = B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+165)) + B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+164)) + B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+163))$$

$$= B_{\bar{N}}(2N+166-(2N-183)) + B_{\bar{N}}(2N+166-(N+264)) + B_{\bar{N}}(2N+166-(2N+154))$$

$$= B_{\bar{N}}(349) + B_{\bar{N}}(N-98) + B_{\bar{N}}(12) = 349 + (N-98) + 12 = N + 263$$

$$(N \ge 349)$$

$$B_{\bar{N}}(2N+167) = B_{\bar{N}}(2N+167 - B_{\bar{N}}(2N+166)) + B_{\bar{N}}(2N+167 - B_{\bar{N}}(2N+165)) + B_{\bar{N}}(2N+167 - B_{\bar{N}}(2N+164))$$

$$= B_{\bar{N}}(2N+167 - (N+263)) + B_{\bar{N}}(2N+167 - (2N-183)) + B_{\bar{N}}(2N+167 - (N+264))$$

$$= B_{\bar{N}}(N-96) + B_{\bar{N}}(350) + B_{\bar{N}}(N-97) = (N-96) + 350 + (N-97) = 2N+157$$

$$(N \ge 350)$$

$$B_{\bar{N}}(2N+168) = B_{\bar{N}}(2N+168 - B_{\bar{N}}(2N+167)) + B_{\bar{N}}(2N+168 - B_{\bar{N}}(2N+166)) + B_{\bar{N}}(2N+168 - B_{\bar{N}}(2N+165))$$

$$= B_{\bar{N}}(2N+168 - (2N+157)) + B_{\bar{N}}(2N+168 - (N+263)) + B_{\bar{N}}(2N+168 - (2N-183))$$

$$= B_{\bar{N}}(11) + B_{\bar{N}}(N-95) + B_{\bar{N}}(351) = 11 + (N-95) + 351 = N + 267$$

$$(N \ge 351)$$

$$B_{\bar{N}}(2N+169) = B_{\bar{N}}(2N+169 - B_{\bar{N}}(2N+168)) + B_{\bar{N}}(2N+169 - B_{\bar{N}}(2N+167)) + B_{\bar{N}}(2N+169 - B_{\bar{N}}(2N+166))$$

$$= B_{\bar{N}}(2N+169 - (N+267)) + B_{\bar{N}}(2N+169 - (2N+157)) + B_{\bar{N}}(2N+169 - (N+263))$$

$$= B_{\bar{N}}(N-98) + B_{\bar{N}}(12) + B_{\bar{N}}(N-94) = (N-98) + 12 + (N-94) = 2N - 180$$

$$(N \ge 281)$$

$$B_{\bar{N}}(2N+170) = B_{\bar{N}}(2N+170 - B_{\bar{N}}(2N+169)) + B_{\bar{N}}(2N+170 - B_{\bar{N}}(2N+168)) + B_{\bar{N}}(2N+170 - B_{\bar{N}}(2N+167))$$

$$= B_{\bar{N}}(2N+170 - (2N-180)) + B_{\bar{N}}(2N+170 - (N+267)) + B_{\bar{N}}(2N+170 - (2N+157))$$

$$= B_{\bar{N}}(350) + B_{\bar{N}}(N-97) + B_{\bar{N}}(13) = 350 + (N-97) + 13 = N + 266$$

$$(N > 350)$$

$$B_{\bar{N}}(2N+171) = B_{\bar{N}}(2N+171 - B_{\bar{N}}(2N+170)) + B_{\bar{N}}(2N+171 - B_{\bar{N}}(2N+169)) + B_{\bar{N}}(2N+171 - B_{\bar{N}}(2N+168))$$

$$= B_{\bar{N}}(2N+171 - (N+266)) + B_{\bar{N}}(2N+171 - (2N-180)) + B_{\bar{N}}(2N+171 - (N+267))$$

$$= B_{\bar{N}}(N-95) + B_{\bar{N}}(351) + B_{\bar{N}}(N-96) = (N-95) + 351 + (N-96) = 2N+160$$

$$(N \ge 351)$$

$$B_{\bar{N}}(2N+172) = B_{\bar{N}}(2N+172 - B_{\bar{N}}(2N+171)) + B_{\bar{N}}(2N+172 - B_{\bar{N}}(2N+170)) + B_{\bar{N}}(2N+172 - B_{\bar{N}}(2N+169))$$

$$= B_{\bar{N}}(2N+172 - (2N+160)) + B_{\bar{N}}(2N+172 - (N+266)) + B_{\bar{N}}(2N+172 - (2N-180))$$

$$= B_{\bar{N}}(12) + B_{\bar{N}}(N-94) + B_{\bar{N}}(352) = 12 + (N-94) + 352 = N + 270$$

$$(N \ge 352)$$

$$B_{\bar{N}}(2N+173) = B_{\bar{N}}(2N+173 - B_{\bar{N}}(2N+172)) + B_{\bar{N}}(2N+173 - B_{\bar{N}}(2N+171)) + B_{\bar{N}}(2N+173 - B_{\bar{N}}(2N+170))$$

$$= B_{\bar{N}}(2N+173 - (N+270)) + B_{\bar{N}}(2N+173 - (2N+160)) + B_{\bar{N}}(2N+173 - (N+266))$$

$$= B_{\bar{N}}(N-97) + B_{\bar{N}}(13) + B_{\bar{N}}(N-93) = (N-97) + 13 + (N-93) = 2N - 177$$

$$(N \ge 282)$$

$$B_{\bar{N}}(2N+174) = B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+173)) + B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+172)) + B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+171)) + B_{\bar{N}}(2N+174-(2N-177)) + B_{\bar{N}}(2N+174-(N+270)) + B_{\bar{N}}(2N+174-(2N+160)) + B_{\bar{N}}(351) + B_{\bar{N}}(N-96) + B_{\bar{N}}(14) = 351 + (N-96) + 14 = N + 269$$

$$(N \ge 351)$$

$$B_{\bar{N}}(2N+175) = B_{\bar{N}}(2N+175 - B_{\bar{N}}(2N+174)) + B_{\bar{N}}(2N+175 - B_{\bar{N}}(2N+173)) + B_{\bar{N}}(2N+175 - B_{\bar{N}}(2N+172))$$

$$= B_{\bar{N}}(2N+175 - (N+269)) + B_{\bar{N}}(2N+175 - (2N-177)) + B_{\bar{N}}(2N+175 - (N+270))$$

$$= B_{\bar{N}}(N-94) + B_{\bar{N}}(352) + B_{\bar{N}}(N-95) = (N-94) + 352 + (N-95) = 2N+163$$

$$(N \ge 352)$$

$$B_{\bar{N}}(2N+176) = B_{\bar{N}}(2N+176 - B_{\bar{N}}(2N+175)) + B_{\bar{N}}(2N+176 - B_{\bar{N}}(2N+174)) + B_{\bar{N}}(2N+176 - B_{\bar{N}}(2N+173))$$

$$= B_{\bar{N}}(2N+176 - (2N+163)) + B_{\bar{N}}(2N+176 - (N+269)) + B_{\bar{N}}(2N+176 - (2N-177))$$

$$= B_{\bar{N}}(13) + B_{\bar{N}}(N-93) + B_{\bar{N}}(353) = 13 + (N-93) + 353 = N + 273$$

$$(N \ge 353)$$

$$B_{\bar{N}}(2N+177) = B_{\bar{N}}(2N+177 - B_{\bar{N}}(2N+176)) + B_{\bar{N}}(2N+177 - B_{\bar{N}}(2N+175)) + B_{\bar{N}}(2N+177 - B_{\bar{N}}(2N+174))$$

$$= B_{\bar{N}}(2N+177 - (N+273)) + B_{\bar{N}}(2N+177 - (2N+163)) + B_{\bar{N}}(2N+177 - (N+269))$$

$$= B_{\bar{N}}(N-96) + B_{\bar{N}}(14) + B_{\bar{N}}(N-92) = (N-96) + 14 + (N-92) = 2N - 174$$

$$(N \ge 283)$$

$$B_{\bar{N}}(2N+178) = B_{\bar{N}}(2N+178 - B_{\bar{N}}(2N+177)) + B_{\bar{N}}(2N+178 - B_{\bar{N}}(2N+176)) + B_{\bar{N}}(2N+178 - B_{\bar{N}}(2N+175))$$

$$= B_{\bar{N}}(2N+178 - (2N-174)) + B_{\bar{N}}(2N+178 - (N+273)) + B_{\bar{N}}(2N+178 - (2N+163))$$

$$= B_{\bar{N}}(352) + B_{\bar{N}}(N-95) + B_{\bar{N}}(15) = 352 + (N-95) + 15 = N + 272$$

$$(N \ge 352)$$

$$B_{\bar{N}}(2N+179) = B_{\bar{N}}(2N+179 - B_{\bar{N}}(2N+178)) + B_{\bar{N}}(2N+179 - B_{\bar{N}}(2N+177)) + B_{\bar{N}}(2N+179 - B_{\bar{N}}(2N+176))$$

$$= B_{\bar{N}}(2N+179 - (N+272)) + B_{\bar{N}}(2N+179 - (2N-174)) + B_{\bar{N}}(2N+179 - (N+273))$$

$$= B_{\bar{N}}(N-93) + B_{\bar{N}}(353) + B_{\bar{N}}(N-94) = (N-93) + 353 + (N-94) = 2N + 166$$

$$(N \ge 353)$$

$$B_{\bar{N}}(2N+180) = B_{\bar{N}}(2N+180 - B_{\bar{N}}(2N+179)) + B_{\bar{N}}(2N+180 - B_{\bar{N}}(2N+178)) + B_{\bar{N}}(2N+180 - B_{\bar{N}}(2N+177))$$

$$= B_{\bar{N}}(2N+180 - (2N+166)) + B_{\bar{N}}(2N+180 - (N+272)) + B_{\bar{N}}(2N+180 - (2N-174))$$

$$= B_{\bar{N}}(14) + B_{\bar{N}}(N-92) + B_{\bar{N}}(354) = 14 + (N-92) + 354 = N + 276$$

$$(N > 354)$$

$$B_{\bar{N}}(2N+181) = B_{\bar{N}}(2N+181 - B_{\bar{N}}(2N+180)) + B_{\bar{N}}(2N+181 - B_{\bar{N}}(2N+179)) + B_{\bar{N}}(2N+181 - B_{\bar{N}}(2N+178))$$

$$= B_{\bar{N}}(2N+181 - (N+276)) + B_{\bar{N}}(2N+181 - (2N+166)) + B_{\bar{N}}(2N+181 - (N+272))$$

$$= B_{\bar{N}}(N-95) + B_{\bar{N}}(15) + B_{\bar{N}}(N-91) = (N-95) + 15 + (N-91) = 2N - 171$$

$$(N \ge 284)$$

$$B_{\bar{N}}(2N+182) = B_{\bar{N}}(2N+182 - B_{\bar{N}}(2N+181)) + B_{\bar{N}}(2N+182 - B_{\bar{N}}(2N+180)) + B_{\bar{N}}(2N+182 - B_{\bar{N}}(2N+179))$$

$$= B_{\bar{N}}(2N+182 - (2N-171)) + B_{\bar{N}}(2N+182 - (N+276)) + B_{\bar{N}}(2N+182 - (2N+166))$$

$$= B_{\bar{N}}(353) + B_{\bar{N}}(N-94) + B_{\bar{N}}(16) = 353 + (N-94) + 16 = N+275$$

$$(N \ge 353)$$

$$B_{\bar{N}}(2N+183) = B_{\bar{N}}(2N+183 - B_{\bar{N}}(2N+182)) + B_{\bar{N}}(2N+183 - B_{\bar{N}}(2N+181)) + B_{\bar{N}}(2N+183 - B_{\bar{N}}(2N+180))$$

$$= B_{\bar{N}}(2N+183 - (N+275)) + B_{\bar{N}}(2N+183 - (2N-171)) + B_{\bar{N}}(2N+183 - (N+276))$$

$$= B_{\bar{N}}(N-92) + B_{\bar{N}}(354) + B_{\bar{N}}(N-93) = (N-92) + 354 + (N-93) = 2N + 169$$

$$(N \ge 354)$$

$$B_{\bar{N}}(2N+184) = B_{\bar{N}}(2N+184 - B_{\bar{N}}(2N+183)) + B_{\bar{N}}(2N+184 - B_{\bar{N}}(2N+182)) + B_{\bar{N}}(2N+184 - B_{\bar{N}}(2N+181))$$

$$= B_{\bar{N}}(2N+184 - (2N+169)) + B_{\bar{N}}(2N+184 - (N+275)) + B_{\bar{N}}(2N+184 - (2N-171))$$

$$= B_{\bar{N}}(15) + B_{\bar{N}}(N-91) + B_{\bar{N}}(355) = 15 + (N-91) + 355 = N + 279$$

$$(N \ge 355)$$

$$B_{\bar{N}}(2N+185) = B_{\bar{N}}(2N+185 - B_{\bar{N}}(2N+184)) + B_{\bar{N}}(2N+185 - B_{\bar{N}}(2N+183)) + B_{\bar{N}}(2N+185 - B_{\bar{N}}(2N+182))$$

$$= B_{\bar{N}}(2N+185 - (N+279)) + B_{\bar{N}}(2N+185 - (2N+169)) + B_{\bar{N}}(2N+185 - (N+275))$$

$$= B_{\bar{N}}(N-94) + B_{\bar{N}}(16) + B_{\bar{N}}(N-90) = (N-94) + 16 + (N-90) = 2N - 168$$

$$(N > 285)$$

$$B_{\bar{N}}(2N+186) = B_{\bar{N}}(2N+186 - B_{\bar{N}}(2N+185)) + B_{\bar{N}}(2N+186 - B_{\bar{N}}(2N+184)) + B_{\bar{N}}(2N+186 - B_{\bar{N}}(2N+183))$$

$$= B_{\bar{N}}(2N+186 - (2N-168)) + B_{\bar{N}}(2N+186 - (N+279)) + B_{\bar{N}}(2N+186 - (2N+169))$$

$$= B_{\bar{N}}(354) + B_{\bar{N}}(N-93) + B_{\bar{N}}(17) = 354 + (N-93) + 17 = N + 278$$

$$(N \ge 354)$$

$$B_{\bar{N}}(2N+187) = B_{\bar{N}}(2N+187 - B_{\bar{N}}(2N+186)) + B_{\bar{N}}(2N+187 - B_{\bar{N}}(2N+185)) + B_{\bar{N}}(2N+187 - B_{\bar{N}}(2N+184))$$

$$= B_{\bar{N}}(2N+187 - (N+278)) + B_{\bar{N}}(2N+187 - (2N-168)) + B_{\bar{N}}(2N+187 - (N+279))$$

$$= B_{\bar{N}}(N-91) + B_{\bar{N}}(355) + B_{\bar{N}}(N-92) = (N-91) + 355 + (N-92) = 2N+172$$

$$(N \ge 355)$$

$$B_{\bar{N}}(2N+188) = B_{\bar{N}}(2N+188 - B_{\bar{N}}(2N+187)) + B_{\bar{N}}(2N+188 - B_{\bar{N}}(2N+186)) + B_{\bar{N}}(2N+188 - B_{\bar{N}}(2N+185))$$

$$= B_{\bar{N}}(2N+188 - (2N+172)) + B_{\bar{N}}(2N+188 - (N+278)) + B_{\bar{N}}(2N+188 - (2N-168))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(N-90) + B_{\bar{N}}(356) = 16 + (N-90) + 356 = N + 282$$

$$(N \ge 356)$$

$$B_{\bar{N}}(2N+189) = B_{\bar{N}}(2N+189 - B_{\bar{N}}(2N+188)) + B_{\bar{N}}(2N+189 - B_{\bar{N}}(2N+187)) + B_{\bar{N}}(2N+189 - B_{\bar{N}}(2N+186))$$

$$= B_{\bar{N}}(2N+189 - (N+282)) + B_{\bar{N}}(2N+189 - (2N+172)) + B_{\bar{N}}(2N+189 - (N+278))$$

$$= B_{\bar{N}}(N-93) + B_{\bar{N}}(17) + B_{\bar{N}}(N-89) = (N-93) + 17 + (N-89) = 2N - 165$$

$$(N \ge 286)$$

$$B_{\bar{N}}(2N+190) = B_{\bar{N}}(2N+190 - B_{\bar{N}}(2N+189)) + B_{\bar{N}}(2N+190 - B_{\bar{N}}(2N+188)) + B_{\bar{N}}(2N+190 - B_{\bar{N}}(2N+187))$$

$$= B_{\bar{N}}(2N+190 - (2N-165)) + B_{\bar{N}}(2N+190 - (N+282)) + B_{\bar{N}}(2N+190 - (2N+172))$$

$$= B_{\bar{N}}(355) + B_{\bar{N}}(N-92) + B_{\bar{N}}(18) = 355 + (N-92) + 18 = N + 281$$

$$(N > 355)$$

$$B_{\bar{N}}(2N+191) = B_{\bar{N}}(2N+191 - B_{\bar{N}}(2N+190)) + B_{\bar{N}}(2N+191 - B_{\bar{N}}(2N+189)) + B_{\bar{N}}(2N+191 - B_{\bar{N}}(2N+188))$$

$$= B_{\bar{N}}(2N+191 - (N+281)) + B_{\bar{N}}(2N+191 - (2N-165)) + B_{\bar{N}}(2N+191 - (N+282))$$

$$= B_{\bar{N}}(N-90) + B_{\bar{N}}(356) + B_{\bar{N}}(N-91) = (N-90) + 356 + (N-91) = 2N + 175$$

$$(N \ge 356)$$

$$B_{\bar{N}}(2N+192) = B_{\bar{N}}(2N+192 - B_{\bar{N}}(2N+191)) + B_{\bar{N}}(2N+192 - B_{\bar{N}}(2N+190)) + B_{\bar{N}}(2N+192 - B_{\bar{N}}(2N+189))$$

$$= B_{\bar{N}}(2N+192 - (2N+175)) + B_{\bar{N}}(2N+192 - (N+281)) + B_{\bar{N}}(2N+192 - (2N-165))$$

$$= B_{\bar{N}}(17) + B_{\bar{N}}(N-89) + B_{\bar{N}}(357) = 17 + (N-89) + 357 = N + 285$$

$$(N \ge 357)$$

$$B_{\bar{N}}(2N+193) = B_{\bar{N}}(2N+193 - B_{\bar{N}}(2N+192)) + B_{\bar{N}}(2N+193 - B_{\bar{N}}(2N+191)) + B_{\bar{N}}(2N+193 - B_{\bar{N}}(2N+190))$$

$$= B_{\bar{N}}(2N+193 - (N+285)) + B_{\bar{N}}(2N+193 - (2N+175)) + B_{\bar{N}}(2N+193 - (N+281))$$

$$= B_{\bar{N}}(N-92) + B_{\bar{N}}(18) + B_{\bar{N}}(N-88) = (N-92) + 18 + (N-88) = 2N - 162$$

$$(N \ge 287)$$

$$B_{\bar{N}}(2N+194) = B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+193)) + B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+192)) + B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+191))$$

$$= B_{\bar{N}}(2N+194-(2N-162)) + B_{\bar{N}}(2N+194-(N+285)) + B_{\bar{N}}(2N+194-(2N+175))$$

$$= B_{\bar{N}}(356) + B_{\bar{N}}(N-91) + B_{\bar{N}}(19) = 356 + (N-91) + 19 = N + 284$$

$$(N > 356)$$

$$B_{\bar{N}}(2N+195) = B_{\bar{N}}(2N+195 - B_{\bar{N}}(2N+194)) + B_{\bar{N}}(2N+195 - B_{\bar{N}}(2N+193)) + B_{\bar{N}}(2N+195 - B_{\bar{N}}(2N+192))$$

$$= B_{\bar{N}}(2N+195 - (N+284)) + B_{\bar{N}}(2N+195 - (2N-162)) + B_{\bar{N}}(2N+195 - (N+285))$$

$$= B_{\bar{N}}(N-89) + B_{\bar{N}}(357) + B_{\bar{N}}(N-90) = (N-89) + 357 + (N-90) = 2N + 178$$

$$(N > 357)$$

$$B_{\bar{N}}(2N+196) = B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+195)) + B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+194)) + B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+193))$$

$$= B_{\bar{N}}(2N+196-(2N+178)) + B_{\bar{N}}(2N+196-(N+284)) + B_{\bar{N}}(2N+196-(2N-162))$$

$$= B_{\bar{N}}(18) + B_{\bar{N}}(N-88) + B_{\bar{N}}(358) = 18 + (N-88) + 358 = N + 288$$

$$(N \ge 358)$$

$$B_{\bar{N}}(2N+197) = B_{\bar{N}}(2N+197 - B_{\bar{N}}(2N+196)) + B_{\bar{N}}(2N+197 - B_{\bar{N}}(2N+195)) + B_{\bar{N}}(2N+197 - B_{\bar{N}}(2N+194))$$

$$= B_{\bar{N}}(2N+197 - (N+288)) + B_{\bar{N}}(2N+197 - (2N+178)) + B_{\bar{N}}(2N+197 - (N+284))$$

$$= B_{\bar{N}}(N-91) + B_{\bar{N}}(19) + B_{\bar{N}}(N-87) = (N-91) + 19 + (N-87) = 2N-159$$

$$(N \ge 288)$$

$$B_{\bar{N}}(2N+198) = B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+197)) + B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+196)) + B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+195)) + B_{\bar{N}}(2N+198-(2N-159)) + B_{\bar{N}}(2N+198-(N+288)) + B_{\bar{N}}(2N+198-(2N+178)) + B_{\bar{N}}(357) + B_{\bar{N}}(N-90) + B_{\bar{N}}(20) = 357 + (N-90) + 20 = N + 287$$

$$(N \ge 357)$$

$$B_{\bar{N}}(2N+199) = B_{\bar{N}}(2N+199 - B_{\bar{N}}(2N+198)) + B_{\bar{N}}(2N+199 - B_{\bar{N}}(2N+197)) + B_{\bar{N}}(2N+199 - B_{\bar{N}}(2N+196))$$

$$= B_{\bar{N}}(2N+199 - (N+287)) + B_{\bar{N}}(2N+199 - (2N-159)) + B_{\bar{N}}(2N+199 - (N+288))$$

$$= B_{\bar{N}}(N-88) + B_{\bar{N}}(358) + B_{\bar{N}}(N-89) = (N-88) + 358 + (N-89) = 2N+181$$

$$(N \ge 358)$$

$$B_{\bar{N}}(2N+200) = B_{\bar{N}}(2N+200 - B_{\bar{N}}(2N+199)) + B_{\bar{N}}(2N+200 - B_{\bar{N}}(2N+198)) + B_{\bar{N}}(2N+200 - B_{\bar{N}}(2N+197))$$

$$= B_{\bar{N}}(2N+200 - (2N+181)) + B_{\bar{N}}(2N+200 - (N+287)) + B_{\bar{N}}(2N+200 - (2N-159))$$

$$= B_{\bar{N}}(19) + B_{\bar{N}}(N-87) + B_{\bar{N}}(359) = 19 + (N-87) + 359 = N + 291$$

$$(N > 359)$$

$$B_{\bar{N}}(2N+201) = B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+200)) + B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+199)) + B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+198))$$

$$= B_{\bar{N}}(2N+201-(N+291)) + B_{\bar{N}}(2N+201-(2N+181)) + B_{\bar{N}}(2N+201-(N+287))$$

$$= B_{\bar{N}}(N-90) + B_{\bar{N}}(20) + B_{\bar{N}}(N-86) = (N-90) + 20 + (N-86) = 2N-156$$

$$(N \ge 289)$$

$$B_{\bar{N}}(2N+202) = B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+201)) + B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+200)) + B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+199))$$

$$= B_{\bar{N}}(2N+202-(2N-156)) + B_{\bar{N}}(2N+202-(N+291)) + B_{\bar{N}}(2N+202-(2N+181))$$

$$= B_{\bar{N}}(358) + B_{\bar{N}}(N-89) + B_{\bar{N}}(21) = 358 + (N-89) + 21 = N + 290$$

$$(N \ge 358)$$

$$B_{\bar{N}}(2N+203) = B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+202)) + B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+201)) + B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+200))$$

$$= B_{\bar{N}}(2N+203-(N+290)) + B_{\bar{N}}(2N+203-(2N-156)) + B_{\bar{N}}(2N+203-(N+291))$$

$$= B_{\bar{N}}(N-87) + B_{\bar{N}}(359) + B_{\bar{N}}(N-88) = (N-87) + 359 + (N-88) = 2N + 184$$

$$(N \ge 359)$$

$$B_{\bar{N}}(2N+204) = B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+203)) + B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+202)) + B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+201))$$

$$= B_{\bar{N}}(2N+204-(2N+184)) + B_{\bar{N}}(2N+204-(N+290)) + B_{\bar{N}}(2N+204-(2N-156))$$

$$= B_{\bar{N}}(20) + B_{\bar{N}}(N-86) + B_{\bar{N}}(360) = 20 + (N-86) + 360 = N + 294$$

$$(N > 360)$$

$$B_{\bar{N}}(2N+205) = B_{\bar{N}}(2N+205 - B_{\bar{N}}(2N+204)) + B_{\bar{N}}(2N+205 - B_{\bar{N}}(2N+203)) + B_{\bar{N}}(2N+205 - B_{\bar{N}}(2N+202))$$

$$= B_{\bar{N}}(2N+205 - (N+294)) + B_{\bar{N}}(2N+205 - (2N+184)) + B_{\bar{N}}(2N+205 - (N+290))$$

$$= B_{\bar{N}}(N-89) + B_{\bar{N}}(21) + B_{\bar{N}}(N-85) = (N-89) + 21 + (N-85) = 2N - 153$$

$$(N > 290)$$

$$B_{\bar{N}}(2N+206) = B_{\bar{N}}(2N+206 - B_{\bar{N}}(2N+205)) + B_{\bar{N}}(2N+206 - B_{\bar{N}}(2N+204)) + B_{\bar{N}}(2N+206 - B_{\bar{N}}(2N+203))$$

$$= B_{\bar{N}}(2N+206 - (2N-153)) + B_{\bar{N}}(2N+206 - (N+294)) + B_{\bar{N}}(2N+206 - (2N+184))$$

$$= B_{\bar{N}}(359) + B_{\bar{N}}(N-88) + B_{\bar{N}}(22) = 359 + (N-88) + 22 = N + 293$$

$$(N \ge 359)$$

$$B_{\bar{N}}(2N+207) = B_{\bar{N}}(2N+207 - B_{\bar{N}}(2N+206)) + B_{\bar{N}}(2N+207 - B_{\bar{N}}(2N+205)) + B_{\bar{N}}(2N+207 - B_{\bar{N}}(2N+204))$$

$$= B_{\bar{N}}(2N+207 - (N+293)) + B_{\bar{N}}(2N+207 - (2N-153)) + B_{\bar{N}}(2N+207 - (N+294))$$

$$= B_{\bar{N}}(N-86) + B_{\bar{N}}(360) + B_{\bar{N}}(N-87) = (N-86) + 360 + (N-87) = 2N + 187$$

$$(N \ge 360)$$

$$B_{\bar{N}}(2N+208) = B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+207)) + B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+206)) + B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+205))$$

$$= B_{\bar{N}}(2N+208-(2N+187)) + B_{\bar{N}}(2N+208-(N+293)) + B_{\bar{N}}(2N+208-(2N-153))$$

$$= B_{\bar{N}}(21) + B_{\bar{N}}(N-85) + B_{\bar{N}}(361) = 21 + (N-85) + 361 = N + 297$$

$$(N \ge 361)$$

$$B_{\bar{N}}(2N+209) = B_{\bar{N}}(2N+209 - B_{\bar{N}}(2N+208)) + B_{\bar{N}}(2N+209 - B_{\bar{N}}(2N+207)) + B_{\bar{N}}(2N+209 - B_{\bar{N}}(2N+206))$$

$$= B_{\bar{N}}(2N+209 - (N+297)) + B_{\bar{N}}(2N+209 - (2N+187)) + B_{\bar{N}}(2N+209 - (N+293))$$

$$= B_{\bar{N}}(N-88) + B_{\bar{N}}(22) + B_{\bar{N}}(N-84) = (N-88) + 22 + (N-84) = 2N - 150$$

$$(N \ge 291)$$

$$B_{\bar{N}}(2N+210) = B_{\bar{N}}(2N+210 - B_{\bar{N}}(2N+209)) + B_{\bar{N}}(2N+210 - B_{\bar{N}}(2N+208)) + B_{\bar{N}}(2N+210 - B_{\bar{N}}(2N+207))$$

$$= B_{\bar{N}}(2N+210 - (2N-150)) + B_{\bar{N}}(2N+210 - (N+297)) + B_{\bar{N}}(2N+210 - (2N+187))$$

$$= B_{\bar{N}}(360) + B_{\bar{N}}(N-87) + B_{\bar{N}}(23) = 360 + (N-87) + 23 = N + 296$$

$$(N > 360)$$

$$B_{\bar{N}}(2N+211) = B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+210)) + B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+209)) + B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+208))$$

$$= B_{\bar{N}}(2N+211-(N+296)) + B_{\bar{N}}(2N+211-(2N-150)) + B_{\bar{N}}(2N+211-(N+297))$$

$$= B_{\bar{N}}(N-85) + B_{\bar{N}}(361) + B_{\bar{N}}(N-86) = (N-85) + 361 + (N-86) = 2N + 190$$

$$(N \ge 361)$$

$$B_{\bar{N}}(2N+212) = B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+211)) + B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+210)) + B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+209))$$

$$= B_{\bar{N}}(2N+212-(2N+190)) + B_{\bar{N}}(2N+212-(N+296)) + B_{\bar{N}}(2N+212-(2N-150))$$

$$= B_{\bar{N}}(22) + B_{\bar{N}}(N-84) + B_{\bar{N}}(362) = 22 + (N-84) + 362 = N + 300$$

$$(N \ge 362)$$

$$B_{\bar{N}}(2N+213) = B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+212)) + B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+211)) + B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+210))$$

$$= B_{\bar{N}}(2N+213-(N+300)) + B_{\bar{N}}(2N+213-(2N+190)) + B_{\bar{N}}(2N+213-(N+296))$$

$$= B_{\bar{N}}(N-87) + B_{\bar{N}}(23) + B_{\bar{N}}(N-83) = (N-87) + 23 + (N-83) = 2N-147$$

$$(N \ge 292)$$

$$B_{\bar{N}}(2N+214) = B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+213)) + B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+212)) + B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+211))$$

$$= B_{\bar{N}}(2N+214-(2N-147)) + B_{\bar{N}}(2N+214-(N+300)) + B_{\bar{N}}(2N+214-(2N+190))$$

$$= B_{\bar{N}}(361) + B_{\bar{N}}(N-86) + B_{\bar{N}}(24) = 361 + (N-86) + 24 = N + 299$$

$$(N \ge 361)$$

$$B_{\bar{N}}(2N+215) = B_{\bar{N}}(2N+215 - B_{\bar{N}}(2N+214)) + B_{\bar{N}}(2N+215 - B_{\bar{N}}(2N+213)) + B_{\bar{N}}(2N+215 - B_{\bar{N}}(2N+212))$$

$$= B_{\bar{N}}(2N+215 - (N+299)) + B_{\bar{N}}(2N+215 - (2N-147)) + B_{\bar{N}}(2N+215 - (N+300))$$

$$= B_{\bar{N}}(N-84) + B_{\bar{N}}(362) + B_{\bar{N}}(N-85) = (N-84) + 362 + (N-85) = 2N + 193$$

$$(N > 362)$$

$$B_{\bar{N}}(2N+216) = B_{\bar{N}}(2N+216 - B_{\bar{N}}(2N+215)) + B_{\bar{N}}(2N+216 - B_{\bar{N}}(2N+214)) + B_{\bar{N}}(2N+216 - B_{\bar{N}}(2N+213))$$

$$= B_{\bar{N}}(2N+216 - (2N+193)) + B_{\bar{N}}(2N+216 - (N+299)) + B_{\bar{N}}(2N+216 - (2N-147))$$

$$= B_{\bar{N}}(23) + B_{\bar{N}}(N-83) + B_{\bar{N}}(363) = 23 + (N-83) + 363 = N + 303$$

$$(N \ge 363)$$

$$B_{\bar{N}}(2N+217) = B_{\bar{N}}(2N+217 - B_{\bar{N}}(2N+216)) + B_{\bar{N}}(2N+217 - B_{\bar{N}}(2N+215)) + B_{\bar{N}}(2N+217 - B_{\bar{N}}(2N+214))$$

$$= B_{\bar{N}}(2N+217 - (N+303)) + B_{\bar{N}}(2N+217 - (2N+193)) + B_{\bar{N}}(2N+217 - (N+299))$$

$$= B_{\bar{N}}(N-86) + B_{\bar{N}}(24) + B_{\bar{N}}(N-82) = (N-86) + 24 + (N-82) = 2N - 144$$

$$(N \ge 293)$$

$$B_{\bar{N}}(2N+218) = B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+217)) + B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+216)) + B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+215))$$

$$= B_{\bar{N}}(2N+218-(2N-144)) + B_{\bar{N}}(2N+218-(N+303)) + B_{\bar{N}}(2N+218-(2N+193))$$

$$= B_{\bar{N}}(362) + B_{\bar{N}}(N-85) + B_{\bar{N}}(25) = 362 + (N-85) + 25 = N + 302$$

$$(N \ge 362)$$

$$B_{\bar{N}}(2N+219) = B_{\bar{N}}(2N+219 - B_{\bar{N}}(2N+218)) + B_{\bar{N}}(2N+219 - B_{\bar{N}}(2N+217)) + B_{\bar{N}}(2N+219 - B_{\bar{N}}(2N+216))$$

$$= B_{\bar{N}}(2N+219 - (N+302)) + B_{\bar{N}}(2N+219 - (2N-144)) + B_{\bar{N}}(2N+219 - (N+303))$$

$$= B_{\bar{N}}(N-83) + B_{\bar{N}}(363) + B_{\bar{N}}(N-84) = (N-83) + 363 + (N-84) = 2N + 196$$

$$(N \ge 363)$$

$$B_{\bar{N}}(2N+220) = B_{\bar{N}}(2N+220 - B_{\bar{N}}(2N+219)) + B_{\bar{N}}(2N+220 - B_{\bar{N}}(2N+218)) + B_{\bar{N}}(2N+220 - B_{\bar{N}}(2N+217))$$

$$= B_{\bar{N}}(2N+220 - (2N+196)) + B_{\bar{N}}(2N+220 - (N+302)) + B_{\bar{N}}(2N+220 - (2N-144))$$

$$= B_{\bar{N}}(24) + B_{\bar{N}}(N-82) + B_{\bar{N}}(364) = 24 + (N-82) + 364 = N + 306$$

$$(N > 364)$$

$$B_{\bar{N}}(2N+221) = B_{\bar{N}}(2N+221 - B_{\bar{N}}(2N+220)) + B_{\bar{N}}(2N+221 - B_{\bar{N}}(2N+219)) + B_{\bar{N}}(2N+221 - B_{\bar{N}}(2N+218))$$

$$= B_{\bar{N}}(2N+221 - (N+306)) + B_{\bar{N}}(2N+221 - (2N+196)) + B_{\bar{N}}(2N+221 - (N+302))$$

$$= B_{\bar{N}}(N-85) + B_{\bar{N}}(25) + B_{\bar{N}}(N-81) = (N-85) + 25 + (N-81) = 2N - 141$$

$$(N \ge 294)$$

$$B_{\bar{N}}(2N+222) = B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+221)) + B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+220)) + B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+219))$$

$$= B_{\bar{N}}(2N+222-(2N-141)) + B_{\bar{N}}(2N+222-(N+306)) + B_{\bar{N}}(2N+222-(2N+196))$$

$$= B_{\bar{N}}(363) + B_{\bar{N}}(N-84) + B_{\bar{N}}(26) = 363 + (N-84) + 26 = N + 305$$

$$(N \ge 363)$$

$$B_{\bar{N}}(2N+223) = B_{\bar{N}}(2N+223 - B_{\bar{N}}(2N+222)) + B_{\bar{N}}(2N+223 - B_{\bar{N}}(2N+221)) + B_{\bar{N}}(2N+223 - B_{\bar{N}}(2N+220))$$

$$= B_{\bar{N}}(2N+223 - (N+305)) + B_{\bar{N}}(2N+223 - (2N-141)) + B_{\bar{N}}(2N+223 - (N+306))$$

$$= B_{\bar{N}}(N-82) + B_{\bar{N}}(364) + B_{\bar{N}}(N-83) = (N-82) + 364 + (N-83) = 2N + 199$$

$$(N \ge 364)$$

$$B_{\bar{N}}(2N+224) = B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+223)) + B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+222)) + B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+221))$$

$$= B_{\bar{N}}(2N+224-(2N+199)) + B_{\bar{N}}(2N+224-(N+305)) + B_{\bar{N}}(2N+224-(2N-141))$$

$$= B_{\bar{N}}(25) + B_{\bar{N}}(N-81) + B_{\bar{N}}(365) = 25 + (N-81) + 365 = N + 309$$

$$(N \ge 365)$$

$$B_{\bar{N}}(2N+225) = B_{\bar{N}}(2N+225 - B_{\bar{N}}(2N+224)) + B_{\bar{N}}(2N+225 - B_{\bar{N}}(2N+223)) + B_{\bar{N}}(2N+225 - B_{\bar{N}}(2N+222))$$

$$= B_{\bar{N}}(2N+225 - (N+309)) + B_{\bar{N}}(2N+225 - (2N+199)) + B_{\bar{N}}(2N+225 - (N+305))$$

$$= B_{\bar{N}}(N-84) + B_{\bar{N}}(26) + B_{\bar{N}}(N-80) = (N-84) + 26 + (N-80) = 2N - 138$$

$$(N > 295)$$

$$B_{\bar{N}}(2N+226) = B_{\bar{N}}(2N+226 - B_{\bar{N}}(2N+225)) + B_{\bar{N}}(2N+226 - B_{\bar{N}}(2N+224)) + B_{\bar{N}}(2N+226 - B_{\bar{N}}(2N+223))$$

$$= B_{\bar{N}}(2N+226 - (2N-138)) + B_{\bar{N}}(2N+226 - (N+309)) + B_{\bar{N}}(2N+226 - (2N+199))$$

$$= B_{\bar{N}}(364) + B_{\bar{N}}(N-83) + B_{\bar{N}}(27) = 364 + (N-83) + 27 = N + 308$$

$$(N \ge 364)$$

$$B_{\bar{N}}(2N+227) = B_{\bar{N}}(2N+227 - B_{\bar{N}}(2N+226)) + B_{\bar{N}}(2N+227 - B_{\bar{N}}(2N+225)) + B_{\bar{N}}(2N+227 - B_{\bar{N}}(2N+224))$$

$$= B_{\bar{N}}(2N+227 - (N+308)) + B_{\bar{N}}(2N+227 - (2N-138)) + B_{\bar{N}}(2N+227 - (N+309))$$

$$= B_{\bar{N}}(N-81) + B_{\bar{N}}(365) + B_{\bar{N}}(N-82) = (N-81) + 365 + (N-82) = 2N + 202$$

$$(N \ge 365)$$

$$B_{\bar{N}}(2N+228) = B_{\bar{N}}(2N+228 - B_{\bar{N}}(2N+227)) + B_{\bar{N}}(2N+228 - B_{\bar{N}}(2N+226)) + B_{\bar{N}}(2N+228 - B_{\bar{N}}(2N+225))$$

$$= B_{\bar{N}}(2N+228 - (2N+202)) + B_{\bar{N}}(2N+228 - (N+308)) + B_{\bar{N}}(2N+228 - (2N-138))$$

$$= B_{\bar{N}}(26) + B_{\bar{N}}(N-80) + B_{\bar{N}}(366) = 26 + (N-80) + 366 = N + 312$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+229) = B_{\bar{N}}(2N+229 - B_{\bar{N}}(2N+228)) + B_{\bar{N}}(2N+229 - B_{\bar{N}}(2N+227)) + B_{\bar{N}}(2N+229 - B_{\bar{N}}(2N+226))$$

$$= B_{\bar{N}}(2N+229 - (N+312)) + B_{\bar{N}}(2N+229 - (2N+202)) + B_{\bar{N}}(2N+229 - (N+308))$$

$$= B_{\bar{N}}(N-83) + B_{\bar{N}}(27) + B_{\bar{N}}(N-79) = (N-83) + 27 + (N-79) = 2N - 135$$

$$(N \ge 296)$$

$$B_{\bar{N}}(2N+230) = B_{\bar{N}}(2N+230 - B_{\bar{N}}(2N+229)) + B_{\bar{N}}(2N+230 - B_{\bar{N}}(2N+228)) + B_{\bar{N}}(2N+230 - B_{\bar{N}}(2N+227))$$

$$= B_{\bar{N}}(2N+230 - (2N-135)) + B_{\bar{N}}(2N+230 - (N+312)) + B_{\bar{N}}(2N+230 - (2N+202))$$

$$= B_{\bar{N}}(365) + B_{\bar{N}}(N-82) + B_{\bar{N}}(28) = 365 + (N-82) + 28 = N + 311$$

$$(N > 365)$$

$$B_{\bar{N}}(2N+231) = B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+230)) + B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+229)) + B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+228))$$

$$= B_{\bar{N}}(2N+231-(N+311)) + B_{\bar{N}}(2N+231-(2N-135)) + B_{\bar{N}}(2N+231-(N+312))$$

$$= B_{\bar{N}}(N-80) + B_{\bar{N}}(366) + B_{\bar{N}}(N-81) = (N-80) + 366 + (N-81) = 2N + 205$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+232) = B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+231)) + B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+230)) + B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+232))$$

$$= B_{\bar{N}}(2N+232-(2N+205)) + B_{\bar{N}}(2N+232-(N+311)) + B_{\bar{N}}(2N+232-(2N-135))$$

$$= B_{\bar{N}}(27) + B_{\bar{N}}(N-79) + B_{\bar{N}}(367) = 27 + (N-79) + 367 = N + 315$$

$$(N \ge 367)$$

$$B_{\bar{N}}(2N+233) = B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+232)) + B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+231)) + B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+230))$$

$$= B_{\bar{N}}(2N+233-(N+315)) + B_{\bar{N}}(2N+233-(2N+205)) + B_{\bar{N}}(2N+233-(N+311))$$

$$= B_{\bar{N}}(N-82) + B_{\bar{N}}(28) + B_{\bar{N}}(N-78) = (N-82) + 28 + (N-78) = 2N-132$$

$$(N \ge 297)$$

$$B_{\bar{N}}(2N+234) = B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+233)) + B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+232)) + B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+231))$$

$$= B_{\bar{N}}(2N+234-(2N-132)) + B_{\bar{N}}(2N+234-(N+315)) + B_{\bar{N}}(2N+234-(2N+205))$$

$$= B_{\bar{N}}(366) + B_{\bar{N}}(N-81) + B_{\bar{N}}(29) = 366 + (N-81) + 29 = N + 314$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+235) = B_{\bar{N}}(2N+235 - B_{\bar{N}}(2N+234)) + B_{\bar{N}}(2N+235 - B_{\bar{N}}(2N+233)) + B_{\bar{N}}(2N+235 - B_{\bar{N}}(2N+232))$$

$$= B_{\bar{N}}(2N+235 - (N+314)) + B_{\bar{N}}(2N+235 - (2N-132)) + B_{\bar{N}}(2N+235 - (N+315))$$

$$= B_{\bar{N}}(N-79) + B_{\bar{N}}(367) + B_{\bar{N}}(N-80) = (N-79) + 367 + (N-80) = 2N + 208$$

$$(N > 367)$$

$$B_{\bar{N}}(2N+236) = B_{\bar{N}}(2N+236 - B_{\bar{N}}(2N+235)) + B_{\bar{N}}(2N+236 - B_{\bar{N}}(2N+234)) + B_{\bar{N}}(2N+236 - B_{\bar{N}}(2N+233))$$

$$= B_{\bar{N}}(2N+236 - (2N+208)) + B_{\bar{N}}(2N+236 - (N+314)) + B_{\bar{N}}(2N+236 - (2N-132))$$

$$= B_{\bar{N}}(28) + B_{\bar{N}}(N-78) + B_{\bar{N}}(368) = 28 + (N-78) + 368 = N + 318$$

$$(N \ge 368)$$

$$B_{\bar{N}}(2N+237) = B_{\bar{N}}(2N+237 - B_{\bar{N}}(2N+236)) + B_{\bar{N}}(2N+237 - B_{\bar{N}}(2N+235)) + B_{\bar{N}}(2N+237 - B_{\bar{N}}(2N+234))$$

$$= B_{\bar{N}}(2N+237 - (N+318)) + B_{\bar{N}}(2N+237 - (2N+208)) + B_{\bar{N}}(2N+237 - (N+314))$$

$$= B_{\bar{N}}(N-81) + B_{\bar{N}}(29) + B_{\bar{N}}(N-77) = (N-81) + 29 + (N-77) = 2N-129$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+238) = B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+237)) + B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+236)) + B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+235))$$

$$= B_{\bar{N}}(2N+238-(2N-129)) + B_{\bar{N}}(2N+238-(N+318)) + B_{\bar{N}}(2N+238-(2N+208))$$

$$= B_{\bar{N}}(367) + B_{\bar{N}}(N-80) + B_{\bar{N}}(30) = 367 + (N-80) + 30 = N + 317$$

$$(N \ge 367)$$

$$B_{\bar{N}}(2N+239) = B_{\bar{N}}(2N+239 - B_{\bar{N}}(2N+238)) + B_{\bar{N}}(2N+239 - B_{\bar{N}}(2N+237)) + B_{\bar{N}}(2N+239 - B_{\bar{N}}(2N+236))$$

$$= B_{\bar{N}}(2N+239 - (N+317)) + B_{\bar{N}}(2N+239 - (2N-129)) + B_{\bar{N}}(2N+239 - (N+318))$$

$$= B_{\bar{N}}(N-78) + B_{\bar{N}}(368) + B_{\bar{N}}(N-79) = (N-78) + 368 + (N-79) = 2N + 211$$

$$(N \ge 368)$$

$$B_{\bar{N}}(2N+240) = B_{\bar{N}}(2N+240 - B_{\bar{N}}(2N+239)) + B_{\bar{N}}(2N+240 - B_{\bar{N}}(2N+238)) + B_{\bar{N}}(2N+240 - B_{\bar{N}}(2N+237))$$

$$= B_{\bar{N}}(2N+240 - (2N+211)) + B_{\bar{N}}(2N+240 - (N+317)) + B_{\bar{N}}(2N+240 - (2N-129))$$

$$= B_{\bar{N}}(29) + B_{\bar{N}}(N-77) + B_{\bar{N}}(369) = 29 + (N-77) + 369 = N + 321$$

$$(N > 369)$$

$$B_{\bar{N}}(2N+241) = B_{\bar{N}}(2N+241 - B_{\bar{N}}(2N+240)) + B_{\bar{N}}(2N+241 - B_{\bar{N}}(2N+239)) + B_{\bar{N}}(2N+241 - B_{\bar{N}}(2N+238))$$

$$= B_{\bar{N}}(2N+241 - (N+321)) + B_{\bar{N}}(2N+241 - (2N+211)) + B_{\bar{N}}(2N+241 - (N+317))$$

$$= B_{\bar{N}}(N-80) + B_{\bar{N}}(30) + B_{\bar{N}}(N-76) = (N-80) + 30 + (N-76) = 2N - 126$$

$$(N \ge 299)$$

$$B_{\bar{N}}(2N+242) = B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+241)) + B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+240)) + B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+239))$$

$$= B_{\bar{N}}(2N+242-(2N-126)) + B_{\bar{N}}(2N+242-(N+321)) + B_{\bar{N}}(2N+242-(2N+211))$$

$$= B_{\bar{N}}(368) + B_{\bar{N}}(N-79) + B_{\bar{N}}(31) = 368 + (N-79) + 31 = N + 320$$

$$(N \ge 368)$$

$$B_{\bar{N}}(2N+243) = B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+242)) + B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+241)) + B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+240))$$

$$= B_{\bar{N}}(2N+243-(N+320)) + B_{\bar{N}}(2N+243-(2N-126)) + B_{\bar{N}}(2N+243-(N+321))$$

$$= B_{\bar{N}}(N-77) + B_{\bar{N}}(369) + B_{\bar{N}}(N-78) = (N-77) + 369 + (N-78) = 2N + 214$$

$$(N \ge 369)$$

$$B_{\bar{N}}(2N+244) = B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+243)) + B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+242)) + B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+241))$$

$$= B_{\bar{N}}(2N+244-(2N+214)) + B_{\bar{N}}(2N+244-(N+320)) + B_{\bar{N}}(2N+244-(2N-126))$$

$$= B_{\bar{N}}(30) + B_{\bar{N}}(N-76) + B_{\bar{N}}(370) = 30 + (N-76) + 370 = N + 324$$

$$(N \ge 370)$$

$$B_{\bar{N}}(2N+245) = B_{\bar{N}}(2N+245 - B_{\bar{N}}(2N+244)) + B_{\bar{N}}(2N+245 - B_{\bar{N}}(2N+243)) + B_{\bar{N}}(2N+245 - B_{\bar{N}}(2N+242))$$

$$= B_{\bar{N}}(2N+245 - (N+324)) + B_{\bar{N}}(2N+245 - (2N+214)) + B_{\bar{N}}(2N+245 - (N+320))$$

$$= B_{\bar{N}}(N-79) + B_{\bar{N}}(31) + B_{\bar{N}}(N-75) = (N-79) + 31 + (N-75) = 2N-123$$

$$(N > 300)$$

$$B_{\bar{N}}(2N+246) = B_{\bar{N}}(2N+246 - B_{\bar{N}}(2N+245)) + B_{\bar{N}}(2N+246 - B_{\bar{N}}(2N+244)) + B_{\bar{N}}(2N+246 - B_{\bar{N}}(2N+243))$$

$$= B_{\bar{N}}(2N+246 - (2N-123)) + B_{\bar{N}}(2N+246 - (N+324)) + B_{\bar{N}}(2N+246 - (2N+214))$$

$$= B_{\bar{N}}(369) + B_{\bar{N}}(N-78) + B_{\bar{N}}(32) = 369 + (N-78) + 32 = N + 323$$

$$(N \ge 369)$$

$$B_{\bar{N}}(2N+247) = B_{\bar{N}}(2N+247 - B_{\bar{N}}(2N+246)) + B_{\bar{N}}(2N+247 - B_{\bar{N}}(2N+245)) + B_{\bar{N}}(2N+247 - B_{\bar{N}}(2N+244))$$

$$= B_{\bar{N}}(2N+247 - (N+323)) + B_{\bar{N}}(2N+247 - (2N-123)) + B_{\bar{N}}(2N+247 - (N+324))$$

$$= B_{\bar{N}}(N-76) + B_{\bar{N}}(370) + B_{\bar{N}}(N-77) = (N-76) + 370 + (N-77) = 2N + 217$$

$$(N \ge 370)$$

$$B_{\bar{N}}(2N+248) = B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+247)) + B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+246)) + B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+245))$$

$$= B_{\bar{N}}(2N+248-(2N+217)) + B_{\bar{N}}(2N+248-(N+323)) + B_{\bar{N}}(2N+248-(2N-123))$$

$$= B_{\bar{N}}(31) + B_{\bar{N}}(N-75) + B_{\bar{N}}(371) = 31 + (N-75) + 371 = N + 327$$

$$(N \ge 371)$$

$$B_{\bar{N}}(2N+249) = B_{\bar{N}}(2N+249 - B_{\bar{N}}(2N+248)) + B_{\bar{N}}(2N+249 - B_{\bar{N}}(2N+247)) + B_{\bar{N}}(2N+249 - B_{\bar{N}}(2N+246))$$

$$= B_{\bar{N}}(2N+249 - (N+327)) + B_{\bar{N}}(2N+249 - (2N+217)) + B_{\bar{N}}(2N+249 - (N+323))$$

$$= B_{\bar{N}}(N-78) + B_{\bar{N}}(32) + B_{\bar{N}}(N-74) = (N-78) + 32 + (N-74) = 2N - 120$$

$$(N \ge 301)$$

$$B_{\bar{N}}(2N+250) = B_{\bar{N}}(2N+250 - B_{\bar{N}}(2N+249)) + B_{\bar{N}}(2N+250 - B_{\bar{N}}(2N+248)) + B_{\bar{N}}(2N+250 - B_{\bar{N}}(2N+247))$$

$$= B_{\bar{N}}(2N+250 - (2N-120)) + B_{\bar{N}}(2N+250 - (N+327)) + B_{\bar{N}}(2N+250 - (2N+217))$$

$$= B_{\bar{N}}(370) + B_{\bar{N}}(N-77) + B_{\bar{N}}(33) = 370 + (N-77) + 33 = N + 326$$

$$(N > 370)$$

$$B_{\bar{N}}(2N+251) = B_{\bar{N}}(2N+251 - B_{\bar{N}}(2N+250)) + B_{\bar{N}}(2N+251 - B_{\bar{N}}(2N+249)) + B_{\bar{N}}(2N+251 - B_{\bar{N}}(2N+248))$$

$$= B_{\bar{N}}(2N+251 - (N+326)) + B_{\bar{N}}(2N+251 - (2N-120)) + B_{\bar{N}}(2N+251 - (N+327))$$

$$= B_{\bar{N}}(N-75) + B_{\bar{N}}(371) + B_{\bar{N}}(N-76) = (N-75) + 371 + (N-76) = 2N + 220$$

$$(N \ge 371)$$

$$B_{\bar{N}}(2N+252) = B_{\bar{N}}(2N+252 - B_{\bar{N}}(2N+251)) + B_{\bar{N}}(2N+252 - B_{\bar{N}}(2N+250)) + B_{\bar{N}}(2N+252 - B_{\bar{N}}(2N+249))$$

$$= B_{\bar{N}}(2N+252 - (2N+220)) + B_{\bar{N}}(2N+252 - (N+326)) + B_{\bar{N}}(2N+252 - (2N-120))$$

$$= B_{\bar{N}}(32) + B_{\bar{N}}(N-74) + B_{\bar{N}}(372) = 32 + (N-74) + 372 = N + 330$$

$$(N \ge 372)$$

$$B_{\bar{N}}(2N+253) = B_{\bar{N}}(2N+253 - B_{\bar{N}}(2N+252)) + B_{\bar{N}}(2N+253 - B_{\bar{N}}(2N+251)) + B_{\bar{N}}(2N+253 - B_{\bar{N}}(2N+250))$$

$$= B_{\bar{N}}(2N+253 - (N+330)) + B_{\bar{N}}(2N+253 - (2N+220)) + B_{\bar{N}}(2N+253 - (N+326))$$

$$= B_{\bar{N}}(N-77) + B_{\bar{N}}(33) + B_{\bar{N}}(N-73) = (N-77) + 33 + (N-73) = 2N - 117$$

$$(N > 322)$$

$$B_{\bar{N}}(2N+254) = B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+253)) + B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+252)) + B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+251))$$

$$= B_{\bar{N}}(2N+254-(2N-117)) + B_{\bar{N}}(2N+254-(N+330)) + B_{\bar{N}}(2N+254-(2N+220))$$

$$= B_{\bar{N}}(371) + B_{\bar{N}}(N-76) + B_{\bar{N}}(34) = 371 + (N-76) + 34 = N + 329$$

$$(N > 2087) *$$

$$B_{\bar{N}}(2N+255) = B_{\bar{N}}(2N+255 - B_{\bar{N}}(2N+254)) + B_{\bar{N}}(2N+255 - B_{\bar{N}}(2N+253)) + B_{\bar{N}}(2N+255 - B_{\bar{N}}(2N+252))$$

$$= B_{\bar{N}}(2N+255 - (N+329)) + B_{\bar{N}}(2N+255 - (2N-117)) + B_{\bar{N}}(2N+255 - (N+330))$$

$$= B_{\bar{N}}(N-74) + B_{\bar{N}}(372) + B_{\bar{N}}(N-75) = (N-74) + 372 + (N-75) = 2N + 223$$

$$(N \ge 372)$$

$$B_{\bar{N}}(2N+256) = B_{\bar{N}}(2N+256 - B_{\bar{N}}(2N+255)) + B_{\bar{N}}(2N+256 - B_{\bar{N}}(2N+254)) + B_{\bar{N}}(2N+256 - B_{\bar{N}}(2N+253))$$

$$= B_{\bar{N}}(2N+256 - (2N+223)) + B_{\bar{N}}(2N+256 - (N+329)) + B_{\bar{N}}(2N+256 - (2N-117))$$

$$= B_{\bar{N}}(33) + B_{\bar{N}}(N-73) + B_{\bar{N}}(373) = 33 + (N-73) + 373 = N + 333$$

$$(N > 373)$$

$$B_{\bar{N}}(2N+257) = B_{\bar{N}}(2N+257 - B_{\bar{N}}(2N+256)) + B_{\bar{N}}(2N+257 - B_{\bar{N}}(2N+255)) + B_{\bar{N}}(2N+257 - B_{\bar{N}}(2N+254))$$

$$= B_{\bar{N}}(2N+257 - (N+333)) + B_{\bar{N}}(2N+257 - (2N+223)) + B_{\bar{N}}(2N+257 - (N+329))$$

$$= B_{\bar{N}}(N-76) + B_{\bar{N}}(34) + B_{\bar{N}}(N-72) = (N-76) + 34 + (N-72) = 2N - 114$$

$$(N > 303)$$

$$B_{\bar{N}}(2N+258) = B_{\bar{N}}(2N+258 - B_{\bar{N}}(2N+257)) + B_{\bar{N}}(2N+258 - B_{\bar{N}}(2N+256)) + B_{\bar{N}}(2N+258 - B_{\bar{N}}(2N+255))$$

$$= B_{\bar{N}}(2N+258 - (2N-114)) + B_{\bar{N}}(2N+258 - (N+333)) + B_{\bar{N}}(2N+258 - (2N+223))$$

$$= B_{\bar{N}}(372) + B_{\bar{N}}(N-75) + B_{\bar{N}}(35) = 372 + (N-75) + 35 = N + 332$$

$$(N > 372)$$

$$B_{\bar{N}}(2N+259) = B_{\bar{N}}(2N+259 - B_{\bar{N}}(2N+258)) + B_{\bar{N}}(2N+259 - B_{\bar{N}}(2N+257)) + B_{\bar{N}}(2N+259 - B_{\bar{N}}(2N+259)) = B_{\bar{N}}(2N+259 - (N+332)) + B_{\bar{N}}(2N+259 - (2N-114)) + B_{\bar{N}}(2N+259 - (N+333)) = B_{\bar{N}}(N-73) + B_{\bar{N}}(373) + B_{\bar{N}}(N-74) = (N-73) + 373 + (N-74) = 2N + 226 (N > 373)$$

$$B_{\bar{N}}(2N+260) = B_{\bar{N}}(2N+260 - B_{\bar{N}}(2N+259)) + B_{\bar{N}}(2N+260 - B_{\bar{N}}(2N+258)) + B_{\bar{N}}(2N+260 - B_{\bar{N}}(2N+257))$$

$$= B_{\bar{N}}(2N+260 - (2N+226)) + B_{\bar{N}}(2N+260 - (N+332)) + B_{\bar{N}}(2N+260 - (2N-114))$$

$$= B_{\bar{N}}(34) + B_{\bar{N}}(N-72) + B_{\bar{N}}(374) = 34 + (N-72) + 374 = N + 336$$

$$(N > 374)$$

$$B_{\bar{N}}(2N+261) = B_{\bar{N}}(2N+261 - B_{\bar{N}}(2N+260)) + B_{\bar{N}}(2N+261 - B_{\bar{N}}(2N+259)) + B_{\bar{N}}(2N+261 - B_{\bar{N}}(2N+258))$$

$$= B_{\bar{N}}(2N+261 - (N+336)) + B_{\bar{N}}(2N+261 - (2N+226)) + B_{\bar{N}}(2N+261 - (N+332))$$

$$= B_{\bar{N}}(N-75) + B_{\bar{N}}(35) + B_{\bar{N}}(N-71) = (N-75) + 35 + (N-71) = 2N - 111$$

$$(N \ge 304)$$

$$B_{\bar{N}}(2N+262) = B_{\bar{N}}(2N+262 - B_{\bar{N}}(2N+261)) + B_{\bar{N}}(2N+262 - B_{\bar{N}}(2N+260)) + B_{\bar{N}}(2N+262 - B_{\bar{N}}(2N+259))$$

$$= B_{\bar{N}}(2N+262 - (2N-111)) + B_{\bar{N}}(2N+262 - (N+336)) + B_{\bar{N}}(2N+262 - (2N+226))$$

$$= B_{\bar{N}}(373) + B_{\bar{N}}(N-74) + B_{\bar{N}}(36) = 373 + (N-74) + 36 = N+335$$

$$(N \ge 373)$$

$$B_{\bar{N}}(2N+263) = B_{\bar{N}}(2N+263 - B_{\bar{N}}(2N+262)) + B_{\bar{N}}(2N+263 - B_{\bar{N}}(2N+261)) + B_{\bar{N}}(2N+263 - B_{\bar{N}}(2N+260))$$

$$= B_{\bar{N}}(2N+263 - (N+335)) + B_{\bar{N}}(2N+263 - (2N-111)) + B_{\bar{N}}(2N+263 - (N+336))$$

$$= B_{\bar{N}}(N-72) + B_{\bar{N}}(374) + B_{\bar{N}}(N-73) = (N-72) + 374 + (N-73) = 2N + 229$$

$$(N \ge 374)$$

$$B_{\bar{N}}(2N+264) = B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+263)) + B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+262)) + B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+261))$$

$$= B_{\bar{N}}(2N+264-(2N+229)) + B_{\bar{N}}(2N+264-(N+335)) + B_{\bar{N}}(2N+264-(2N-111))$$

$$= B_{\bar{N}}(35) + B_{\bar{N}}(N-71) + B_{\bar{N}}(375) = 35 + (N-71) + 375 = N + 339$$

$$(N > 375)$$

$$B_{\bar{N}}(2N+265) = B_{\bar{N}}(2N+265 - B_{\bar{N}}(2N+264)) + B_{\bar{N}}(2N+265 - B_{\bar{N}}(2N+263)) + B_{\bar{N}}(2N+265 - B_{\bar{N}}(2N+262))$$

$$= B_{\bar{N}}(2N+265 - (N+339)) + B_{\bar{N}}(2N+265 - (2N+229)) + B_{\bar{N}}(2N+265 - (N+335))$$

$$= B_{\bar{N}}(N-74) + B_{\bar{N}}(36) + B_{\bar{N}}(N-70) = (N-74) + 36 + (N-70) = 2N - 108$$

$$(N > 305)$$

$$B_{\bar{N}}(2N+266) = B_{\bar{N}}(2N+266 - B_{\bar{N}}(2N+265)) + B_{\bar{N}}(2N+266 - B_{\bar{N}}(2N+264)) + B_{\bar{N}}(2N+266 - B_{\bar{N}}(2N+263))$$

$$= B_{\bar{N}}(2N+266 - (2N-108)) + B_{\bar{N}}(2N+266 - (N+339)) + B_{\bar{N}}(2N+266 - (2N+229))$$

$$= B_{\bar{N}}(374) + B_{\bar{N}}(N-73) + B_{\bar{N}}(37) = 374 + (N-73) + 37 = N + 338$$

$$(N \ge 374)$$

$$B_{\bar{N}}(2N+267) = B_{\bar{N}}(2N+267 - B_{\bar{N}}(2N+266)) + B_{\bar{N}}(2N+267 - B_{\bar{N}}(2N+265)) + B_{\bar{N}}(2N+267 - B_{\bar{N}}(2N+264))$$

$$= B_{\bar{N}}(2N+267 - (N+338)) + B_{\bar{N}}(2N+267 - (2N-108)) + B_{\bar{N}}(2N+267 - (N+339))$$

$$= B_{\bar{N}}(N-71) + B_{\bar{N}}(375) + B_{\bar{N}}(N-72) = (N-71) + 375 + (N-72) = 2N + 232$$

$$(N \ge 375)$$

$$B_{\bar{N}}(2N+268) = B_{\bar{N}}(2N+268 - B_{\bar{N}}(2N+267)) + B_{\bar{N}}(2N+268 - B_{\bar{N}}(2N+266)) + B_{\bar{N}}(2N+268 - B_{\bar{N}}(2N+265))$$

$$= B_{\bar{N}}(2N+268 - (2N+232)) + B_{\bar{N}}(2N+268 - (N+338)) + B_{\bar{N}}(2N+268 - (2N-108))$$

$$= B_{\bar{N}}(36) + B_{\bar{N}}(N-70) + B_{\bar{N}}(376) = 36 + (N-70) + 376 = N + 342$$

$$(N > 376)$$

$$B_{\bar{N}}(2N+269) = B_{\bar{N}}(2N+269 - B_{\bar{N}}(2N+268)) + B_{\bar{N}}(2N+269 - B_{\bar{N}}(2N+267)) + B_{\bar{N}}(2N+269 - B_{\bar{N}}(2N+266))$$

$$= B_{\bar{N}}(2N+269 - (N+342)) + B_{\bar{N}}(2N+269 - (2N+232)) + B_{\bar{N}}(2N+269 - (N+338))$$

$$= B_{\bar{N}}(N-73) + B_{\bar{N}}(37) + B_{\bar{N}}(N-69) = (N-73) + 37 + (N-69) = 2N - 105$$

$$(N \ge 306)$$

$$B_{\bar{N}}(2N+270) = B_{\bar{N}}(2N+270 - B_{\bar{N}}(2N+269)) + B_{\bar{N}}(2N+270 - B_{\bar{N}}(2N+268)) + B_{\bar{N}}(2N+270 - B_{\bar{N}}(2N+267))$$

$$= B_{\bar{N}}(2N+270 - (2N-105)) + B_{\bar{N}}(2N+270 - (N+342)) + B_{\bar{N}}(2N+270 - (2N+232))$$

$$= B_{\bar{N}}(375) + B_{\bar{N}}(N-72) + B_{\bar{N}}(38) = 375 + (N-72) + 38 = N + 341$$

$$(N > 375)$$

$$B_{\bar{N}}(2N+271) = B_{\bar{N}}(2N+271 - B_{\bar{N}}(2N+270)) + B_{\bar{N}}(2N+271 - B_{\bar{N}}(2N+269)) + B_{\bar{N}}(2N+271 - B_{\bar{N}}(2N+268))$$

$$= B_{\bar{N}}(2N+271 - (N+341)) + B_{\bar{N}}(2N+271 - (2N-105)) + B_{\bar{N}}(2N+271 - (N+342))$$

$$= B_{\bar{N}}(N-70) + B_{\bar{N}}(376) + B_{\bar{N}}(N-71) = (N-70) + 376 + (N-71) = 2N + 235$$

$$(N \ge 376)$$

$$B_{\bar{N}}(2N+272) = B_{\bar{N}}(2N+272 - B_{\bar{N}}(2N+271)) + B_{\bar{N}}(2N+272 - B_{\bar{N}}(2N+270)) + B_{\bar{N}}(2N+272 - B_{\bar{N}}(2N+269))$$

$$= B_{\bar{N}}(2N+272 - (2N+235)) + B_{\bar{N}}(2N+272 - (N+341)) + B_{\bar{N}}(2N+272 - (2N-105))$$

$$= B_{\bar{N}}(37) + B_{\bar{N}}(N-69) + B_{\bar{N}}(377) = 37 + (N-69) + 377 = N + 345$$

$$(N \ge 377)$$

$$B_{\bar{N}}(2N+273) = B_{\bar{N}}(2N+273 - B_{\bar{N}}(2N+272)) + B_{\bar{N}}(2N+273 - B_{\bar{N}}(2N+271)) + B_{\bar{N}}(2N+273 - B_{\bar{N}}(2N+270))$$

$$= B_{\bar{N}}(2N+273 - (N+345)) + B_{\bar{N}}(2N+273 - (2N+235)) + B_{\bar{N}}(2N+273 - (N+341))$$

$$= B_{\bar{N}}(N-72) + B_{\bar{N}}(38) + B_{\bar{N}}(N-68) = (N-72) + 38 + (N-68) = 2N - 102$$

$$(N \ge 307)$$

$$B_{\bar{N}}(2N+274) = B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+273)) + B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+272)) + B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+271))$$

$$= B_{\bar{N}}(2N+274-(2N-102)) + B_{\bar{N}}(2N+274-(N+345)) + B_{\bar{N}}(2N+274-(2N+235))$$

$$= B_{\bar{N}}(376) + B_{\bar{N}}(N-71) + B_{\bar{N}}(39) = 376 + (N-71) + 39 = N + 344$$

$$(N \ge 376)$$

$$B_{\bar{N}}(2N+275) = B_{\bar{N}}(2N+275 - B_{\bar{N}}(2N+274)) + B_{\bar{N}}(2N+275 - B_{\bar{N}}(2N+273)) + B_{\bar{N}}(2N+275 - B_{\bar{N}}(2N+272))$$

$$= B_{\bar{N}}(2N+275 - (N+344)) + B_{\bar{N}}(2N+275 - (2N-102)) + B_{\bar{N}}(2N+275 - (N+345))$$

$$= B_{\bar{N}}(N-69) + B_{\bar{N}}(377) + B_{\bar{N}}(N-70) = (N-69) + 377 + (N-70) = 2N + 238$$

$$(N > 377)$$

$$B_{\bar{N}}(2N+276) = B_{\bar{N}}(2N+276 - B_{\bar{N}}(2N+275)) + B_{\bar{N}}(2N+276 - B_{\bar{N}}(2N+274)) + B_{\bar{N}}(2N+276 - B_{\bar{N}}(2N+273))$$

$$= B_{\bar{N}}(2N+276 - (2N+238)) + B_{\bar{N}}(2N+276 - (N+344)) + B_{\bar{N}}(2N+276 - (2N-102))$$

$$= B_{\bar{N}}(38) + B_{\bar{N}}(N-68) + B_{\bar{N}}(378) = 38 + (N-68) + 378 = N + 348$$

$$(N \ge 378)$$

$$B_{\bar{N}}(2N+277) = B_{\bar{N}}(2N+277 - B_{\bar{N}}(2N+276)) + B_{\bar{N}}(2N+277 - B_{\bar{N}}(2N+275)) + B_{\bar{N}}(2N+277 - B_{\bar{N}}(2N+274))$$

$$= B_{\bar{N}}(2N+277 - (N+348)) + B_{\bar{N}}(2N+277 - (2N+238)) + B_{\bar{N}}(2N+277 - (N+344))$$

$$= B_{\bar{N}}(N-71) + B_{\bar{N}}(39) + B_{\bar{N}}(N-67) = (N-71) + 39 + (N-67) = 2N-99$$

$$(N \ge 308)$$

$$B_{\bar{N}}(2N+278) = B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+277)) + B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+276)) + B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+275))$$

$$= B_{\bar{N}}(2N+278-(2N-99)) + B_{\bar{N}}(2N+278-(N+348)) + B_{\bar{N}}(2N+278-(2N+238))$$

$$= B_{\bar{N}}(377) + B_{\bar{N}}(N-70) + B_{\bar{N}}(40) = 377 + (N-70) + 40 = N + 347$$

$$(N \ge 377)$$

$$B_{\bar{N}}(2N+279) = B_{\bar{N}}(2N+279 - B_{\bar{N}}(2N+278)) + B_{\bar{N}}(2N+279 - B_{\bar{N}}(2N+277)) + B_{\bar{N}}(2N+279 - B_{\bar{N}}(2N+276))$$

$$= B_{\bar{N}}(2N+279 - (N+347)) + B_{\bar{N}}(2N+279 - (2N-99)) + B_{\bar{N}}(2N+279 - (N+348))$$

$$= B_{\bar{N}}(N-68) + B_{\bar{N}}(378) + B_{\bar{N}}(N-69) = (N-68) + 378 + (N-69) = 2N + 241$$

$$(N \ge 378)$$

$$B_{\bar{N}}(2N+280) = B_{\bar{N}}(2N+280 - B_{\bar{N}}(2N+279)) + B_{\bar{N}}(2N+280 - B_{\bar{N}}(2N+278)) + B_{\bar{N}}(2N+280 - B_{\bar{N}}(2N+277))$$

$$= B_{\bar{N}}(2N+280 - (2N+241)) + B_{\bar{N}}(2N+280 - (N+347)) + B_{\bar{N}}(2N+280 - (2N-99))$$

$$= B_{\bar{N}}(39) + B_{\bar{N}}(N-67) + B_{\bar{N}}(379) = 39 + (N-67) + 379 = N + 351$$

$$(N > 379)$$

$$B_{\bar{N}}(2N+281) = B_{\bar{N}}(2N+281 - B_{\bar{N}}(2N+280)) + B_{\bar{N}}(2N+281 - B_{\bar{N}}(2N+279)) + B_{\bar{N}}(2N+281 - B_{\bar{N}}(2N+278))$$

$$= B_{\bar{N}}(2N+281 - (N+351)) + B_{\bar{N}}(2N+281 - (2N+241)) + B_{\bar{N}}(2N+281 - (N+347))$$

$$= B_{\bar{N}}(N-70) + B_{\bar{N}}(40) + B_{\bar{N}}(N-66) = (N-70) + 40 + (N-66) = 2N-96$$

$$(N \ge 309)$$

$$B_{\bar{N}}(2N+282) = B_{\bar{N}}(2N+282 - B_{\bar{N}}(2N+281)) + B_{\bar{N}}(2N+282 - B_{\bar{N}}(2N+280)) + B_{\bar{N}}(2N+282 - B_{\bar{N}}(2N+279))$$

$$= B_{\bar{N}}(2N+282 - (2N-96)) + B_{\bar{N}}(2N+282 - (N+351)) + B_{\bar{N}}(2N+282 - (2N+241))$$

$$= B_{\bar{N}}(378) + B_{\bar{N}}(N-69) + B_{\bar{N}}(41) = 378 + (N-69) + 41 = N + 350$$

$$(N \ge 378)$$

$$B_{\bar{N}}(2N+283) = B_{\bar{N}}(2N+283 - B_{\bar{N}}(2N+282)) + B_{\bar{N}}(2N+283 - B_{\bar{N}}(2N+281)) + B_{\bar{N}}(2N+283 - B_{\bar{N}}(2N+280))$$

$$= B_{\bar{N}}(2N+283 - (N+350)) + B_{\bar{N}}(2N+283 - (2N-96)) + B_{\bar{N}}(2N+283 - (N+351))$$

$$= B_{\bar{N}}(N-67) + B_{\bar{N}}(379) + B_{\bar{N}}(N-68) = (N-67) + 379 + (N-68) = 2N + 244$$

$$(N > 379)$$

$$B_{\bar{N}}(2N+284) = B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+283)) + B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+282)) + B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+281))$$

$$= B_{\bar{N}}(2N+284-(2N+244)) + B_{\bar{N}}(2N+284-(N+350)) + B_{\bar{N}}(2N+284-(2N-96))$$

$$= B_{\bar{N}}(40) + B_{\bar{N}}(N-66) + B_{\bar{N}}(380) = 40 + (N-66) + 380 = N + 354$$

$$(N \ge 380)$$

$$B_{\bar{N}}(2N+285) = B_{\bar{N}}(2N+285 - B_{\bar{N}}(2N+284)) + B_{\bar{N}}(2N+285 - B_{\bar{N}}(2N+283)) + B_{\bar{N}}(2N+285 - B_{\bar{N}}(2N+282))$$

$$= B_{\bar{N}}(2N+285 - (N+354)) + B_{\bar{N}}(2N+285 - (2N+244)) + B_{\bar{N}}(2N+285 - (N+350))$$

$$= B_{\bar{N}}(N-69) + B_{\bar{N}}(41) + B_{\bar{N}}(N-65) = (N-69) + 41 + (N-65) = 2N-93$$

$$(N > 310)$$

$$B_{\bar{N}}(2N+286) = B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+285)) + B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+284)) + B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+283))$$

$$= B_{\bar{N}}(2N+286-(2N-93)) + B_{\bar{N}}(2N+286-(N+354)) + B_{\bar{N}}(2N+286-(2N+244))$$

$$= B_{\bar{N}}(379) + B_{\bar{N}}(N-68) + B_{\bar{N}}(42) = 379 + (N-68) + 42 = N + 353$$

$$(N \ge 379)$$

$$B_{\bar{N}}(2N+287) = B_{\bar{N}}(2N+287 - B_{\bar{N}}(2N+286)) + B_{\bar{N}}(2N+287 - B_{\bar{N}}(2N+285)) + B_{\bar{N}}(2N+287 - B_{\bar{N}}(2N+284))$$

$$= B_{\bar{N}}(2N+287 - (N+353)) + B_{\bar{N}}(2N+287 - (2N-93)) + B_{\bar{N}}(2N+287 - (N+354))$$

$$= B_{\bar{N}}(N-66) + B_{\bar{N}}(380) + B_{\bar{N}}(N-67) = (N-66) + 380 + (N-67) = 2N + 247$$

$$(N \ge 380)$$

$$B_{\bar{N}}(2N+288) = B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+287)) + B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+286)) + B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+285))$$

$$= B_{\bar{N}}(2N+288-(2N+247)) + B_{\bar{N}}(2N+288-(N+353)) + B_{\bar{N}}(2N+288-(2N-93))$$

$$= B_{\bar{N}}(41) + B_{\bar{N}}(N-65) + B_{\bar{N}}(381) = 41 + (N-65) + 381 = N + 357$$

$$(N \ge 381)$$

$$B_{\bar{N}}(2N+289) = B_{\bar{N}}(2N+289 - B_{\bar{N}}(2N+288)) + B_{\bar{N}}(2N+289 - B_{\bar{N}}(2N+287)) + B_{\bar{N}}(2N+289 - B_{\bar{N}}(2N+286))$$

$$= B_{\bar{N}}(2N+289 - (N+357)) + B_{\bar{N}}(2N+289 - (2N+247)) + B_{\bar{N}}(2N+289 - (N+353))$$

$$= B_{\bar{N}}(N-68) + B_{\bar{N}}(42) + B_{\bar{N}}(N-64) = (N-68) + 42 + (N-64) = 2N-90$$

$$(N \ge 311)$$

$$B_{\bar{N}}(2N+290) = B_{\bar{N}}(2N+290 - B_{\bar{N}}(2N+289)) + B_{\bar{N}}(2N+290 - B_{\bar{N}}(2N+288)) + B_{\bar{N}}(2N+290 - B_{\bar{N}}(2N+287))$$

$$= B_{\bar{N}}(2N+290 - (2N-90)) + B_{\bar{N}}(2N+290 - (N+357)) + B_{\bar{N}}(2N+290 - (2N+247))$$

$$= B_{\bar{N}}(380) + B_{\bar{N}}(N-67) + B_{\bar{N}}(43) = 380 + (N-67) + 43 = N + 356$$

$$(N > 380)$$

$$B_{\bar{N}}(2N+291) = B_{\bar{N}}(2N+291 - B_{\bar{N}}(2N+290)) + B_{\bar{N}}(2N+291 - B_{\bar{N}}(2N+291) + B_{\bar{N}}(2N+291 - B_{\bar{N$$

$$B_{\bar{N}}(2N+292) = B_{\bar{N}}(2N+292 - B_{\bar{N}}(2N+291)) + B_{\bar{N}}(2N+292 - B_{\bar{N}}(2N+290)) + B_{\bar{N}}(2N+292 - B_{\bar{N}}(2N+289))$$

$$= B_{\bar{N}}(2N+292 - (2N+250)) + B_{\bar{N}}(2N+292 - (N+356)) + B_{\bar{N}}(2N+292 - (2N-90))$$

$$= B_{\bar{N}}(42) + B_{\bar{N}}(N-64) + B_{\bar{N}}(382) = 42 + (N-64) + 382 = N + 360$$

$$(N \ge 382)$$

$$B_{\bar{N}}(2N+293) = B_{\bar{N}}(2N+293 - B_{\bar{N}}(2N+292)) + B_{\bar{N}}(2N+293 - B_{\bar{N}}(2N+291)) + B_{\bar{N}}(2N+293 - B_{\bar{N}}(2N+290))$$

$$= B_{\bar{N}}(2N+293 - (N+360)) + B_{\bar{N}}(2N+293 - (2N+250)) + B_{\bar{N}}(2N+293 - (N+356))$$

$$= B_{\bar{N}}(N-67) + B_{\bar{N}}(43) + B_{\bar{N}}(N-63) = (N-67) + 43 + (N-63) = 2N-87$$

$$(N \ge 312)$$

$$B_{\bar{N}}(2N+294) = B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+293)) + B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+292)) + B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+291))$$

$$= B_{\bar{N}}(2N+294-(2N-87)) + B_{\bar{N}}(2N+294-(N+360)) + B_{\bar{N}}(2N+294-(2N+250))$$

$$= B_{\bar{N}}(381) + B_{\bar{N}}(N-66) + B_{\bar{N}}(44) = 381 + (N-66) + 44 = N + 359$$

$$(N > 381)$$

$$B_{\bar{N}}(2N+295) = B_{\bar{N}}(2N+295 - B_{\bar{N}}(2N+294)) + B_{\bar{N}}(2N+295 - B_{\bar{N}}(2N+293)) + B_{\bar{N}}(2N+295 - B_{\bar{N}}(2N+292))$$

$$= B_{\bar{N}}(2N+295 - (N+359)) + B_{\bar{N}}(2N+295 - (2N-87)) + B_{\bar{N}}(2N+295 - (N+360))$$

$$= B_{\bar{N}}(N-64) + B_{\bar{N}}(382) + B_{\bar{N}}(N-65) = (N-64) + 382 + (N-65) = 2N + 253$$

$$(N > 382)$$

$$B_{\bar{N}}(2N+296) = B_{\bar{N}}(2N+296 - B_{\bar{N}}(2N+295)) + B_{\bar{N}}(2N+296 - B_{\bar{N}}(2N+294)) + B_{\bar{N}}(2N+296 - B_{\bar{N}}(2N+293))$$

$$= B_{\bar{N}}(2N+296 - (2N+253)) + B_{\bar{N}}(2N+296 - (N+359)) + B_{\bar{N}}(2N+296 - (2N-87))$$

$$= B_{\bar{N}}(43) + B_{\bar{N}}(N-63) + B_{\bar{N}}(383) = 43 + (N-63) + 383 = N + 363$$

$$(N > 383)$$

$$B_{\bar{N}}(2N+297) = B_{\bar{N}}(2N+297 - B_{\bar{N}}(2N+296)) + B_{\bar{N}}(2N+297 - B_{\bar{N}}(2N+295)) + B_{\bar{N}}(2N+297 - B_{\bar{N}}(2N+294))$$

$$= B_{\bar{N}}(2N+297 - (N+363)) + B_{\bar{N}}(2N+297 - (2N+253)) + B_{\bar{N}}(2N+297 - (N+359))$$

$$= B_{\bar{N}}(N-66) + B_{\bar{N}}(44) + B_{\bar{N}}(N-62) = (N-66) + 44 + (N-62) = 2N-84$$

$$(N \ge 313)$$

$$B_{\bar{N}}(2N+298) = B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+297)) + B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+296)) + B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+295))$$

$$= B_{\bar{N}}(2N+298-(2N-84)) + B_{\bar{N}}(2N+298-(N+363)) + B_{\bar{N}}(2N+298-(2N+253))$$

$$= B_{\bar{N}}(382) + B_{\bar{N}}(N-65) + B_{\bar{N}}(45) = 382 + (N-65) + 45 = N + 362$$

$$(N > 382)$$

$$B_{\bar{N}}(2N+299) = B_{\bar{N}}(2N+299 - B_{\bar{N}}(2N+298)) + B_{\bar{N}}(2N+299 - B_{\bar{N}}(2N+297)) + B_{\bar{N}}(2N+299 - B_{\bar{N}}(2N+296))$$

$$= B_{\bar{N}}(2N+299 - (N+362)) + B_{\bar{N}}(2N+299 - (2N-84)) + B_{\bar{N}}(2N+299 - (N+363))$$

$$= B_{\bar{N}}(N-63) + B_{\bar{N}}(383) + B_{\bar{N}}(N-64) = (N-63) + 383 + (N-64) = 2N + 256$$

$$(N \ge 383)$$

$$B_{\bar{N}}(2N+300) = B_{\bar{N}}(2N+300 - B_{\bar{N}}(2N+299)) + B_{\bar{N}}(2N+300 - B_{\bar{N}}(2N+298)) + B_{\bar{N}}(2N+300 - B_{\bar{N}}(2N+297))$$

$$= B_{\bar{N}}(2N+300 - (2N+256)) + B_{\bar{N}}(2N+300 - (N+362)) + B_{\bar{N}}(2N+300 - (2N-84))$$

$$= B_{\bar{N}}(44) + B_{\bar{N}}(N-62) + B_{\bar{N}}(384) = 44 + (N-62) + 384 = N + 366$$

$$(N \ge 384)$$

$$B_{\bar{N}}(2N+301) = B_{\bar{N}}(2N+301 - B_{\bar{N}}(2N+300)) + B_{\bar{N}}(2N+301 - B_{\bar{N}}(2N+299)) + B_{\bar{N}}(2N+301 - B_{\bar{N}}(2N+298))$$

$$= B_{\bar{N}}(2N+301 - (N+366)) + B_{\bar{N}}(2N+301 - (2N+256)) + B_{\bar{N}}(2N+301 - (N+362))$$

$$= B_{\bar{N}}(N-65) + B_{\bar{N}}(45) + B_{\bar{N}}(N-61) = (N-65) + 45 + (N-61) = 2N-81$$

$$(N \ge 314)$$

$$B_{\bar{N}}(2N+302) = B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+301)) + B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+300)) + B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+299))$$

$$= B_{\bar{N}}(2N+302-(2N-81)) + B_{\bar{N}}(2N+302-(N+366)) + B_{\bar{N}}(2N+302-(2N+256))$$

$$= B_{\bar{N}}(383) + B_{\bar{N}}(N-64) + B_{\bar{N}}(46) = 383 + (N-64) + 46 = N + 365$$

$$(N \ge 383)$$

$$B_{\bar{N}}(2N+303) = B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+302)) + B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+301)) + B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+300)) + B_{\bar{N}}(2N+303-(N+365)) + B_{\bar{N}}(2N+303-(2N-81)) + B_{\bar{N}}(2N+303-(N+366)) + B_{\bar{N}}(N-62) + B_{\bar{N}}(384) + B_{\bar{N}}(N-63) = (N-62) + 384 + (N-63) = 2N + 259$$

$$(N \ge 384)$$

$$B_{\bar{N}}(2N+304) = B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+303)) + B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+302)) + B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+301))$$

$$= B_{\bar{N}}(2N+304-(2N+259)) + B_{\bar{N}}(2N+304-(N+365)) + B_{\bar{N}}(2N+304-(2N-81))$$

$$= B_{\bar{N}}(45) + B_{\bar{N}}(N-61) + B_{\bar{N}}(385) = 45 + (N-61) + 385 = N + 369$$

$$(N \ge 385)$$

$$B_{\bar{N}}(2N+305) = B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+304)) + B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+303)) + B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+302))$$

$$= B_{\bar{N}}(2N+305-(N+369)) + B_{\bar{N}}(2N+305-(2N+259)) + B_{\bar{N}}(2N+305-(N+365))$$

$$= B_{\bar{N}}(N-64) + B_{\bar{N}}(46) + B_{\bar{N}}(N-60) = (N-64) + 46 + (N-60) = 2N-78$$

$$(N \ge 315)$$

$$B_{\bar{N}}(2N+306) = B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+305)) + B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+304)) + B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+303))$$

$$= B_{\bar{N}}(2N+306-(2N-78)) + B_{\bar{N}}(2N+306-(N+369)) + B_{\bar{N}}(2N+306-(2N+259))$$

$$= B_{\bar{N}}(384) + B_{\bar{N}}(N-63) + B_{\bar{N}}(47) = 384 + (N-63) + 47 = N + 368$$

$$(N \ge 384)$$

$$B_{\bar{N}}(2N+307) = B_{\bar{N}}(2N+307 - B_{\bar{N}}(2N+306)) + B_{\bar{N}}(2N+307 - B_{\bar{N}}(2N+305)) + B_{\bar{N}}(2N+307 - B_{\bar{N}}(2N+304))$$

$$= B_{\bar{N}}(2N+307 - (N+368)) + B_{\bar{N}}(2N+307 - (2N-78)) + B_{\bar{N}}(2N+307 - (N+369))$$

$$= B_{\bar{N}}(N-61) + B_{\bar{N}}(385) + B_{\bar{N}}(N-62) = (N-61) + 385 + (N-62) = 2N + 262$$

$$(N \ge 385)$$

$$B_{\bar{N}}(2N+308) = B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+307)) + B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+306)) + B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+305))$$

$$= B_{\bar{N}}(2N+308-(2N+262)) + B_{\bar{N}}(2N+308-(N+368)) + B_{\bar{N}}(2N+308-(2N-78))$$

$$= B_{\bar{N}}(46) + B_{\bar{N}}(N-60) + B_{\bar{N}}(386) = 46 + (N-60) + 386 = N + 372$$

$$(N \ge 386)$$

$$B_{\bar{N}}(2N+309) = B_{\bar{N}}(2N+309 - B_{\bar{N}}(2N+308)) + B_{\bar{N}}(2N+309 - B_{\bar{N}}(2N+307)) + B_{\bar{N}}(2N+309 - B_{\bar{N}}(2N+306))$$

$$= B_{\bar{N}}(2N+309 - (N+372)) + B_{\bar{N}}(2N+309 - (2N+262)) + B_{\bar{N}}(2N+309 - (N+368))$$

$$= B_{\bar{N}}(N-63) + B_{\bar{N}}(47) + B_{\bar{N}}(N-59) = (N-63) + 47 + (N-59) = 2N-75$$

$$(N \ge 316)$$

$$B_{\bar{N}}(2N+310) = B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+309)) + B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+308)) + B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+307))$$

$$= B_{\bar{N}}(2N+310-(2N-75)) + B_{\bar{N}}(2N+310-(N+372)) + B_{\bar{N}}(2N+310-(2N+262))$$

$$= B_{\bar{N}}(385) + B_{\bar{N}}(N-62) + B_{\bar{N}}(48) = 385 + (N-62) + 48 = N + 371$$

$$(N > 385)$$

$$B_{\bar{N}}(2N+311) = B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+310)) + B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+309)) + B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+308))$$

$$= B_{\bar{N}}(2N+311-(N+371)) + B_{\bar{N}}(2N+311-(2N-75)) + B_{\bar{N}}(2N+311-(N+372))$$

$$= B_{\bar{N}}(N-60) + B_{\bar{N}}(386) + B_{\bar{N}}(N-61) = (N-60) + 386 + (N-61) = 2N + 265$$

$$(N \ge 386)$$

$$B_{\bar{N}}(2N+312) = B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+311)) + B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+310)) + B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+309))$$

$$= B_{\bar{N}}(2N+312-(2N+265)) + B_{\bar{N}}(2N+312-(N+371)) + B_{\bar{N}}(2N+312-(2N-75))$$

$$= B_{\bar{N}}(47) + B_{\bar{N}}(N-59) + B_{\bar{N}}(387) = 47 + (N-59) + 387 = N + 375$$

$$(N \ge 387)$$

$$B_{\bar{N}}(2N+313) = B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+312)) + B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+311)) + B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+310))$$

$$= B_{\bar{N}}(2N+313-(N+375)) + B_{\bar{N}}(2N+313-(2N+265)) + B_{\bar{N}}(2N+313-(N+371))$$

$$= B_{\bar{N}}(N-62) + B_{\bar{N}}(48) + B_{\bar{N}}(N-58) = (N-62) + 48 + (N-58) = 2N-72$$

$$(N \ge 317)$$

$$B_{\bar{N}}(2N+314) = B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+313)) + B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+312)) + B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+311))$$

$$= B_{\bar{N}}(2N+314-(2N-72)) + B_{\bar{N}}(2N+314-(N+375)) + B_{\bar{N}}(2N+314-(2N+265))$$

$$= B_{\bar{N}}(386) + B_{\bar{N}}(N-61) + B_{\bar{N}}(49) = 386 + (N-61) + 49 = N + 374$$

$$(N \ge 386)$$

$$B_{\bar{N}}(2N+315) = B_{\bar{N}}(2N+315 - B_{\bar{N}}(2N+314)) + B_{\bar{N}}(2N+315 - B_{\bar{N}}(2N+313)) + B_{\bar{N}}(2N+315 - B_{\bar{N}}(2N+312))$$

$$= B_{\bar{N}}(2N+315 - (N+374)) + B_{\bar{N}}(2N+315 - (2N-72)) + B_{\bar{N}}(2N+315 - (N+375))$$

$$= B_{\bar{N}}(N-59) + B_{\bar{N}}(387) + B_{\bar{N}}(N-60) = (N-59) + 387 + (N-60) = 2N + 268$$

$$(N > 387)$$

$$B_{\bar{N}}(2N+316) = B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+315)) + B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+314)) + B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+313))$$

$$= B_{\bar{N}}(2N+316-(2N+268)) + B_{\bar{N}}(2N+316-(N+374)) + B_{\bar{N}}(2N+316-(2N-72))$$

$$= B_{\bar{N}}(48) + B_{\bar{N}}(N-58) + B_{\bar{N}}(388) = 48 + (N-58) + 388 = N + 378$$

$$(N \ge 388)$$

$$B_{\bar{N}}(2N+317) = B_{\bar{N}}(2N+317 - B_{\bar{N}}(2N+316)) + B_{\bar{N}}(2N+317 - B_{\bar{N}}(2N+315)) + B_{\bar{N}}(2N+317 - B_{\bar{N}}(2N+314))$$

$$= B_{\bar{N}}(2N+317 - (N+378)) + B_{\bar{N}}(2N+317 - (2N+268)) + B_{\bar{N}}(2N+317 - (N+374))$$

$$= B_{\bar{N}}(N-61) + B_{\bar{N}}(49) + B_{\bar{N}}(N-57) = (N-61) + 49 + (N-57) = 2N-69$$

$$(N \ge 318)$$

$$B_{\bar{N}}(2N+318) = B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+317)) + B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+316)) + B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+315))$$

$$= B_{\bar{N}}(2N+318-(2N-69)) + B_{\bar{N}}(2N+318-(N+378)) + B_{\bar{N}}(2N+318-(2N+268))$$

$$= B_{\bar{N}}(387) + B_{\bar{N}}(N-60) + B_{\bar{N}}(50) = 387 + (N-60) + 50 = N + 377$$

$$(N > 387)$$

$$B_{\bar{N}}(2N+319) = B_{\bar{N}}(2N+319 - B_{\bar{N}}(2N+318)) + B_{\bar{N}}(2N+319 - B_{\bar{N}}(2N+317)) + B_{\bar{N}}(2N+319 - B_{\bar{N}}(2N+316))$$

$$= B_{\bar{N}}(2N+319 - (N+377)) + B_{\bar{N}}(2N+319 - (2N-69)) + B_{\bar{N}}(2N+319 - (N+378))$$

$$= B_{\bar{N}}(N-58) + B_{\bar{N}}(388) + B_{\bar{N}}(N-59) = (N-58) + 388 + (N-59) = 2N + 271$$

$$(N \ge 388)$$

$$B_{\bar{N}}(2N+320) = B_{\bar{N}}(2N+320 - B_{\bar{N}}(2N+319)) + B_{\bar{N}}(2N+320 - B_{\bar{N}}(2N+318)) + B_{\bar{N}}(2N+320 - B_{\bar{N}}(2N+317))$$

$$= B_{\bar{N}}(2N+320 - (2N+271)) + B_{\bar{N}}(2N+320 - (N+377)) + B_{\bar{N}}(2N+320 - (2N-69))$$

$$= B_{\bar{N}}(49) + B_{\bar{N}}(N-57) + B_{\bar{N}}(389) = 49 + (N-57) + 389 = N + 381$$

$$(N > 389)$$

$$B_{\bar{N}}(2N+321) = B_{\bar{N}}(2N+321 - B_{\bar{N}}(2N+320)) + B_{\bar{N}}(2N+321 - B_{\bar{N}}(2N+319)) + B_{\bar{N}}(2N+321 - B_{\bar{N}}(2N+318))$$

$$= B_{\bar{N}}(2N+321 - (N+381)) + B_{\bar{N}}(2N+321 - (2N+271)) + B_{\bar{N}}(2N+321 - (N+377))$$

$$= B_{\bar{N}}(N-60) + B_{\bar{N}}(50) + B_{\bar{N}}(N-56) = (N-60) + 50 + (N-56) = 2N-66$$

$$(N \ge 319)$$

$$B_{\bar{N}}(2N+322) = B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+321)) + B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+320)) + B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+319))$$

$$= B_{\bar{N}}(2N+322-(2N-66)) + B_{\bar{N}}(2N+322-(N+381)) + B_{\bar{N}}(2N+322-(2N+271))$$

$$= B_{\bar{N}}(388) + B_{\bar{N}}(N-59) + B_{\bar{N}}(51) = 388 + (N-59) + 51 = N + 380$$

$$(N \ge 388)$$

$$B_{\bar{N}}(2N+323) = B_{\bar{N}}(2N+323 - B_{\bar{N}}(2N+322)) + B_{\bar{N}}(2N+323 - B_{\bar{N}}(2N+321)) + B_{\bar{N}}(2N+323 - B_{\bar{N}}(2N+320))$$

$$= B_{\bar{N}}(2N+323 - (N+380)) + B_{\bar{N}}(2N+323 - (2N-66)) + B_{\bar{N}}(2N+323 - (N+381))$$

$$= B_{\bar{N}}(N-57) + B_{\bar{N}}(389) + B_{\bar{N}}(N-58) = (N-57) + 389 + (N-58) = 2N + 274$$

$$(N \ge 389)$$

$$B_{\bar{N}}(2N+324) = B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+323)) + B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+322)) + B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+321))$$

$$= B_{\bar{N}}(2N+324-(2N+274)) + B_{\bar{N}}(2N+324-(N+380)) + B_{\bar{N}}(2N+324-(2N-66))$$

$$= B_{\bar{N}}(50) + B_{\bar{N}}(N-56) + B_{\bar{N}}(390) = 50 + (N-56) + 390 = N + 384$$

$$(N \ge 390)$$

$$B_{\bar{N}}(2N+325) = B_{\bar{N}}(2N+325 - B_{\bar{N}}(2N+324)) + B_{\bar{N}}(2N+325 - B_{\bar{N}}(2N+323)) + B_{\bar{N}}(2N+325 - B_{\bar{N}}(2N+322))$$

$$= B_{\bar{N}}(2N+325 - (N+384)) + B_{\bar{N}}(2N+325 - (2N+274)) + B_{\bar{N}}(2N+325 - (N+380))$$

$$= B_{\bar{N}}(N-59) + B_{\bar{N}}(51) + B_{\bar{N}}(N-55) = (N-59) + 51 + (N-55) = 2N-63$$

$$(N > 320)$$

$$B_{\bar{N}}(2N+326) = B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+325)) + B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+324)) + B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+323))$$

$$= B_{\bar{N}}(2N+326-(2N-63)) + B_{\bar{N}}(2N+326-(N+384)) + B_{\bar{N}}(2N+326-(2N+274))$$

$$= B_{\bar{N}}(389) + B_{\bar{N}}(N-58) + B_{\bar{N}}(52) = 389 + (N-58) + 52 = N + 383$$

$$(N \ge 389)$$

$$B_{\bar{N}}(2N+327) = B_{\bar{N}}(2N+327 - B_{\bar{N}}(2N+326)) + B_{\bar{N}}(2N+327 - B_{\bar{N}}(2N+325)) + B_{\bar{N}}(2N+327 - B_{\bar{N}}(2N+324))$$

$$= B_{\bar{N}}(2N+327 - (N+383)) + B_{\bar{N}}(2N+327 - (2N-63)) + B_{\bar{N}}(2N+327 - (N+384))$$

$$= B_{\bar{N}}(N-56) + B_{\bar{N}}(390) + B_{\bar{N}}(N-57) = (N-56) + 390 + (N-57) = 2N + 277$$

$$(N \ge 390)$$

$$B_{\bar{N}}(2N+328) = B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+327)) + B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+326)) + B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+325))$$

$$= B_{\bar{N}}(2N+328-(2N+277)) + B_{\bar{N}}(2N+328-(N+383)) + B_{\bar{N}}(2N+328-(2N-63))$$

$$= B_{\bar{N}}(51) + B_{\bar{N}}(N-55) + B_{\bar{N}}(391) = 51 + (N-55) + 391 = N + 387$$

$$(N > 391)$$

$$B_{\bar{N}}(2N+329) = B_{\bar{N}}(2N+329 - B_{\bar{N}}(2N+328)) + B_{\bar{N}}(2N+329 - B_{\bar{N}}(2N+327)) + B_{\bar{N}}(2N+329 - B_{\bar{N}}(2N+326))$$

$$= B_{\bar{N}}(2N+329 - (N+387)) + B_{\bar{N}}(2N+329 - (2N+277)) + B_{\bar{N}}(2N+329 - (N+383))$$

$$= B_{\bar{N}}(N-58) + B_{\bar{N}}(52) + B_{\bar{N}}(N-54) = (N-58) + 52 + (N-54) = 2N-60$$

$$(N \ge 321)$$

$$B_{\bar{N}}(2N+330) = B_{\bar{N}}(2N+330 - B_{\bar{N}}(2N+329)) + B_{\bar{N}}(2N+330 - B_{\bar{N}}(2N+328)) + B_{\bar{N}}(2N+330 - B_{\bar{N}}(2N+327))$$

$$= B_{\bar{N}}(2N+330 - (2N-60)) + B_{\bar{N}}(2N+330 - (N+387)) + B_{\bar{N}}(2N+330 - (2N+277))$$

$$= B_{\bar{N}}(390) + B_{\bar{N}}(N-57) + B_{\bar{N}}(53) = 390 + (N-57) + 53 = N + 386$$

$$(N > 390)$$

$$B_{\bar{N}}(2N+331) = B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+330)) + B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+329)) + B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+328))$$

$$= B_{\bar{N}}(2N+331-(N+386)) + B_{\bar{N}}(2N+331-(2N-60)) + B_{\bar{N}}(2N+331-(N+387))$$

$$= B_{\bar{N}}(N-55) + B_{\bar{N}}(391) + B_{\bar{N}}(N-56) = (N-55) + 391 + (N-56) = 2N + 280$$

$$(N \ge 391)$$

$$B_{\bar{N}}(2N+332) = B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+331)) + B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+330)) + B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+329))$$

$$= B_{\bar{N}}(2N+332-(2N+280)) + B_{\bar{N}}(2N+332-(N+386)) + B_{\bar{N}}(2N+332-(2N-60))$$

$$= B_{\bar{N}}(52) + B_{\bar{N}}(N-54) + B_{\bar{N}}(392) = 52 + (N-54) + 392 = N + 390$$

$$(N \ge 392)$$

$$B_{\bar{N}}(2N+333) = B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+332)) + B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+331)) + B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+330))$$

$$= B_{\bar{N}}(2N+333-(N+390)) + B_{\bar{N}}(2N+333-(2N+280)) + B_{\bar{N}}(2N+333-(N+386))$$

$$= B_{\bar{N}}(N-57) + B_{\bar{N}}(53) + B_{\bar{N}}(N-53) = (N-57) + 53 + (N-53) = 2N-57$$

$$(N \ge 363)$$

$$B_{\bar{N}}(2N+334) = B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+333)) + B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+332)) + B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+331))$$

$$= B_{\bar{N}}(2N+334-(2N-57)) + B_{\bar{N}}(2N+334-(N+390)) + B_{\bar{N}}(2N+334-(2N+280))$$

$$= B_{\bar{N}}(391) + B_{\bar{N}}(N-56) + B_{\bar{N}}(54) = 391 + (N-56) + 54 = N + 389$$

$$(N \ge 391)$$

$$B_{\bar{N}}(2N+335) = B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+334)) + B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+333)) + B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+332))$$

$$= B_{\bar{N}}(2N+335-(N+389)) + B_{\bar{N}}(2N+335-(2N-57)) + B_{\bar{N}}(2N+335-(N+390))$$

$$= B_{\bar{N}}(N-54) + B_{\bar{N}}(392) + B_{\bar{N}}(N-55) = (N-54) + 392 + (N-55) = 2N + 283$$

$$(N > 392)$$

$$B_{\bar{N}}(2N+336) = B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+335)) + B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+334)) + B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+333))$$

$$= B_{\bar{N}}(2N+336-(2N+283)) + B_{\bar{N}}(2N+336-(N+389)) + B_{\bar{N}}(2N+336-(2N-57))$$

$$= B_{\bar{N}}(53) + B_{\bar{N}}(N-53) + B_{\bar{N}}(393) = 53 + (N-53) + 393 = N + 393$$

$$(N \ge 393)$$

$$B_{\bar{N}}(2N+337) = B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+336)) + B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+335)) + B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+334))$$

$$= B_{\bar{N}}(2N+337 - (N+393)) + B_{\bar{N}}(2N+337 - (2N+283)) + B_{\bar{N}}(2N+337 - (N+389))$$

$$= B_{\bar{N}}(N-56) + B_{\bar{N}}(54) + B_{\bar{N}}(N-52) = (N-56) + 54 + (N-52) = 2N - 54$$

$$(N \ge 365)$$

$$B_{\bar{N}}(2N+338) = B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+337)) + B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+336)) + B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+335))$$

$$= B_{\bar{N}}(2N+338-(2N-54)) + B_{\bar{N}}(2N+338-(N+393)) + B_{\bar{N}}(2N+338-(2N+283))$$

$$= B_{\bar{N}}(392) + B_{\bar{N}}(N-55) + B_{\bar{N}}(55) = 392 + (N-55) + 55 = N + 392$$

$$(N > 392)$$

$$B_{\bar{N}}(2N+339) = B_{\bar{N}}(2N+339 - B_{\bar{N}}(2N+338)) + B_{\bar{N}}(2N+339 - B_{\bar{N}}(2N+337)) + B_{\bar{N}}(2N+339 - B_{\bar{N}}(2N+336))$$

$$= B_{\bar{N}}(2N+339 - (N+392)) + B_{\bar{N}}(2N+339 - (2N-54)) + B_{\bar{N}}(2N+339 - (N+393))$$

$$= B_{\bar{N}}(N-53) + B_{\bar{N}}(393) + B_{\bar{N}}(N-54) = (N-53) + 393 + (N-54) = 2N + 286$$

$$(N \ge 393)$$

$$B_{\bar{N}}(2N+340) = B_{\bar{N}}(2N+340 - B_{\bar{N}}(2N+339)) + B_{\bar{N}}(2N+340 - B_{\bar{N}}(2N+338)) + B_{\bar{N}}(2N+340 - B_{\bar{N}}(2N+337))$$

$$= B_{\bar{N}}(2N+340 - (2N+286)) + B_{\bar{N}}(2N+340 - (N+392)) + B_{\bar{N}}(2N+340 - (2N-54))$$

$$= B_{\bar{N}}(54) + B_{\bar{N}}(N-52) + B_{\bar{N}}(394) = 54 + (N-52) + 394 = N + 396$$

$$(N > 394)$$

$$B_{\bar{N}}(2N+341) = B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+340)) + B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+339)) + B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+338))$$

$$= B_{\bar{N}}(2N+341-(N+396)) + B_{\bar{N}}(2N+341-(2N+286)) + B_{\bar{N}}(2N+341-(N+392))$$

$$= B_{\bar{N}}(N-55) + B_{\bar{N}}(55) + B_{\bar{N}}(N-51) = (N-55) + 55 + (N-51) = 2N-51$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+342) = B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+341)) + B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+340)) + B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+339))$$

$$= B_{\bar{N}}(2N+342-(2N-51)) + B_{\bar{N}}(2N+342-(N+396)) + B_{\bar{N}}(2N+342-(2N+286))$$

$$= B_{\bar{N}}(393) + B_{\bar{N}}(N-54) + B_{\bar{N}}(56) = 393 + (N-54) + 56 = N+395$$

$$(N \ge 393)$$

$$B_{\bar{N}}(2N+343) = B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+342)) + B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+341)) + B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+340))$$

$$= B_{\bar{N}}(2N+343-(N+395)) + B_{\bar{N}}(2N+343-(2N-51)) + B_{\bar{N}}(2N+343-(N+396))$$

$$= B_{\bar{N}}(N-52) + B_{\bar{N}}(394) + B_{\bar{N}}(N-53) = (N-52) + 394 + (N-53) = 2N + 289$$

$$(N \ge 394)$$

$$B_{\bar{N}}(2N+344) = B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+343)) + B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+342)) + B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+341))$$

$$= B_{\bar{N}}(2N+344-(2N+289)) + B_{\bar{N}}(2N+344-(N+395)) + B_{\bar{N}}(2N+344-(2N-51))$$

$$= B_{\bar{N}}(55) + B_{\bar{N}}(N-51) + B_{\bar{N}}(395) = 55 + (N-51) + 395 = N + 399$$

$$(N > 395)$$

$$B_{\bar{N}}(2N+345) = B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+344)) + B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+343)) + B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+342))$$

$$= B_{\bar{N}}(2N+345-(N+399)) + B_{\bar{N}}(2N+345-(2N+289)) + B_{\bar{N}}(2N+345-(N+395))$$

$$= B_{\bar{N}}(N-54) + B_{\bar{N}}(56) + B_{\bar{N}}(N-50) = (N-54) + 56 + (N-50) = 2N-48$$

$$(N > 367)$$

$$B_{\bar{N}}(2N+346) = B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+345)) + B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+344)) + B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+343))$$

$$= B_{\bar{N}}(2N+346-(2N-48)) + B_{\bar{N}}(2N+346-(N+399)) + B_{\bar{N}}(2N+346-(2N+289))$$

$$= B_{\bar{N}}(394) + B_{\bar{N}}(N-53) + B_{\bar{N}}(57) = 394 + (N-53) + 57 = N + 398$$

$$(N > 394)$$

$$B_{\bar{N}}(2N+347) = B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+346)) + B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+345)) + B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+344))$$

$$= B_{\bar{N}}(2N+347 - (N+398)) + B_{\bar{N}}(2N+347 - (2N-48)) + B_{\bar{N}}(2N+347 - (N+399))$$

$$= B_{\bar{N}}(N-51) + B_{\bar{N}}(395) + B_{\bar{N}}(N-52) = (N-51) + 395 + (N-52) = 2N + 292$$

$$(N \ge 395)$$

$$B_{\bar{N}}(2N+348) = B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+347)) + B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+346)) + B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+345))$$

$$= B_{\bar{N}}(2N+348-(2N+292)) + B_{\bar{N}}(2N+348-(N+398)) + B_{\bar{N}}(2N+348-(2N-48))$$

$$= B_{\bar{N}}(56) + B_{\bar{N}}(N-50) + B_{\bar{N}}(396) = 56 + (N-50) + 396 = N + 402$$

$$(N \ge 396)$$

$$B_{\bar{N}}(2N+349) = B_{\bar{N}}(2N+349 - B_{\bar{N}}(2N+348)) + B_{\bar{N}}(2N+349 - B_{\bar{N}}(2N+347)) + B_{\bar{N}}(2N+349 - B_{\bar{N}}(2N+346))$$

$$= B_{\bar{N}}(2N+349 - (N+402)) + B_{\bar{N}}(2N+349 - (2N+292)) + B_{\bar{N}}(2N+349 - (N+398))$$

$$= B_{\bar{N}}(N-53) + B_{\bar{N}}(57) + B_{\bar{N}}(N-49) = (N-53) + 57 + (N-49) = 2N-45$$

$$(N \ge 368)$$

$$B_{\bar{N}}(2N+350) = B_{\bar{N}}(2N+350 - B_{\bar{N}}(2N+349)) + B_{\bar{N}}(2N+350 - B_{\bar{N}}(2N+348)) + B_{\bar{N}}(2N+350 - B_{\bar{N}}(2N+347))$$

$$= B_{\bar{N}}(2N+350 - (2N-45)) + B_{\bar{N}}(2N+350 - (N+402)) + B_{\bar{N}}(2N+350 - (2N+292))$$

$$= B_{\bar{N}}(395) + B_{\bar{N}}(N-52) + B_{\bar{N}}(58) = 395 + (N-52) + 58 = N+401$$

$$(N > 395)$$

$$B_{\bar{N}}(2N+351) = B_{\bar{N}}(2N+351 - B_{\bar{N}}(2N+350)) + B_{\bar{N}}(2N+351 - B_{\bar{N}}(2N+349)) + B_{\bar{N}}(2N+351 - B_{\bar{N}}(2N+348))$$

$$= B_{\bar{N}}(2N+351 - (N+401)) + B_{\bar{N}}(2N+351 - (2N-45)) + B_{\bar{N}}(2N+351 - (N+402))$$

$$= B_{\bar{N}}(N-50) + B_{\bar{N}}(396) + B_{\bar{N}}(N-51) = (N-50) + 396 + (N-51) = 2N + 295$$

$$(N \ge 396)$$

$$B_{\bar{N}}(2N+352) = B_{\bar{N}}(2N+352 - B_{\bar{N}}(2N+351)) + B_{\bar{N}}(2N+352 - B_{\bar{N}}(2N+350)) + B_{\bar{N}}(2N+352 - B_{\bar{N}}(2N+349))$$

$$= B_{\bar{N}}(2N+352 - (2N+295)) + B_{\bar{N}}(2N+352 - (N+401)) + B_{\bar{N}}(2N+352 - (2N-45))$$

$$= B_{\bar{N}}(57) + B_{\bar{N}}(N-49) + B_{\bar{N}}(397) = 57 + (N-49) + 397 = N + 405$$

$$(N \ge 397)$$

$$B_{\bar{N}}(2N+353) = B_{\bar{N}}(2N+353 - B_{\bar{N}}(2N+352)) + B_{\bar{N}}(2N+353 - B_{\bar{N}}(2N+351)) + B_{\bar{N}}(2N+353 - B_{\bar{N}}(2N+350))$$

$$= B_{\bar{N}}(2N+353 - (N+405)) + B_{\bar{N}}(2N+353 - (2N+295)) + B_{\bar{N}}(2N+353 - (N+401))$$

$$= B_{\bar{N}}(N-52) + B_{\bar{N}}(58) + B_{\bar{N}}(N-48) = (N-52) + 58 + (N-48) = 2N-42$$

$$(N \ge 369)$$

$$B_{\bar{N}}(2N+354) = B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+353)) + B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+352)) + B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+351))$$

$$= B_{\bar{N}}(2N+354-(2N-42)) + B_{\bar{N}}(2N+354-(N+405)) + B_{\bar{N}}(2N+354-(2N+295))$$

$$= B_{\bar{N}}(396) + B_{\bar{N}}(N-51) + B_{\bar{N}}(59) = 396 + (N-51) + 59 = N + 404$$

$$(N > 396)$$

$$B_{\bar{N}}(2N+355) = B_{\bar{N}}(2N+355 - B_{\bar{N}}(2N+354)) + B_{\bar{N}}(2N+355 - B_{\bar{N}}(2N+353)) + B_{\bar{N}}(2N+355 - B_{\bar{N}}(2N+352))$$

$$= B_{\bar{N}}(2N+355 - (N+404)) + B_{\bar{N}}(2N+355 - (2N-42)) + B_{\bar{N}}(2N+355 - (N+405))$$

$$= B_{\bar{N}}(N-49) + B_{\bar{N}}(397) + B_{\bar{N}}(N-50) = (N-49) + 397 + (N-50) = 2N + 298$$

$$(N > 397)$$

$$B_{\bar{N}}(2N+356) = B_{\bar{N}}(2N+356 - B_{\bar{N}}(2N+355)) + B_{\bar{N}}(2N+356 - B_{\bar{N}}(2N+354)) + B_{\bar{N}}(2N+356 - B_{\bar{N}}(2N+353))$$

$$= B_{\bar{N}}(2N+356 - (2N+298)) + B_{\bar{N}}(2N+356 - (N+404)) + B_{\bar{N}}(2N+356 - (2N-42))$$

$$= B_{\bar{N}}(58) + B_{\bar{N}}(N-48) + B_{\bar{N}}(398) = 58 + (N-48) + 398 = N + 408$$

$$(N \ge 398)$$

$$B_{\bar{N}}(2N+357) = B_{\bar{N}}(2N+357 - B_{\bar{N}}(2N+356)) + B_{\bar{N}}(2N+357 - B_{\bar{N}}(2N+355)) + B_{\bar{N}}(2N+357 - B_{\bar{N}}(2N+354))$$

$$= B_{\bar{N}}(2N+357 - (N+408)) + B_{\bar{N}}(2N+357 - (2N+298)) + B_{\bar{N}}(2N+357 - (N+404))$$

$$= B_{\bar{N}}(N-51) + B_{\bar{N}}(59) + B_{\bar{N}}(N-47) = (N-51) + 59 + (N-47) = 2N-39$$

$$(N \ge 370)$$

$$B_{\bar{N}}(2N+358) = B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+357)) + B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+356)) + B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+355))$$

$$= B_{\bar{N}}(2N+358-(2N-39)) + B_{\bar{N}}(2N+358-(N+408)) + B_{\bar{N}}(2N+358-(2N+298))$$

$$= B_{\bar{N}}(397) + B_{\bar{N}}(N-50) + B_{\bar{N}}(60) = 397 + (N-50) + 60 = N + 407$$

$$(N \ge 397)$$

$$B_{\bar{N}}(2N+359) = B_{\bar{N}}(2N+359 - B_{\bar{N}}(2N+358)) + B_{\bar{N}}(2N+359 - B_{\bar{N}}(2N+357)) + B_{\bar{N}}(2N+359 - B_{\bar{N}}(2N+356))$$

$$= B_{\bar{N}}(2N+359 - (N+407)) + B_{\bar{N}}(2N+359 - (2N-39)) + B_{\bar{N}}(2N+359 - (N+408))$$

$$= B_{\bar{N}}(N-48) + B_{\bar{N}}(398) + B_{\bar{N}}(N-49) = (N-48) + 398 + (N-49) = 2N + 301$$

$$(N \ge 398)$$

$$B_{\bar{N}}(2N+360) = B_{\bar{N}}(2N+360 - B_{\bar{N}}(2N+359)) + B_{\bar{N}}(2N+360 - B_{\bar{N}}(2N+358)) + B_{\bar{N}}(2N+360 - B_{\bar{N}}(2N+357))$$

$$= B_{\bar{N}}(2N+360 - (2N+301)) + B_{\bar{N}}(2N+360 - (N+407)) + B_{\bar{N}}(2N+360 - (2N-39))$$

$$= B_{\bar{N}}(59) + B_{\bar{N}}(N-47) + B_{\bar{N}}(399) = 59 + (N-47) + 399 = N+411$$

$$(N > 399)$$

$$B_{\bar{N}}(2N+361) = B_{\bar{N}}(2N+361 - B_{\bar{N}}(2N+360)) + B_{\bar{N}}(2N+361 - B_{\bar{N}}(2N+359)) + B_{\bar{N}}(2N+361 - B_{\bar{N}}(2N+358))$$

$$= B_{\bar{N}}(2N+361 - (N+411)) + B_{\bar{N}}(2N+361 - (2N+301)) + B_{\bar{N}}(2N+361 - (N+407))$$

$$= B_{\bar{N}}(N-50) + B_{\bar{N}}(60) + B_{\bar{N}}(N-46) = (N-50) + 60 + (N-46) = 2N-36$$

$$(N \ge 60)$$

$$B_{\bar{N}}(2N+362) = B_{\bar{N}}(2N+362 - B_{\bar{N}}(2N+361)) + B_{\bar{N}}(2N+362 - B_{\bar{N}}(2N+360)) + B_{\bar{N}}(2N+362 - B_{\bar{N}}(2N+359))$$

$$= B_{\bar{N}}(2N+362 - (2N-36)) + B_{\bar{N}}(2N+362 - (N+411)) + B_{\bar{N}}(2N+362 - (2N+301))$$

$$= B_{\bar{N}}(398) + B_{\bar{N}}(N-49) + B_{\bar{N}}(61) = 398 + (N-49) + 61 = N+410$$

$$(N \ge 398)$$

$$B_{\bar{N}}(2N+363) = B_{\bar{N}}(2N+363 - B_{\bar{N}}(2N+362)) + B_{\bar{N}}(2N+363 - B_{\bar{N}}(2N+361)) + B_{\bar{N}}(2N+363 - B_{\bar{N}}(2N+360))$$

$$= B_{\bar{N}}(2N+363 - (N+410)) + B_{\bar{N}}(2N+363 - (2N-36)) + B_{\bar{N}}(2N+363 - (N+411))$$

$$= B_{\bar{N}}(N-47) + B_{\bar{N}}(399) + B_{\bar{N}}(N-48) = (N-47) + 399 + (N-48) = 2N + 304$$

$$(N \ge 399)$$

$$B_{\bar{N}}(2N+364) = B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+363)) + B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+362)) + B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+361))$$

$$= B_{\bar{N}}(2N+364-(2N+304)) + B_{\bar{N}}(2N+364-(N+410)) + B_{\bar{N}}(2N+364-(2N-36))$$

$$= B_{\bar{N}}(60) + B_{\bar{N}}(N-46) + B_{\bar{N}}(400) = 60 + (N-46) + 400 = N+414$$

$$(N > 400)$$

$$B_{\bar{N}}(2N+365) = B_{\bar{N}}(2N+365 - B_{\bar{N}}(2N+364)) + B_{\bar{N}}(2N+365 - B_{\bar{N}}(2N+363)) + B_{\bar{N}}(2N+365 - B_{\bar{N}}(2N+362))$$

$$= B_{\bar{N}}(2N+365 - (N+414)) + B_{\bar{N}}(2N+365 - (2N+304)) + B_{\bar{N}}(2N+365 - (N+410))$$

$$= B_{\bar{N}}(N-49) + B_{\bar{N}}(61) + B_{\bar{N}}(N-45) = (N-49) + 61 + (N-45) = 2N-33$$

$$(N > 378)$$

$$B_{\bar{N}}(2N+366) = B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+365)) + B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+364)) + B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+363))$$

$$= B_{\bar{N}}(2N+366-(2N-33)) + B_{\bar{N}}(2N+366-(N+414)) + B_{\bar{N}}(2N+366-(2N+304))$$

$$= B_{\bar{N}}(399) + B_{\bar{N}}(N-48) + B_{\bar{N}}(62) = 399 + (N-48) + 62 = N+413$$

$$(N \ge 399)$$

$$B_{\bar{N}}(2N+367) = B_{\bar{N}}(2N+367 - B_{\bar{N}}(2N+366)) + B_{\bar{N}}(2N+367 - B_{\bar{N}}(2N+365)) + B_{\bar{N}}(2N+367 - B_{\bar{N}}(2N+364))$$

$$= B_{\bar{N}}(2N+367 - (N+413)) + B_{\bar{N}}(2N+367 - (2N-33)) + B_{\bar{N}}(2N+367 - (N+414))$$

$$= B_{\bar{N}}(N-46) + B_{\bar{N}}(400) + B_{\bar{N}}(N-47) = (N-46) + 400 + (N-47) = 2N + 307$$

$$(N \ge 400)$$

$$B_{\bar{N}}(2N+368) = B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+367)) + B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+366)) + B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+365))$$

$$= B_{\bar{N}}(2N+368-(2N+307)) + B_{\bar{N}}(2N+368-(N+413)) + B_{\bar{N}}(2N+368-(2N-33))$$

$$= B_{\bar{N}}(61) + B_{\bar{N}}(N-45) + B_{\bar{N}}(401) = 61 + (N-45) + 401 = N + 417$$

$$(N > 737)$$

$$B_{\bar{N}}(2N+369) = B_{\bar{N}}(2N+369 - B_{\bar{N}}(2N+368)) + B_{\bar{N}}(2N+369 - B_{\bar{N}}(2N+367)) + B_{\bar{N}}(2N+369 - B_{\bar{N}}(2N+366))$$

$$= B_{\bar{N}}(2N+369 - (N+417)) + B_{\bar{N}}(2N+369 - (2N+307)) + B_{\bar{N}}(2N+369 - (N+413))$$

$$= B_{\bar{N}}(N-48) + B_{\bar{N}}(62) + B_{\bar{N}}(N-44) = (N-48) + 62 + (N-44) = 2N-30$$

$$(N \ge 794)$$

$$B_{\bar{N}}(2N+370) = B_{\bar{N}}(2N+370 - B_{\bar{N}}(2N+369)) + B_{\bar{N}}(2N+370 - B_{\bar{N}}(2N+368)) + B_{\bar{N}}(2N+370 - B_{\bar{N}}(2N+367))$$

$$= B_{\bar{N}}(2N+370 - (2N-30)) + B_{\bar{N}}(2N+370 - (N+417)) + B_{\bar{N}}(2N+370 - (2N+307))$$

$$= B_{\bar{N}}(400) + B_{\bar{N}}(N-47) + B_{\bar{N}}(63) = 400 + (N-47) + 63 = N+416$$

$$(N > 793)$$

$$B_{\bar{N}}(2N+371) = B_{\bar{N}}(2N+371 - B_{\bar{N}}(2N+370)) + B_{\bar{N}}(2N+371 - B_{\bar{N}}(2N+369)) + B_{\bar{N}}(2N+371 - B_{\bar{N}}(2N+368))$$

$$= B_{\bar{N}}(2N+371 - (N+416)) + B_{\bar{N}}(2N+371 - (2N-30)) + B_{\bar{N}}(2N+371 - (N+417))$$

$$= B_{\bar{N}}(N-45) + B_{\bar{N}}(401) + B_{\bar{N}}(N-46) = (N-45) + 401 + (N-46) = 2N + 310$$

$$(N \ge 792)$$

$$B_{\bar{N}}(2N+372) = B_{\bar{N}}(2N+372 - B_{\bar{N}}(2N+371)) + B_{\bar{N}}(2N+372 - B_{\bar{N}}(2N+370)) + B_{\bar{N}}(2N+372 - B_{\bar{N}}(2N+369))$$

$$= B_{\bar{N}}(2N+372 - (2N+310)) + B_{\bar{N}}(2N+372 - (N+416)) + B_{\bar{N}}(2N+372 - (2N-30))$$

$$= B_{\bar{N}}(62) + B_{\bar{N}}(N-44) + B_{\bar{N}}(402) = 62 + (N-44) + 402 = N + 420$$

$$(N \ge 1065)$$

$$B_{\bar{N}}(2N+373) = B_{\bar{N}}(2N+373 - B_{\bar{N}}(2N+372)) + B_{\bar{N}}(2N+373 - B_{\bar{N}}(2N+371)) + B_{\bar{N}}(2N+373 - B_{\bar{N}}(2N+370))$$

$$= B_{\bar{N}}(2N+373 - (N+420)) + B_{\bar{N}}(2N+373 - (2N+310)) + B_{\bar{N}}(2N+373 - (N+416))$$

$$= B_{\bar{N}}(N-47) + B_{\bar{N}}(63) + B_{\bar{N}}(N-43) = (N-47) + 63 + (N-43) = 2N-27$$

$$(N \ge 1066)$$

$$B_{\bar{N}}(2N+374) = B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+373)) + B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+372)) + B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+371))$$

$$= B_{\bar{N}}(2N+374-(2N-27)) + B_{\bar{N}}(2N+374-(N+420)) + B_{\bar{N}}(2N+374-(2N+310))$$

$$= B_{\bar{N}}(401) + B_{\bar{N}}(N-46) + B_{\bar{N}}(64) = 401 + (N-46) + 64 = N+419$$

$$(N \ge 1066)$$

$$B_{\bar{N}}(2N+375) = B_{\bar{N}}(2N+375 - B_{\bar{N}}(2N+374)) + B_{\bar{N}}(2N+375 - B_{\bar{N}}(2N+373)) + B_{\bar{N}}(2N+375 - B_{\bar{N}}(2N+372))$$

$$= B_{\bar{N}}(2N+375 - (N+419)) + B_{\bar{N}}(2N+375 - (2N-27)) + B_{\bar{N}}(2N+375 - (N+420))$$

$$= B_{\bar{N}}(N-44) + B_{\bar{N}}(402) + B_{\bar{N}}(N-45) = (N-44) + 402 + (N-45) = 2N + 313$$

$$(N > 402)$$

$$B_{\bar{N}}(2N+376) = B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+375)) + B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+374)) + B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+373))$$

$$= B_{\bar{N}}(2N+376-(2N+313)) + B_{\bar{N}}(2N+376-(N+419)) + B_{\bar{N}}(2N+376-(2N-27))$$

$$= B_{\bar{N}}(63) + B_{\bar{N}}(N-43) + B_{\bar{N}}(403) = 63 + (N-43) + 403 = N + 423$$

$$(N \ge 403)$$

$$B_{\bar{N}}(2N+377) = B_{\bar{N}}(2N+377 - B_{\bar{N}}(2N+376)) + B_{\bar{N}}(2N+377 - B_{\bar{N}}(2N+375)) + B_{\bar{N}}(2N+377 - B_{\bar{N}}(2N+374))$$

$$= B_{\bar{N}}(2N+377 - (N+423)) + B_{\bar{N}}(2N+377 - (2N+313)) + B_{\bar{N}}(2N+377 - (N+419))$$

$$= B_{\bar{N}}(N-46) + B_{\bar{N}}(64) + B_{\bar{N}}(N-42) = (N-46) + 64 + (N-42) = 2N-24$$

$$(N \ge 70)$$

$$B_{\bar{N}}(2N+378) = B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+377)) + B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+376)) + B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+375)) + B_{\bar{N}}(2N+378-(2N-24)) + B_{\bar{N}}(2N+378-(N+423)) + B_{\bar{N}}(2N+378-(2N+313)) + B_{\bar{N}}(402) + B_{\bar{N}}(N-45) + B_{\bar{N}}(65) = 402 + (N-45) + 65 = N+422$$

$$(N > 402)$$

$$B_{\bar{N}}(2N+379) = B_{\bar{N}}(2N+379 - B_{\bar{N}}(2N+378)) + B_{\bar{N}}(2N+379 - B_{\bar{N}}(2N+377)) + B_{\bar{N}}(2N+379 - B_{\bar{N}}(2N+376))$$

$$= B_{\bar{N}}(2N+379 - (N+422)) + B_{\bar{N}}(2N+379 - (2N-24)) + B_{\bar{N}}(2N+379 - (N+423))$$

$$= B_{\bar{N}}(N-43) + B_{\bar{N}}(403) + B_{\bar{N}}(N-44) = (N-43) + 403 + (N-44) = 2N + 316$$

$$(N \ge 403)$$

$$B_{\bar{N}}(2N+380) = B_{\bar{N}}(2N+380 - B_{\bar{N}}(2N+379)) + B_{\bar{N}}(2N+380 - B_{\bar{N}}(2N+378)) + B_{\bar{N}}(2N+380 - B_{\bar{N}}(2N+377))$$

$$= B_{\bar{N}}(2N+380 - (2N+316)) + B_{\bar{N}}(2N+380 - (N+422)) + B_{\bar{N}}(2N+380 - (2N-24))$$

$$= B_{\bar{N}}(64) + B_{\bar{N}}(N-42) + B_{\bar{N}}(404) = 64 + (N-42) + 404 = N + 426$$

$$(N > 404)$$

$$B_{\bar{N}}(2N+381) = B_{\bar{N}}(2N+381 - B_{\bar{N}}(2N+380)) + B_{\bar{N}}(2N+381 - B_{\bar{N}}(2N+379)) + B_{\bar{N}}(2N+381 - B_{\bar{N}}(2N+378))$$

$$= B_{\bar{N}}(2N+381 - (N+426)) + B_{\bar{N}}(2N+381 - (2N+316)) + B_{\bar{N}}(2N+381 - (N+422))$$

$$= B_{\bar{N}}(N-45) + B_{\bar{N}}(65) + B_{\bar{N}}(N-41) = (N-45) + 65 + (N-41) = 2N-21$$

$$(N \ge 65)$$

$$B_{\bar{N}}(2N+382) = B_{\bar{N}}(2N+382 - B_{\bar{N}}(2N+381)) + B_{\bar{N}}(2N+382 - B_{\bar{N}}(2N+380)) + B_{\bar{N}}(2N+382 - B_{\bar{N}}(2N+379))$$

$$= B_{\bar{N}}(2N+382 - (2N-21)) + B_{\bar{N}}(2N+382 - (N+426)) + B_{\bar{N}}(2N+382 - (2N+316))$$

$$= B_{\bar{N}}(403) + B_{\bar{N}}(N-44) + B_{\bar{N}}(66) = 403 + (N-44) + 66 = N+425$$

$$(N \ge 403)$$

$$B_{\bar{N}}(2N+383) = B_{\bar{N}}(2N+383 - B_{\bar{N}}(2N+382)) + B_{\bar{N}}(2N+383 - B_{\bar{N}}(2N+381)) + B_{\bar{N}}(2N+383 - B_{\bar{N}}(2N+380))$$

$$= B_{\bar{N}}(2N+383 - (N+425)) + B_{\bar{N}}(2N+383 - (2N-21)) + B_{\bar{N}}(2N+383 - (N+426))$$

$$= B_{\bar{N}}(N-42) + B_{\bar{N}}(404) + B_{\bar{N}}(N-43) = (N-42) + 404 + (N-43) = 2N + 319$$

$$(N > 404)$$

$$B_{\bar{N}}(2N+384) = B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+383)) + B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+382)) + B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+381))$$

$$= B_{\bar{N}}(2N+384-(2N+319)) + B_{\bar{N}}(2N+384-(N+425)) + B_{\bar{N}}(2N+384-(2N-21))$$

$$= B_{\bar{N}}(65) + B_{\bar{N}}(N-41) + B_{\bar{N}}(405) = 65 + (N-41) + 405 = N + 429$$

$$(N > 405)$$

$$B_{\bar{N}}(2N+385) = B_{\bar{N}}(2N+385 - B_{\bar{N}}(2N+384)) + B_{\bar{N}}(2N+385 - B_{\bar{N}}(2N+383)) + B_{\bar{N}}(2N+385 - B_{\bar{N}}(2N+382))$$

$$= B_{\bar{N}}(2N+385 - (N+429)) + B_{\bar{N}}(2N+385 - (2N+319)) + B_{\bar{N}}(2N+385 - (N+425))$$

$$= B_{\bar{N}}(N-44) + B_{\bar{N}}(66) + B_{\bar{N}}(N-40) = (N-44) + 66 + (N-40) = 2N-18$$

$$(N \ge 66)$$

$$B_{\bar{N}}(2N+386) = B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+385)) + B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+384)) + B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+383))$$

$$= B_{\bar{N}}(2N+386-(2N-18)) + B_{\bar{N}}(2N+386-(N+429)) + B_{\bar{N}}(2N+386-(2N+319))$$

$$= B_{\bar{N}}(404) + B_{\bar{N}}(N-43) + B_{\bar{N}}(67) = 404 + (N-43) + 67 = N + 428$$

$$(N \ge 404)$$

$$B_{\bar{N}}(2N+387) = B_{\bar{N}}(2N+387 - B_{\bar{N}}(2N+386)) + B_{\bar{N}}(2N+387 - B_{\bar{N}}(2N+385)) + B_{\bar{N}}(2N+387 - B_{\bar{N}}(2N+384))$$

$$= B_{\bar{N}}(2N+387 - (N+428)) + B_{\bar{N}}(2N+387 - (2N-18)) + B_{\bar{N}}(2N+387 - (N+429))$$

$$= B_{\bar{N}}(N-41) + B_{\bar{N}}(405) + B_{\bar{N}}(N-42) = (N-41) + 405 + (N-42) = 2N + 322$$

$$(N \ge 405)$$

$$B_{\bar{N}}(2N+388) = B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+387)) + B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+386)) + B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+385))$$

$$= B_{\bar{N}}(2N+388-(2N+322)) + B_{\bar{N}}(2N+388-(N+428)) + B_{\bar{N}}(2N+388-(2N-18))$$

$$= B_{\bar{N}}(66) + B_{\bar{N}}(N-40) + B_{\bar{N}}(406) = 66 + (N-40) + 406 = N + 432$$

$$(N \ge 406)$$

$$B_{\bar{N}}(2N+389) = B_{\bar{N}}(2N+389 - B_{\bar{N}}(2N+388)) + B_{\bar{N}}(2N+389 - B_{\bar{N}}(2N+387)) + B_{\bar{N}}(2N+389 - B_{\bar{N}}(2N+386))$$

$$= B_{\bar{N}}(2N+389 - (N+432)) + B_{\bar{N}}(2N+389 - (2N+322)) + B_{\bar{N}}(2N+389 - (N+428))$$

$$= B_{\bar{N}}(N-43) + B_{\bar{N}}(67) + B_{\bar{N}}(N-39) = (N-43) + 67 + (N-39) = 2N-15$$

$$(N \ge 67)$$

$$B_{\bar{N}}(2N+390) = B_{\bar{N}}(2N+390 - B_{\bar{N}}(2N+389)) + B_{\bar{N}}(2N+390 - B_{\bar{N}}(2N+388)) + B_{\bar{N}}(2N+390 - B_{\bar{N}}(2N+387))$$

$$= B_{\bar{N}}(2N+390 - (2N-15)) + B_{\bar{N}}(2N+390 - (N+432)) + B_{\bar{N}}(2N+390 - (2N+322))$$

$$= B_{\bar{N}}(405) + B_{\bar{N}}(N-42) + B_{\bar{N}}(68) = 405 + (N-42) + 68 = N+431$$

$$(N > 405)$$

$$B_{\bar{N}}(2N+391) = B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+390)) + B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391)) + B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391)) + B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+392) = B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+391)) + B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+390)) + B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+389))$$

$$= B_{\bar{N}}(2N+392-(2N+325)) + B_{\bar{N}}(2N+392-(N+431)) + B_{\bar{N}}(2N+392-(2N-15))$$

$$= B_{\bar{N}}(67) + B_{\bar{N}}(N-39) + B_{\bar{N}}(407) = 67 + (N-39) + 407 = N + 435$$

$$(N \ge 407)$$

$$B_{\bar{N}}(2N+393) = B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+392)) + B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+391)) + B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+390)) + B_{\bar{N}}(2N+393-(N+435)) + B_{\bar{N}}(2N+393-(N+435)) + B_{\bar{N}}(2N+393-(N+431)) +$$

$$B_{\bar{N}}(2N+394) = B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+393)) + B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+392)) + B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+391))$$

$$= B_{\bar{N}}(2N+394-(2N-12)) + B_{\bar{N}}(2N+394-(N+435)) + B_{\bar{N}}(2N+394-(2N+325))$$

$$= B_{\bar{N}}(406) + B_{\bar{N}}(N-41) + B_{\bar{N}}(69) = 406 + (N-41) + 69 = N+434$$

$$(N \ge 406)$$

$$B_{\bar{N}}(2N+395) = B_{\bar{N}}(2N+395 - B_{\bar{N}}(2N+394)) + B_{\bar{N}}(2N+395 - B_{\bar{N}}(2N+393)) + B_{\bar{N}}(2N+395 - B_{\bar{N}}(2N+392))$$

$$= B_{\bar{N}}(2N+395 - (N+434)) + B_{\bar{N}}(2N+395 - (2N-12)) + B_{\bar{N}}(2N+395 - (N+435))$$

$$= B_{\bar{N}}(N-39) + B_{\bar{N}}(407) + B_{\bar{N}}(N-40) = (N-39) + 407 + (N-40) = 2N + 328$$

$$(N > 743)$$

$$B_{\bar{N}}(2N+396) = B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+395)) + B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+394)) + B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+393))$$

$$= B_{\bar{N}}(2N+396-(2N+328)) + B_{\bar{N}}(2N+396-(N+434)) + B_{\bar{N}}(2N+396-(2N-12))$$

$$= B_{\bar{N}}(68) + B_{\bar{N}}(N-38) + B_{\bar{N}}(408) = 68 + (N-38) + 408 = N+438$$

$$(N \ge 773)$$

$$B_{\bar{N}}(2N+397) = B_{\bar{N}}(2N+397 - B_{\bar{N}}(2N+396)) + B_{\bar{N}}(2N+397 - B_{\bar{N}}(2N+395)) + B_{\bar{N}}(2N+397 - B_{\bar{N}}(2N+394))$$

$$= B_{\bar{N}}(2N+397 - (N+438)) + B_{\bar{N}}(2N+397 - (2N+328)) + B_{\bar{N}}(2N+397 - (N+434))$$

$$= B_{\bar{N}}(N-41) + B_{\bar{N}}(69) + B_{\bar{N}}(N-37) = (N-41) + 69 + (N-37) = 2N-9$$

$$(N \ge 772)$$

$$B_{\bar{N}}(2N+398) = B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+397)) + B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+396)) + B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+395))$$

$$= B_{\bar{N}}(2N+398-(2N-9)) + B_{\bar{N}}(2N+398-(N+438)) + B_{\bar{N}}(2N+398-(2N+328))$$

$$= B_{\bar{N}}(407) + B_{\bar{N}}(N-40) + B_{\bar{N}}(70) = 407 + (N-40) + 70 = N + 437$$

$$(N \ge 771)$$

$$B_{\bar{N}}(2N+399) = B_{\bar{N}}(2N+399 - B_{\bar{N}}(2N+398)) + B_{\bar{N}}(2N+399 - B_{\bar{N}}(2N+397)) + B_{\bar{N}}(2N+399 - B_{\bar{N}}(2N+396))$$

$$= B_{\bar{N}}(2N+399 - (N+437)) + B_{\bar{N}}(2N+399 - (2N-9)) + B_{\bar{N}}(2N+399 - (N+438))$$

$$= B_{\bar{N}}(N-38) + B_{\bar{N}}(408) + B_{\bar{N}}(N-39) = (N-38) + 408 + (N-39) = 2N+331$$

$$(N \ge 1067)$$

$$B_{\bar{N}}(2N+400) = B_{\bar{N}}(2N+400 - B_{\bar{N}}(2N+399)) + B_{\bar{N}}(2N+400 - B_{\bar{N}}(2N+398)) + B_{\bar{N}}(2N+400 - B_{\bar{N}}(2N+397))$$

$$= B_{\bar{N}}(2N+400 - (2N+331)) + B_{\bar{N}}(2N+400 - (N+437)) + B_{\bar{N}}(2N+400 - (2N-9))$$

$$= B_{\bar{N}}(69) + B_{\bar{N}}(N-37) + B_{\bar{N}}(409) = 69 + (N-37) + 409 = N + 441$$

$$(N > 1068)$$

$$B_{\bar{N}}(2N+401) = B_{\bar{N}}(2N+401 - B_{\bar{N}}(2N+400)) + B_{\bar{N}}(2N+401 - B_{\bar{N}}(2N+399)) + B_{\bar{N}}(2N+401 - B_{\bar{N}}(2N+398))$$

$$= B_{\bar{N}}(2N+401 - (N+441)) + B_{\bar{N}}(2N+401 - (2N+331)) + B_{\bar{N}}(2N+401 - (N+437))$$

$$= B_{\bar{N}}(N-40) + B_{\bar{N}}(70) + B_{\bar{N}}(N-36) = (N-40) + 70 + (N-36) = 2N-6$$

$$(N \ge 1069)$$

$$B_{\bar{N}}(2N+402) = B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+401)) + B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+400)) + B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+399))$$

$$= B_{\bar{N}}(2N+402-(2N-6)) + B_{\bar{N}}(2N+402-(N+441)) + B_{\bar{N}}(2N+402-(2N+331))$$

$$= B_{\bar{N}}(408) + B_{\bar{N}}(N-39) + B_{\bar{N}}(71) = 408 + (N-39) + 71 = N + 440$$

$$(N \ge 408)$$

$$B_{\bar{N}}(2N+403) = B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+402)) + B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+401)) + B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+400))$$

$$= B_{\bar{N}}(2N+403-(N+440)) + B_{\bar{N}}(2N+403-(2N-6)) + B_{\bar{N}}(2N+403-(N+441))$$

$$= B_{\bar{N}}(N-37) + B_{\bar{N}}(409) + B_{\bar{N}}(N-38) = (N-37) + 409 + (N-38) = 2N+334$$

$$(N \ge 1186)$$

$$B_{\bar{N}}(2N+404) = B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+403)) + B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+402)) + B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+401))$$

$$= B_{\bar{N}}(2N+404-(2N+334)) + B_{\bar{N}}(2N+404-(N+440)) + B_{\bar{N}}(2N+404-(2N-6))$$

$$= B_{\bar{N}}(70) + B_{\bar{N}}(N-36) + B_{\bar{N}}(410) = 70 + (N-36) + 410 = N + 444$$

$$(N \ge 1185)$$

$$B_{\bar{N}}(2N+405) = B_{\bar{N}}(2N+405 - B_{\bar{N}}(2N+404)) + B_{\bar{N}}(2N+405 - B_{\bar{N}}(2N+403)) + B_{\bar{N}}(2N+405 - B_{\bar{N}}(2N+402))$$

$$= B_{\bar{N}}(2N+405 - (N+444)) + B_{\bar{N}}(2N+405 - (2N+334)) + B_{\bar{N}}(2N+405 - (N+440))$$

$$= B_{\bar{N}}(N-39) + B_{\bar{N}}(71) + B_{\bar{N}}(N-35) = (N-39) + 71 + (N-35) = 2N-3$$

$$(N \ge 1184)$$

$$B_{\bar{N}}(2N+406) = B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+405)) + B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+404)) + B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+403))$$

$$= B_{\bar{N}}(2N+406-(2N-3)) + B_{\bar{N}}(2N+406-(N+444)) + B_{\bar{N}}(2N+406-(2N+334))$$

$$= B_{\bar{N}}(409) + B_{\bar{N}}(N-38) + B_{\bar{N}}(72) = 409 + (N-38) + 72 = N+443$$

$$(N \ge 511)$$

$$B_{\bar{N}}(2N+407) = B_{\bar{N}}(2N+407 - B_{\bar{N}}(2N+406)) + B_{\bar{N}}(2N+407 - B_{\bar{N}}(2N+405)) + B_{\bar{N}}(2N+407 - B_{\bar{N}}(2N+404))$$

$$= B_{\bar{N}}(2N+407 - (N+443)) + B_{\bar{N}}(2N+407 - (2N-3)) + B_{\bar{N}}(2N+407 - (N+444))$$

$$= B_{\bar{N}}(N-36) + B_{\bar{N}}(410) + B_{\bar{N}}(N-37) = (N-36) + 410 + (N-37) = 2N + 337$$

$$(N \ge 512)$$

$$B_{\bar{N}}(2N+408) = B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+407)) + B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+406)) + B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+405))$$

$$= B_{\bar{N}}(2N+408-(2N+337)) + B_{\bar{N}}(2N+408-(N+443)) + B_{\bar{N}}(2N+408-(2N-3))$$

$$= B_{\bar{N}}(71) + B_{\bar{N}}(N-35) + B_{\bar{N}}(411) = 71 + (N-35) + 411 = N + 447$$

$$(N \ge 513)$$

$$B_{\bar{N}}(2N+409) = B_{\bar{N}}(2N+409 - B_{\bar{N}}(2N+408)) + B_{\bar{N}}(2N+409 - B_{\bar{N}}(2N+407)) + B_{\bar{N}}(2N+409 - B_{\bar{N}}(2N+406))$$

$$= B_{\bar{N}}(2N+409 - (N+447)) + B_{\bar{N}}(2N+409 - (2N+337)) + B_{\bar{N}}(2N+409 - (N+443))$$

$$= B_{\bar{N}}(N-38) + B_{\bar{N}}(72) + B_{\bar{N}}(N-34) = (N-38) + 72 + (N-34) = 2N$$

$$(N \ge 72)$$

$$B_{\bar{N}}(2N+410) = B_{\bar{N}}(2N+410 - B_{\bar{N}}(2N+409)) + B_{\bar{N}}(2N+410 - B_{\bar{N}}(2N+408)) + B_{\bar{N}}(2N+410 - B_{\bar{N}}(2N+407))$$

$$= B_{\bar{N}}(2N+410-2N) + B_{\bar{N}}(2N+410 - (N+447)) + B_{\bar{N}}(2N+410 - (2N+337))$$

$$= B_{\bar{N}}(410) + B_{\bar{N}}(N-37) + B_{\bar{N}}(73) = 410 + (N-37) + 73 = N + 446$$

$$(N > 410)$$

$$B_{\bar{N}}(2N+411) = B_{\bar{N}}(2N+411 - B_{\bar{N}}(2N+410)) + B_{\bar{N}}(2N+411 - B_{\bar{N}}(2N+409)) + B_{\bar{N}}(2N+411 - B_{\bar{N}}(2N+408))$$

$$= B_{\bar{N}}(2N+411 - (N+446)) + B_{\bar{N}}(2N+411 - 2N) + B_{\bar{N}}(2N+411 - (N+447))$$

$$= B_{\bar{N}}(N-35) + B_{\bar{N}}(411) + B_{\bar{N}}(N-36) = (N-35) + 411 + (N-36) = 2N + 340$$

$$(N \ge 411)$$

$$B_{\bar{N}}(2N+412) = B_{\bar{N}}(2N+412 - B_{\bar{N}}(2N+411)) + B_{\bar{N}}(2N+412 - B_{\bar{N}}(2N+410)) + B_{\bar{N}}(2N+412 - B_{\bar{N}}(2N+409))$$

$$= B_{\bar{N}}(2N+412 - (2N+340)) + B_{\bar{N}}(2N+412 - (N+446)) + B_{\bar{N}}(2N+412 - 2N)$$

$$= B_{\bar{N}}(72) + B_{\bar{N}}(N-34) + B_{\bar{N}}(412) = 72 + (N-34) + 412 = N + 450$$

$$(N \ge 412)$$

$$B_{\bar{N}}(2N+413) = B_{\bar{N}}(2N+413 - B_{\bar{N}}(2N+412)) + B_{\bar{N}}(2N+413 - B_{\bar{N}}(2N+411)) + B_{\bar{N}}(2N+413 - B_{\bar{N}}(2N+410))$$

$$= B_{\bar{N}}(2N+413 - (N+450)) + B_{\bar{N}}(2N+413 - (2N+340)) + B_{\bar{N}}(2N+413 - (N+446))$$

$$= B_{\bar{N}}(N-37) + B_{\bar{N}}(73) + B_{\bar{N}}(N-33) = (N-37) + 73 + (N-33) = 2N+3$$

$$(N \ge 73)$$

$$B_{\bar{N}}(2N+414) = B_{\bar{N}}(2N+414 - B_{\bar{N}}(2N+413)) + B_{\bar{N}}(2N+414 - B_{\bar{N}}(2N+412)) + B_{\bar{N}}(2N+414 - B_{\bar{N}}(2N+411))$$

$$= B_{\bar{N}}(2N+414 - (2N+3)) + B_{\bar{N}}(2N+414 - (N+450)) + B_{\bar{N}}(2N+414 - (2N+340))$$

$$= B_{\bar{N}}(411) + B_{\bar{N}}(N-36) + B_{\bar{N}}(74) = 411 + (N-36) + 74 = N + 449$$

$$(N \ge 411)$$

$$B_{\bar{N}}(2N+415) = B_{\bar{N}}(2N+415 - B_{\bar{N}}(2N+414)) + B_{\bar{N}}(2N+415 - B_{\bar{N}}(2N+413)) + B_{\bar{N}}(2N+415 - B_{\bar{N}}(2N+412))$$

$$= B_{\bar{N}}(2N+415 - (N+449)) + B_{\bar{N}}(2N+415 - (2N+3)) + B_{\bar{N}}(2N+415 - (N+450))$$

$$= B_{\bar{N}}(N-34) + B_{\bar{N}}(412) + B_{\bar{N}}(N-35) = (N-34) + 412 + (N-35) = 2N + 343$$

$$(N > 412)$$

$$B_{\bar{N}}(2N+416) = B_{\bar{N}}(2N+416 - B_{\bar{N}}(2N+415)) + B_{\bar{N}}(2N+416 - B_{\bar{N}}(2N+414)) + B_{\bar{N}}(2N+416 - B_{\bar{N}}(2N+413))$$

$$= B_{\bar{N}}(2N+416 - (2N+343)) + B_{\bar{N}}(2N+416 - (N+449)) + B_{\bar{N}}(2N+416 - (2N+3))$$

$$= B_{\bar{N}}(73) + B_{\bar{N}}(N-33) + B_{\bar{N}}(413) = 73 + (N-33) + 413 = N+453$$

$$(N \ge 413)$$

$$B_{\bar{N}}(2N+417) = B_{\bar{N}}(2N+417 - B_{\bar{N}}(2N+416)) + B_{\bar{N}}(2N+417 - B_{\bar{N}}(2N+415)) + B_{\bar{N}}(2N+417 - B_{\bar{N}}(2N+414))$$

$$= B_{\bar{N}}(2N+417 - (N+453)) + B_{\bar{N}}(2N+417 - (2N+343)) + B_{\bar{N}}(2N+417 - (N+449))$$

$$= B_{\bar{N}}(N-36) + B_{\bar{N}}(74) + B_{\bar{N}}(N-32) = (N-36) + 74 + (N-32) = 2N + 6$$

$$(N \ge 366)$$

$$B_{\bar{N}}(2N+418) = B_{\bar{N}}(2N+418 - B_{\bar{N}}(2N+417)) + B_{\bar{N}}(2N+418 - B_{\bar{N}}(2N+416)) + B_{\bar{N}}(2N+418 - B_{\bar{N}}(2N+415))$$

$$= B_{\bar{N}}(2N+418 - (2N+6)) + B_{\bar{N}}(2N+418 - (N+453)) + B_{\bar{N}}(2N+418 - (2N+343))$$

$$= B_{\bar{N}}(412) + B_{\bar{N}}(N-35) + B_{\bar{N}}(75) = 412 + (N-35) + 75 = N+452$$

$$(N > 412)$$

$$B_{\bar{N}}(2N+419) = B_{\bar{N}}(2N+419 - B_{\bar{N}}(2N+418)) + B_{\bar{N}}(2N+419 - B_{\bar{N}}(2N+417)) + B_{\bar{N}}(2N+419 - B_{\bar{N}}(2N+416))$$

$$= B_{\bar{N}}(2N+419 - (N+452)) + B_{\bar{N}}(2N+419 - (2N+6)) + B_{\bar{N}}(2N+419 - (N+453))$$

$$= B_{\bar{N}}(N-33) + B_{\bar{N}}(413) + B_{\bar{N}}(N-34) = (N-33) + 413 + (N-34) = 2N + 346$$

$$(N \ge 413)$$

$$B_{\bar{N}}(2N+420) = B_{\bar{N}}(2N+420 - B_{\bar{N}}(2N+419)) + B_{\bar{N}}(2N+420 - B_{\bar{N}}(2N+418)) + B_{\bar{N}}(2N+420 - B_{\bar{N}}(2N+417))$$

$$= B_{\bar{N}}(2N+420 - (2N+346)) + B_{\bar{N}}(2N+420 - (N+452)) + B_{\bar{N}}(2N+420 - (2N+6))$$

$$= B_{\bar{N}}(74) + B_{\bar{N}}(N-32) + B_{\bar{N}}(414) = 74 + (N-32) + 414 = N + 456$$

$$(N > 414)$$

$$B_{\bar{N}}(2N+421) = B_{\bar{N}}(2N+421 - B_{\bar{N}}(2N+420)) + B_{\bar{N}}(2N+421 - B_{\bar{N}}(2N+419)) + B_{\bar{N}}(2N+421 - B_{\bar{N}}(2N+418))$$

$$= B_{\bar{N}}(2N+421 - (N+456)) + B_{\bar{N}}(2N+421 - (2N+346)) + B_{\bar{N}}(2N+421 - (N+452))$$

$$= B_{\bar{N}}(N-35) + B_{\bar{N}}(75) + B_{\bar{N}}(N-31) = (N-35) + 75 + (N-31) = 2N + 9$$

$$(N \ge 361)$$

$$B_{\bar{N}}(2N+422) = B_{\bar{N}}(2N+422 - B_{\bar{N}}(2N+421)) + B_{\bar{N}}(2N+422 - B_{\bar{N}}(2N+420)) + B_{\bar{N}}(2N+422 - B_{\bar{N}}(2N+419))$$

$$= B_{\bar{N}}(2N+422 - (2N+9)) + B_{\bar{N}}(2N+422 - (N+456)) + B_{\bar{N}}(2N+422 - (2N+346))$$

$$= B_{\bar{N}}(413) + B_{\bar{N}}(N-34) + B_{\bar{N}}(76) = 413 + (N-34) + 76 = N+455$$

$$(N \ge 413)$$

$$B_{\bar{N}}(2N+423) = B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+422)) + B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+421)) + B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+420))$$

$$= B_{\bar{N}}(2N+423-(N+455)) + B_{\bar{N}}(2N+423-(2N+9)) + B_{\bar{N}}(2N+423-(N+456))$$

$$= B_{\bar{N}}(N-32) + B_{\bar{N}}(414) + B_{\bar{N}}(N-33) = (N-32) + 414 + (N-33) = 2N + 349$$

$$(N > 414)$$

$$B_{\bar{N}}(2N+424) = B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+423)) + B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+422)) + B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+421))$$

$$= B_{\bar{N}}(2N+424-(2N+349)) + B_{\bar{N}}(2N+424-(N+455)) + B_{\bar{N}}(2N+424-(2N+9))$$

$$= B_{\bar{N}}(75) + B_{\bar{N}}(N-31) + B_{\bar{N}}(415) = 75 + (N-31) + 415 = N + 459$$

$$(N > 415)$$

$$B_{\bar{N}}(2N+425) = B_{\bar{N}}(2N+425 - B_{\bar{N}}(2N+424)) + B_{\bar{N}}(2N+425 - B_{\bar{N}}(2N+423)) + B_{\bar{N}}(2N+425 - B_{\bar{N}}(2N+425))$$

$$= B_{\bar{N}}(2N+425 - (N+459)) + B_{\bar{N}}(2N+425 - (2N+349)) + B_{\bar{N}}(2N+425 - (N+455))$$

$$= B_{\bar{N}}(N-34) + B_{\bar{N}}(76) + B_{\bar{N}}(N-30) = (N-34) + 76 + (N-30) = 2N + 12$$

$$(N > 106)$$

$$B_{\bar{N}}(2N+426) = B_{\bar{N}}(2N+426 - B_{\bar{N}}(2N+425)) + B_{\bar{N}}(2N+426 - B_{\bar{N}}(2N+424)) + B_{\bar{N}}(2N+426 - B_{\bar{N}}(2N+423))$$

$$= B_{\bar{N}}(2N+426 - (2N+12)) + B_{\bar{N}}(2N+426 - (N+459)) + B_{\bar{N}}(2N+426 - (2N+349))$$

$$= B_{\bar{N}}(414) + B_{\bar{N}}(N-33) + B_{\bar{N}}(77) = 414 + (N-33) + 77 = N + 458$$

$$(N \ge 414)$$

$$B_{\bar{N}}(2N+427) = B_{\bar{N}}(2N+427 - B_{\bar{N}}(2N+426)) + B_{\bar{N}}(2N+427 - B_{\bar{N}}(2N+425)) + B_{\bar{N}}(2N+427 - B_{\bar{N}}(2N+424))$$

$$= B_{\bar{N}}(2N+427 - (N+458)) + B_{\bar{N}}(2N+427 - (2N+12)) + B_{\bar{N}}(2N+427 - (N+459))$$

$$= B_{\bar{N}}(N-31) + B_{\bar{N}}(415) + B_{\bar{N}}(N-32) = (N-31) + 415 + (N-32) = 2N + 352$$

$$(N \ge 415)$$

$$B_{\bar{N}}(2N+428) = B_{\bar{N}}(2N+428 - B_{\bar{N}}(2N+427)) + B_{\bar{N}}(2N+428 - B_{\bar{N}}(2N+426)) + B_{\bar{N}}(2N+428 - B_{\bar{N}}(2N+425))$$

$$= B_{\bar{N}}(2N+428 - (2N+352)) + B_{\bar{N}}(2N+428 - (N+458)) + B_{\bar{N}}(2N+428 - (2N+12))$$

$$= B_{\bar{N}}(76) + B_{\bar{N}}(N-30) + B_{\bar{N}}(416) = 76 + (N-30) + 416 = N + 462$$

$$(N \ge 416)$$

$$B_{\bar{N}}(2N+429) = B_{\bar{N}}(2N+429 - B_{\bar{N}}(2N+428)) + B_{\bar{N}}(2N+429 - B_{\bar{N}}(2N+427)) + B_{\bar{N}}(2N+429 - B_{\bar{N}}(2N+426))$$

$$= B_{\bar{N}}(2N+429 - (N+462)) + B_{\bar{N}}(2N+429 - (2N+352)) + B_{\bar{N}}(2N+429 - (N+458))$$

$$= B_{\bar{N}}(N-33) + B_{\bar{N}}(77) + B_{\bar{N}}(N-29) = (N-33) + 77 + (N-29) = 2N + 15$$

$$(N \ge 77)$$

$$B_{\bar{N}}(2N+430) = B_{\bar{N}}(2N+430 - B_{\bar{N}}(2N+429)) + B_{\bar{N}}(2N+430 - B_{\bar{N}}(2N+428)) + B_{\bar{N}}(2N+430 - B_{\bar{N}}(2N+427))$$

$$= B_{\bar{N}}(2N+430 - (2N+15)) + B_{\bar{N}}(2N+430 - (N+462)) + B_{\bar{N}}(2N+430 - (2N+352))$$

$$= B_{\bar{N}}(415) + B_{\bar{N}}(N-32) + B_{\bar{N}}(78) = 415 + (N-32) + 78 = N+461$$

$$(N > 415)$$

$$B_{\bar{N}}(2N+431) = B_{\bar{N}}(2N+431 - B_{\bar{N}}(2N+430)) + B_{\bar{N}}(2N+431 - B_{\bar{N}}(2N+429)) + B_{\bar{N}}(2N+431 - B_{\bar{N}}(2N+428))$$

$$= B_{\bar{N}}(2N+431 - (N+461)) + B_{\bar{N}}(2N+431 - (2N+15)) + B_{\bar{N}}(2N+431 - (N+462))$$

$$= B_{\bar{N}}(N-30) + B_{\bar{N}}(416) + B_{\bar{N}}(N-31) = (N-30) + 416 + (N-31) = 2N + 355$$

$$(N \ge 416)$$

$$B_{\bar{N}}(2N+432) = B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+431)) + B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+430)) + B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+429))$$

$$= B_{\bar{N}}(2N+432-(2N+355)) + B_{\bar{N}}(2N+432-(N+461)) + B_{\bar{N}}(2N+432-(2N+15))$$

$$= B_{\bar{N}}(77) + B_{\bar{N}}(N-29) + B_{\bar{N}}(417) = 77 + (N-29) + 417 = N + 465$$

$$(N \ge 417)$$

$$B_{\bar{N}}(2N+433) = B_{\bar{N}}(2N+433 - B_{\bar{N}}(2N+432)) + B_{\bar{N}}(2N+433 - B_{\bar{N}}(2N+431)) + B_{\bar{N}}(2N+433 - B_{\bar{N}}(2N+430))$$

$$= B_{\bar{N}}(2N+433 - (N+465)) + B_{\bar{N}}(2N+433 - (2N+355)) + B_{\bar{N}}(2N+433 - (N+461))$$

$$= B_{\bar{N}}(N-32) + B_{\bar{N}}(78) + B_{\bar{N}}(N-28) = (N-32) + 78 + (N-28) = 2N + 18$$

$$(N \ge 259)$$

$$B_{\bar{N}}(2N+434) = B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+433)) + B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+432)) + B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+431))$$

$$= B_{\bar{N}}(2N+434-(2N+18)) + B_{\bar{N}}(2N+434-(N+465)) + B_{\bar{N}}(2N+434-(2N+355))$$

$$= B_{\bar{N}}(416) + B_{\bar{N}}(N-31) + B_{\bar{N}}(79) = 416 + (N-31) + 79 = N + 464$$

$$(N \ge 416)$$

$$B_{\bar{N}}(2N+435) = B_{\bar{N}}(2N+435 - B_{\bar{N}}(2N+434)) + B_{\bar{N}}(2N+435 - B_{\bar{N}}(2N+433)) + B_{\bar{N}}(2N+435 - B_{\bar{N}}(2N+432))$$

$$= B_{\bar{N}}(2N+435 - (N+464)) + B_{\bar{N}}(2N+435 - (2N+18)) + B_{\bar{N}}(2N+435 - (N+465))$$

$$= B_{\bar{N}}(N-29) + B_{\bar{N}}(417) + B_{\bar{N}}(N-30) = (N-29) + 417 + (N-30) = 2N + 358$$

$$(N \ge 417)$$

$$B_{\bar{N}}(2N+436) = B_{\bar{N}}(2N+436 - B_{\bar{N}}(2N+435)) + B_{\bar{N}}(2N+436 - B_{\bar{N}}(2N+434)) + B_{\bar{N}}(2N+436 - B_{\bar{N}}(2N+433))$$

$$= B_{\bar{N}}(2N+436 - (2N+358)) + B_{\bar{N}}(2N+436 - (N+464)) + B_{\bar{N}}(2N+436 - (2N+18))$$

$$= B_{\bar{N}}(78) + B_{\bar{N}}(N-28) + B_{\bar{N}}(418) = 78 + (N-28) + 418 = N + 468$$

$$(N > 418)$$

$$B_{\bar{N}}(2N+437) = B_{\bar{N}}(2N+437 - B_{\bar{N}}(2N+436)) + B_{\bar{N}}(2N+437 - B_{\bar{N}}(2N+435)) + B_{\bar{N}}(2N+437 - B_{\bar{N}}(2N+434))$$

$$= B_{\bar{N}}(2N+437 - (N+468)) + B_{\bar{N}}(2N+437 - (2N+358)) + B_{\bar{N}}(2N+437 - (N+464))$$

$$= B_{\bar{N}}(N-31) + B_{\bar{N}}(79) + B_{\bar{N}}(N-27) = (N-31) + 79 + (N-27) = 2N + 21$$

$$(N \ge 310)$$

$$B_{\bar{N}}(2N+438) = B_{\bar{N}}(2N+438 - B_{\bar{N}}(2N+437)) + B_{\bar{N}}(2N+438 - B_{\bar{N}}(2N+436)) + B_{\bar{N}}(2N+438 - B_{\bar{N}}(2N+435))$$

$$= B_{\bar{N}}(2N+438 - (2N+21)) + B_{\bar{N}}(2N+438 - (N+468)) + B_{\bar{N}}(2N+438 - (2N+358))$$

$$= B_{\bar{N}}(417) + B_{\bar{N}}(N-30) + B_{\bar{N}}(80) = 417 + (N-30) + 80 = N + 467$$

$$(N \ge 417)$$

$$B_{\bar{N}}(2N+439) = B_{\bar{N}}(2N+439 - B_{\bar{N}}(2N+438)) + B_{\bar{N}}(2N+439 - B_{\bar{N}}(2N+437)) + B_{\bar{N}}(2N+439 - B_{\bar{N}}(2N+436))$$

$$= B_{\bar{N}}(2N+439 - (N+467)) + B_{\bar{N}}(2N+439 - (2N+21)) + B_{\bar{N}}(2N+439 - (N+468))$$

$$= B_{\bar{N}}(N-28) + B_{\bar{N}}(418) + B_{\bar{N}}(N-29) = (N-28) + 418 + (N-29) = 2N + 361$$

$$(N \ge 418)$$

$$B_{\bar{N}}(2N+440) = B_{\bar{N}}(2N+440 - B_{\bar{N}}(2N+439)) + B_{\bar{N}}(2N+440 - B_{\bar{N}}(2N+438)) + B_{\bar{N}}(2N+440 - B_{\bar{N}}(2N+437))$$

$$= B_{\bar{N}}(2N+440 - (2N+361)) + B_{\bar{N}}(2N+440 - (N+467)) + B_{\bar{N}}(2N+440 - (2N+21))$$

$$= B_{\bar{N}}(79) + B_{\bar{N}}(N-27) + B_{\bar{N}}(419) = 79 + (N-27) + 419 = N + 471$$

$$(N > 419)$$

$$B_{\bar{N}}(2N+441) = B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+440)) + B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+439)) + B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+438))$$

$$= B_{\bar{N}}(2N+441-(N+471)) + B_{\bar{N}}(2N+441-(2N+361)) + B_{\bar{N}}(2N+441-(N+467))$$

$$= B_{\bar{N}}(N-30) + B_{\bar{N}}(80) + B_{\bar{N}}(N-26) = (N-30) + 80 + (N-26) = 2N+24$$

$$(N \ge 80)$$

$$B_{\bar{N}}(2N+442) = B_{\bar{N}}(2N+442 - B_{\bar{N}}(2N+441)) + B_{\bar{N}}(2N+442 - B_{\bar{N}}(2N+440)) + B_{\bar{N}}(2N+442 - B_{\bar{N}}(2N+439))$$

$$= B_{\bar{N}}(2N+442 - (2N+24)) + B_{\bar{N}}(2N+442 - (N+471)) + B_{\bar{N}}(2N+442 - (2N+361))$$

$$= B_{\bar{N}}(418) + B_{\bar{N}}(N-29) + B_{\bar{N}}(81) = 418 + (N-29) + 81 = N+470$$

$$(N \ge 418)$$

$$B_{\bar{N}}(2N+443) = B_{\bar{N}}(2N+443 - B_{\bar{N}}(2N+442)) + B_{\bar{N}}(2N+443 - B_{\bar{N}}(2N+441)) + B_{\bar{N}}(2N+443 - B_{\bar{N}}(2N+440))$$

$$= B_{\bar{N}}(2N+443 - (N+470)) + B_{\bar{N}}(2N+443 - (2N+24)) + B_{\bar{N}}(2N+443 - (N+471))$$

$$= B_{\bar{N}}(N-27) + B_{\bar{N}}(419) + B_{\bar{N}}(N-28) = (N-27) + 419 + (N-28) = 2N + 364$$

$$(N \ge 419)$$

$$B_{\bar{N}}(2N+444) = B_{\bar{N}}(2N+444 - B_{\bar{N}}(2N+443)) + B_{\bar{N}}(2N+444 - B_{\bar{N}}(2N+442)) + B_{\bar{N}}(2N+444 - B_{\bar{N}}(2N+441))$$

$$= B_{\bar{N}}(2N+444 - (2N+364)) + B_{\bar{N}}(2N+444 - (N+470)) + B_{\bar{N}}(2N+444 - (2N+24))$$

$$= B_{\bar{N}}(80) + B_{\bar{N}}(N-26) + B_{\bar{N}}(420) = 80 + (N-26) + 420 = N+474$$

$$(N \ge 420)$$

$$B_{\bar{N}}(2N+445) = B_{\bar{N}}(2N+445 - B_{\bar{N}}(2N+444)) + B_{\bar{N}}(2N+445 - B_{\bar{N}}(2N+443)) + B_{\bar{N}}(2N+445 - B_{\bar{N}}(2N+442))$$

$$= B_{\bar{N}}(2N+445 - (N+474)) + B_{\bar{N}}(2N+445 - (2N+364)) + B_{\bar{N}}(2N+445 - (N+470))$$

$$= B_{\bar{N}}(N-29) + B_{\bar{N}}(81) + B_{\bar{N}}(N-25) = (N-29) + 81 + (N-25) = 2N + 27$$

$$(N > 400)$$

$$B_{\bar{N}}(2N+446) = B_{\bar{N}}(2N+446 - B_{\bar{N}}(2N+445)) + B_{\bar{N}}(2N+446 - B_{\bar{N}}(2N+444)) + B_{\bar{N}}(2N+446 - B_{\bar{N}}(2N+443))$$

$$= B_{\bar{N}}(2N+446 - (2N+27)) + B_{\bar{N}}(2N+446 - (N+474)) + B_{\bar{N}}(2N+446 - (2N+364))$$

$$= B_{\bar{N}}(419) + B_{\bar{N}}(N-28) + B_{\bar{N}}(82) = 419 + (N-28) + 82 = N+473$$

$$(N \ge 419)$$

$$B_{\bar{N}}(2N+447) = B_{\bar{N}}(2N+447 - B_{\bar{N}}(2N+446)) + B_{\bar{N}}(2N+447 - B_{\bar{N}}(2N+445)) + B_{\bar{N}}(2N+447 - B_{\bar{N}}(2N+444))$$

$$= B_{\bar{N}}(2N+447 - (N+473)) + B_{\bar{N}}(2N+447 - (2N+27)) + B_{\bar{N}}(2N+447 - (N+474))$$

$$= B_{\bar{N}}(N-26) + B_{\bar{N}}(420) + B_{\bar{N}}(N-27) = (N-26) + 420 + (N-27) = 2N + 367$$

$$(N \ge 420)$$

$$B_{\bar{N}}(2N+448) = B_{\bar{N}}(2N+448 - B_{\bar{N}}(2N+447)) + B_{\bar{N}}(2N+448 - B_{\bar{N}}(2N+446)) + B_{\bar{N}}(2N+448 - B_{\bar{N}}(2N+445))$$

$$= B_{\bar{N}}(2N+448 - (2N+367)) + B_{\bar{N}}(2N+448 - (N+473)) + B_{\bar{N}}(2N+448 - (2N+27))$$

$$= B_{\bar{N}}(81) + B_{\bar{N}}(N-25) + B_{\bar{N}}(421) = 81 + (N-25) + 421 = N + 477$$

$$(N \ge 421)$$

$$B_{\bar{N}}(2N+449) = B_{\bar{N}}(2N+449 - B_{\bar{N}}(2N+448)) + B_{\bar{N}}(2N+449 - B_{\bar{N}}(2N+447)) + B_{\bar{N}}(2N+449 - B_{\bar{N}}(2N+449))$$

$$= B_{\bar{N}}(2N+449 - (N+477)) + B_{\bar{N}}(2N+449 - (2N+367)) + B_{\bar{N}}(2N+449 - (N+473))$$

$$= B_{\bar{N}}(N-28) + B_{\bar{N}}(82) + B_{\bar{N}}(N-24) = (N-28) + 82 + (N-24) = 2N + 30$$

$$(N > 416)$$

$$B_{\bar{N}}(2N+450) = B_{\bar{N}}(2N+450 - B_{\bar{N}}(2N+449)) + B_{\bar{N}}(2N+450 - B_{\bar{N}}(2N+448)) + B_{\bar{N}}(2N+450 - B_{\bar{N}}(2N+447))$$

$$= B_{\bar{N}}(2N+450 - (2N+30)) + B_{\bar{N}}(2N+450 - (N+477)) + B_{\bar{N}}(2N+450 - (2N+367))$$

$$= B_{\bar{N}}(420) + B_{\bar{N}}(N-27) + B_{\bar{N}}(83) = 420 + (N-27) + 83 = N + 476$$

$$(N > 420)$$

$$B_{\bar{N}}(2N+451) = B_{\bar{N}}(2N+451 - B_{\bar{N}}(2N+450)) + B_{\bar{N}}(2N+451 - B_{\bar{N}}(2N+449)) + B_{\bar{N}}(2N+451 - B_{\bar{N}}(2N+448))$$

$$= B_{\bar{N}}(2N+451 - (N+476)) + B_{\bar{N}}(2N+451 - (2N+30)) + B_{\bar{N}}(2N+451 - (N+477))$$

$$= B_{\bar{N}}(N-25) + B_{\bar{N}}(421) + B_{\bar{N}}(N-26) = (N-25) + 421 + (N-26) = 2N + 370$$

$$(N \ge 425)$$

$$B_{\bar{N}}(2N+452) = B_{\bar{N}}(2N+452 - B_{\bar{N}}(2N+451)) + B_{\bar{N}}(2N+452 - B_{\bar{N}}(2N+450)) + B_{\bar{N}}(2N+452 - B_{\bar{N}}(2N+449))$$

$$= B_{\bar{N}}(2N+452 - (2N+370)) + B_{\bar{N}}(2N+452 - (N+476)) + B_{\bar{N}}(2N+452 - (2N+30))$$

$$= B_{\bar{N}}(82) + B_{\bar{N}}(N-24) + B_{\bar{N}}(422) = 82 + (N-24) + 422 = N + 480$$

$$(N \ge 426)$$

$$B_{\bar{N}}(2N+453) = B_{\bar{N}}(2N+453 - B_{\bar{N}}(2N+452)) + B_{\bar{N}}(2N+453 - B_{\bar{N}}(2N+451)) + B_{\bar{N}}(2N+453 - B_{\bar{N}}(2N+450))$$

$$= B_{\bar{N}}(2N+453 - (N+480)) + B_{\bar{N}}(2N+453 - (2N+370)) + B_{\bar{N}}(2N+453 - (N+476))$$

$$= B_{\bar{N}}(N-27) + B_{\bar{N}}(83) + B_{\bar{N}}(N-23) = (N-27) + 83 + (N-23) = 2N+33$$

$$(N \ge 427)$$

$$B_{\bar{N}}(2N+454) = B_{\bar{N}}(2N+454 - B_{\bar{N}}(2N+453)) + B_{\bar{N}}(2N+454 - B_{\bar{N}}(2N+452)) + B_{\bar{N}}(2N+454 - B_{\bar{N}}(2N+451))$$

$$= B_{\bar{N}}(2N+454 - (2N+33)) + B_{\bar{N}}(2N+454 - (N+480)) + B_{\bar{N}}(2N+454 - (2N+370))$$

$$= B_{\bar{N}}(421) + B_{\bar{N}}(N-26) + B_{\bar{N}}(84) = 421 + (N-26) + 84 = N + 479$$

$$(N \ge 421)$$

$$B_{\bar{N}}(2N+455) = B_{\bar{N}}(2N+455 - B_{\bar{N}}(2N+454)) + B_{\bar{N}}(2N+455 - B_{\bar{N}}(2N+453)) + B_{\bar{N}}(2N+455 - B_{\bar{N}}(2N+452))$$

$$= B_{\bar{N}}(2N+455 - (N+479)) + B_{\bar{N}}(2N+455 - (2N+33)) + B_{\bar{N}}(2N+455 - (N+480))$$

$$= B_{\bar{N}}(N-24) + B_{\bar{N}}(422) + B_{\bar{N}}(N-25) = (N-24) + 422 + (N-25) = 2N + 373$$

$$(N \ge 856)$$

$$B_{\bar{N}}(2N+456) = B_{\bar{N}}(2N+456 - B_{\bar{N}}(2N+455)) + B_{\bar{N}}(2N+456 - B_{\bar{N}}(2N+454)) + B_{\bar{N}}(2N+456 - B_{\bar{N}}(2N+453))$$

$$= B_{\bar{N}}(2N+456 - (2N+373)) + B_{\bar{N}}(2N+456 - (N+479)) + B_{\bar{N}}(2N+456 - (2N+33))$$

$$= B_{\bar{N}}(83) + B_{\bar{N}}(N-23) + B_{\bar{N}}(423) = 83 + (N-23) + 423 = N + 483$$

$$(N > 863)$$

$$B_{\bar{N}}(2N+457) = B_{\bar{N}}(2N+457 - B_{\bar{N}}(2N+456)) + B_{\bar{N}}(2N+457 - B_{\bar{N}}(2N+455)) + B_{\bar{N}}(2N+457 - B_{\bar{N}}(2N+454))$$

$$= B_{\bar{N}}(2N+457 - (N+483)) + B_{\bar{N}}(2N+457 - (2N+373)) + B_{\bar{N}}(2N+457 - (N+479))$$

$$= B_{\bar{N}}(N-26) + B_{\bar{N}}(84) + B_{\bar{N}}(N-22) = (N-26) + 84 + (N-22) = 2N + 36$$

$$(N \ge 870)$$

$$B_{\bar{N}}(2N+458) = B_{\bar{N}}(2N+458 - B_{\bar{N}}(2N+457)) + B_{\bar{N}}(2N+458 - B_{\bar{N}}(2N+456)) + B_{\bar{N}}(2N+458 - B_{\bar{N}}(2N+455))$$

$$= B_{\bar{N}}(2N+458 - (2N+36)) + B_{\bar{N}}(2N+458 - (N+483)) + B_{\bar{N}}(2N+458 - (2N+373))$$

$$= B_{\bar{N}}(422) + B_{\bar{N}}(N-25) + B_{\bar{N}}(85) = 422 + (N-25) + 85 = N + 482$$

$$(N \ge 422)$$

$$B_{\bar{N}}(2N+459) = B_{\bar{N}}(2N+459 - B_{\bar{N}}(2N+458)) + B_{\bar{N}}(2N+459 - B_{\bar{N}}(2N+457)) + B_{\bar{N}}(2N+459 - B_{\bar{N}}(2N+456))$$

$$= B_{\bar{N}}(2N+459 - (N+482)) + B_{\bar{N}}(2N+459 - (2N+36)) + B_{\bar{N}}(2N+459 - (N+483))$$

$$= B_{\bar{N}}(N-23) + B_{\bar{N}}(423) + B_{\bar{N}}(N-24) = (N-23) + 423 + (N-24) = 2N + 376$$

$$(N \ge 423)$$

$$B_{\bar{N}}(2N+460) = B_{\bar{N}}(2N+460 - B_{\bar{N}}(2N+459)) + B_{\bar{N}}(2N+460 - B_{\bar{N}}(2N+458)) + B_{\bar{N}}(2N+460 - B_{\bar{N}}(2N+457))$$

$$= B_{\bar{N}}(2N+460 - (2N+376)) + B_{\bar{N}}(2N+460 - (N+482)) + B_{\bar{N}}(2N+460 - (2N+36))$$

$$= B_{\bar{N}}(84) + B_{\bar{N}}(N-22) + B_{\bar{N}}(424) = 84 + (N-22) + 424 = N + 486$$

$$(N > 600)$$

$$B_{\bar{N}}(2N+461) = B_{\bar{N}}(2N+461 - B_{\bar{N}}(2N+460)) + B_{\bar{N}}(2N+461 - B_{\bar{N}}(2N+459)) + B_{\bar{N}}(2N+461 - B_{\bar{N}}(2N+458))$$

$$= B_{\bar{N}}(2N+461 - (N+486)) + B_{\bar{N}}(2N+461 - (2N+376)) + B_{\bar{N}}(2N+461 - (N+482))$$

$$= B_{\bar{N}}(N-25) + B_{\bar{N}}(85) + B_{\bar{N}}(N-21) = (N-25) + 85 + (N-21) = 2N + 39$$

$$(N > 3286) *$$

$$B_{\bar{N}}(2N+462) = B_{\bar{N}}(2N+462 - B_{\bar{N}}(2N+461)) + B_{\bar{N}}(2N+462 - B_{\bar{N}}(2N+460)) + B_{\bar{N}}(2N+462 - B_{\bar{N}}(2N+459))$$

$$= B_{\bar{N}}(2N+462 - (2N+39)) + B_{\bar{N}}(2N+462 - (N+486)) + B_{\bar{N}}(2N+462 - (2N+376))$$

$$= B_{\bar{N}}(423) + B_{\bar{N}}(N-24) + B_{\bar{N}}(86) = 423 + (N-24) + 86 = N+485$$

$$(N \ge 3293) *$$

$$B_{\bar{N}}(2N+463) = B_{\bar{N}}(2N+463 - B_{\bar{N}}(2N+462)) + B_{\bar{N}}(2N+463 - B_{\bar{N}}(2N+461)) + B_{\bar{N}}(2N+463 - B_{\bar{N}}(2N+460))$$

$$= B_{\bar{N}}(2N+463 - (N+485)) + B_{\bar{N}}(2N+463 - (2N+39)) + B_{\bar{N}}(2N+463 - (N+486))$$

$$= B_{\bar{N}}(N-22) + B_{\bar{N}}(424) + B_{\bar{N}}(N-23) = (N-22) + 424 + (N-23) = 2N + 379$$

$$(N > 3300) *$$

$$B_{\bar{N}}(2N+464) = B_{\bar{N}}(2N+464 - B_{\bar{N}}(2N+463)) + B_{\bar{N}}(2N+464 - B_{\bar{N}}(2N+462)) + B_{\bar{N}}(2N+464 - B_{\bar{N}}(2N+461))$$

$$= B_{\bar{N}}(2N+464 - (2N+379)) + B_{\bar{N}}(2N+464 - (N+485)) + B_{\bar{N}}(2N+464 - (2N+39))$$

$$= B_{\bar{N}}(85) + B_{\bar{N}}(N-21) + B_{\bar{N}}(425) = 85 + (N-21) + 425 = N + 489$$

$$(N > 603)$$

$$B_{\bar{N}}(2N+465) = B_{\bar{N}}(2N+465 - B_{\bar{N}}(2N+464)) + B_{\bar{N}}(2N+465 - B_{\bar{N}}(2N+463)) + B_{\bar{N}}(2N+465 - B_{\bar{N}}(2N+462))$$

$$= B_{\bar{N}}(2N+465 - (N+489)) + B_{\bar{N}}(2N+465 - (2N+379)) + B_{\bar{N}}(2N+465 - (N+485))$$

$$= B_{\bar{N}}(N-24) + B_{\bar{N}}(86) + B_{\bar{N}}(N-20) = (N-24) + 86 + (N-20) = 2N + 42$$

$$(N \ge 2095)$$

$$B_{\bar{N}}(2N+466) = B_{\bar{N}}(2N+466 - B_{\bar{N}}(2N+465)) + B_{\bar{N}}(2N+466 - B_{\bar{N}}(2N+464)) + B_{\bar{N}}(2N+466 - B_{\bar{N}}(2N+463))$$

$$= B_{\bar{N}}(2N+466 - (2N+42)) + B_{\bar{N}}(2N+466 - (N+489)) + B_{\bar{N}}(2N+466 - (2N+379))$$

$$= B_{\bar{N}}(424) + B_{\bar{N}}(N-23) + B_{\bar{N}}(87) = 424 + (N-23) + 87 = N + 488$$

$$(N \ge 2102)$$

$$B_{\bar{N}}(2N+467) = B_{\bar{N}}(2N+467 - B_{\bar{N}}(2N+466)) + B_{\bar{N}}(2N+467 - B_{\bar{N}}(2N+465)) + B_{\bar{N}}(2N+467 - B_{\bar{N}}(2N+464))$$

$$= B_{\bar{N}}(2N+467 - (N+488)) + B_{\bar{N}}(2N+467 - (2N+42)) + B_{\bar{N}}(2N+467 - (N+489))$$

$$= B_{\bar{N}}(N-21) + B_{\bar{N}}(425) + B_{\bar{N}}(N-22) = (N-21) + 425 + (N-22) = 2N + 382$$

$$(N \ge 2109)$$

$$B_{\bar{N}}(2N+468) = B_{\bar{N}}(2N+468 - B_{\bar{N}}(2N+467)) + B_{\bar{N}}(2N+468 - B_{\bar{N}}(2N+466)) + B_{\bar{N}}(2N+468 - B_{\bar{N}}(2N+465))$$

$$= B_{\bar{N}}(2N+468 - (2N+382)) + B_{\bar{N}}(2N+468 - (N+488)) + B_{\bar{N}}(2N+468 - (2N+42))$$

$$= B_{\bar{N}}(86) + B_{\bar{N}}(N-20) + B_{\bar{N}}(426) = 86 + (N-20) + 426 = N + 492$$

$$(N \ge 541)$$

$$B_{\bar{N}}(2N+469) = B_{\bar{N}}(2N+469 - B_{\bar{N}}(2N+468)) + B_{\bar{N}}(2N+469 - B_{\bar{N}}(2N+467)) + B_{\bar{N}}(2N+469 - B_{\bar{N}}(2N+469))$$

$$= B_{\bar{N}}(2N+469 - (N+492)) + B_{\bar{N}}(2N+469 - (2N+382)) + B_{\bar{N}}(2N+469 - (N+488))$$

$$= B_{\bar{N}}(N-23) + B_{\bar{N}}(87) + B_{\bar{N}}(N-19) = (N-23) + 87 + (N-19) = 2N + 45$$

$$(N \ge 540)$$

$$B_{\bar{N}}(2N+470) = B_{\bar{N}}(2N+470 - B_{\bar{N}}(2N+469)) + B_{\bar{N}}(2N+470 - B_{\bar{N}}(2N+468)) + B_{\bar{N}}(2N+470 - B_{\bar{N}}(2N+467))$$

$$= B_{\bar{N}}(2N+470 - (2N+45)) + B_{\bar{N}}(2N+470 - (N+492)) + B_{\bar{N}}(2N+470 - (2N+382))$$

$$= B_{\bar{N}}(425) + B_{\bar{N}}(N-22) + B_{\bar{N}}(88) = 425 + (N-22) + 88 = N+491$$

$$(N > 539)$$

$$B_{\bar{N}}(2N+471) = B_{\bar{N}}(2N+471 - B_{\bar{N}}(2N+470)) + B_{\bar{N}}(2N+471 - B_{\bar{N}}(2N+469)) + B_{\bar{N}}(2N+471 - B_{\bar{N}}(2N+468))$$

$$= B_{\bar{N}}(2N+471 - (N+491)) + B_{\bar{N}}(2N+471 - (2N+45)) + B_{\bar{N}}(2N+471 - (N+492))$$

$$= B_{\bar{N}}(N-20) + B_{\bar{N}}(426) + B_{\bar{N}}(N-21) = (N-20) + 426 + (N-21) = 2N + 385$$

$$(N \ge 426)$$

$$B_{\bar{N}}(2N+472) = B_{\bar{N}}(2N+472 - B_{\bar{N}}(2N+471)) + B_{\bar{N}}(2N+472 - B_{\bar{N}}(2N+470)) + B_{\bar{N}}(2N+472 - B_{\bar{N}}(2N+469))$$

$$= B_{\bar{N}}(2N+472 - (2N+385)) + B_{\bar{N}}(2N+472 - (N+491)) + B_{\bar{N}}(2N+472 - (2N+45))$$

$$= B_{\bar{N}}(87) + B_{\bar{N}}(N-19) + B_{\bar{N}}(427) = 87 + (N-19) + 427 = N + 495$$

$$(N \ge 467)$$

$$B_{\bar{N}}(2N+473) = B_{\bar{N}}(2N+473 - B_{\bar{N}}(2N+472)) + B_{\bar{N}}(2N+473 - B_{\bar{N}}(2N+471)) + B_{\bar{N}}(2N+473 - B_{\bar{N}}(2N+470))$$

$$= B_{\bar{N}}(2N+473 - (N+495)) + B_{\bar{N}}(2N+473 - (2N+385)) + B_{\bar{N}}(2N+473 - (N+491))$$

$$= B_{\bar{N}}(N-22) + B_{\bar{N}}(88) + B_{\bar{N}}(N-18) = (N-22) + 88 + (N-18) = 2N+48$$

$$(N > 468)$$

$$B_{\bar{N}}(2N+474) = B_{\bar{N}}(2N+474 - B_{\bar{N}}(2N+473)) + B_{\bar{N}}(2N+474 - B_{\bar{N}}(2N+472)) + B_{\bar{N}}(2N+474 - B_{\bar{N}}(2N+471))$$

$$= B_{\bar{N}}(2N+474 - (2N+48)) + B_{\bar{N}}(2N+474 - (N+495)) + B_{\bar{N}}(2N+474 - (2N+385))$$

$$= B_{\bar{N}}(426) + B_{\bar{N}}(N-21) + B_{\bar{N}}(89) = 426 + (N-21) + 89 = N+494$$

$$(N \ge 469)$$

$$B_{\bar{N}}(2N+475) = B_{\bar{N}}(2N+475 - B_{\bar{N}}(2N+474)) + B_{\bar{N}}(2N+475 - B_{\bar{N}}(2N+473)) + B_{\bar{N}}(2N+475 - B_{\bar{N}}(2N+472))$$

$$= B_{\bar{N}}(2N+475 - (N+494)) + B_{\bar{N}}(2N+475 - (2N+48)) + B_{\bar{N}}(2N+475 - (N+495))$$

$$= B_{\bar{N}}(N-19) + B_{\bar{N}}(427) + B_{\bar{N}}(N-20) = (N-19) + 427 + (N-20) = 2N + 388$$

$$(N \ge 427)$$

$$B_{\bar{N}}(2N+476) = B_{\bar{N}}(2N+476 - B_{\bar{N}}(2N+475)) + B_{\bar{N}}(2N+476 - B_{\bar{N}}(2N+474)) + B_{\bar{N}}(2N+476 - B_{\bar{N}}(2N+473))$$

$$= B_{\bar{N}}(2N+476 - (2N+388)) + B_{\bar{N}}(2N+476 - (N+494)) + B_{\bar{N}}(2N+476 - (2N+48))$$

$$= B_{\bar{N}}(88) + B_{\bar{N}}(N-18) + B_{\bar{N}}(428) = 88 + (N-18) + 428 = N + 498$$

$$(N \ge 473)$$

$$B_{\bar{N}}(2N+477) = B_{\bar{N}}(2N+477 - B_{\bar{N}}(2N+476)) + B_{\bar{N}}(2N+477 - B_{\bar{N}}(2N+475)) + B_{\bar{N}}(2N+477 - B_{\bar{N}}(2N+474))$$

$$= B_{\bar{N}}(2N+477 - (N+498)) + B_{\bar{N}}(2N+477 - (2N+388)) + B_{\bar{N}}(2N+477 - (N+494))$$

$$= B_{\bar{N}}(N-21) + B_{\bar{N}}(89) + B_{\bar{N}}(N-17) = (N-21) + 89 + (N-17) = 2N + 51$$

$$(N \ge 474)$$

$$B_{\bar{N}}(2N+478) = B_{\bar{N}}(2N+478 - B_{\bar{N}}(2N+477)) + B_{\bar{N}}(2N+478 - B_{\bar{N}}(2N+476)) + B_{\bar{N}}(2N+478 - B_{\bar{N}}(2N+475))$$

$$= B_{\bar{N}}(2N+478 - (2N+51)) + B_{\bar{N}}(2N+478 - (N+498)) + B_{\bar{N}}(2N+478 - (2N+388))$$

$$= B_{\bar{N}}(427) + B_{\bar{N}}(N-20) + B_{\bar{N}}(90) = 427 + (N-20) + 90 = N+497$$

$$(N > 475)$$

$$B_{\bar{N}}(2N+479) = B_{\bar{N}}(2N+479 - B_{\bar{N}}(2N+478)) + B_{\bar{N}}(2N+479 - B_{\bar{N}}(2N+477)) + B_{\bar{N}}(2N+479 - B_{\bar{N}}(2N+476))$$

$$= B_{\bar{N}}(2N+479 - (N+497)) + B_{\bar{N}}(2N+479 - (2N+51)) + B_{\bar{N}}(2N+479 - (N+498))$$

$$= B_{\bar{N}}(N-18) + B_{\bar{N}}(428) + B_{\bar{N}}(N-19) = (N-18) + 428 + (N-19) = 2N + 391$$

$$(N \ge 428)$$

$$B_{\bar{N}}(2N+480) = B_{\bar{N}}(2N+480 - B_{\bar{N}}(2N+479)) + B_{\bar{N}}(2N+480 - B_{\bar{N}}(2N+478)) + B_{\bar{N}}(2N+480 - B_{\bar{N}}(2N+477))$$

$$= B_{\bar{N}}(2N+480 - (2N+391)) + B_{\bar{N}}(2N+480 - (N+497)) + B_{\bar{N}}(2N+480 - (2N+51))$$

$$= B_{\bar{N}}(89) + B_{\bar{N}}(N-17) + B_{\bar{N}}(429) = 89 + (N-17) + 429 = N + 501$$

$$(N > 474)$$

$$B_{\bar{N}}(2N+481) = B_{\bar{N}}(2N+481 - B_{\bar{N}}(2N+480)) + B_{\bar{N}}(2N+481 - B_{\bar{N}}(2N+479)) + B_{\bar{N}}(2N+481 - B_{\bar{N}}(2N+478))$$

$$= B_{\bar{N}}(2N+481 - (N+501)) + B_{\bar{N}}(2N+481 - (2N+391)) + B_{\bar{N}}(2N+481 - (N+497))$$

$$= B_{\bar{N}}(N-20) + B_{\bar{N}}(90) + B_{\bar{N}}(N-16) = (N-20) + 90 + (N-16) = 2N + 54$$

$$(N \ge 475)$$

$$B_{\bar{N}}(2N+482) = B_{\bar{N}}(2N+482 - B_{\bar{N}}(2N+481)) + B_{\bar{N}}(2N+482 - B_{\bar{N}}(2N+480)) + B_{\bar{N}}(2N+482 - B_{\bar{N}}(2N+479))$$

$$= B_{\bar{N}}(2N+482 - (2N+54)) + B_{\bar{N}}(2N+482 - (N+501)) + B_{\bar{N}}(2N+482 - (2N+391))$$

$$= B_{\bar{N}}(428) + B_{\bar{N}}(N-19) + B_{\bar{N}}(91) = 428 + (N-19) + 91 = N + 500$$

$$(N \ge 476)$$

$$B_{\bar{N}}(2N+483) = B_{\bar{N}}(2N+483 - B_{\bar{N}}(2N+482)) + B_{\bar{N}}(2N+483 - B_{\bar{N}}(2N+481)) + B_{\bar{N}}(2N+483 - B_{\bar{N}}(2N+480))$$

$$= B_{\bar{N}}(2N+483 - (N+500)) + B_{\bar{N}}(2N+483 - (2N+54)) + B_{\bar{N}}(2N+483 - (N+501))$$

$$= B_{\bar{N}}(N-17) + B_{\bar{N}}(429) + B_{\bar{N}}(N-18) = (N-17) + 429 + (N-18) = 2N + 394$$

$$(N > 429)$$

$$B_{\bar{N}}(2N+484) = B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+483)) + B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+482)) + B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+481))$$

$$= B_{\bar{N}}(2N+484-(2N+394)) + B_{\bar{N}}(2N+484-(N+500)) + B_{\bar{N}}(2N+484-(2N+54))$$

$$= B_{\bar{N}}(90) + B_{\bar{N}}(N-16) + B_{\bar{N}}(430) = 90 + (N-16) + 430 = N + 504$$

$$(N > 475)$$

$$B_{\bar{N}}(2N+485) = B_{\bar{N}}(2N+485 - B_{\bar{N}}(2N+484)) + B_{\bar{N}}(2N+485 - B_{\bar{N}}(2N+483)) + B_{\bar{N}}(2N+485 - B_{\bar{N}}(2N+482))$$

$$= B_{\bar{N}}(2N+485 - (N+504)) + B_{\bar{N}}(2N+485 - (2N+394)) + B_{\bar{N}}(2N+485 - (N+500))$$

$$= B_{\bar{N}}(N-19) + B_{\bar{N}}(91) + B_{\bar{N}}(N-15) = (N-19) + 91 + (N-15) = 2N + 57$$

$$(N \ge 476)$$

$$B_{\bar{N}}(2N+486) = B_{\bar{N}}(2N+486 - B_{\bar{N}}(2N+485)) + B_{\bar{N}}(2N+486 - B_{\bar{N}}(2N+484)) + B_{\bar{N}}(2N+486 - B_{\bar{N}}(2N+483))$$

$$= B_{\bar{N}}(2N+486 - (2N+57)) + B_{\bar{N}}(2N+486 - (N+504)) + B_{\bar{N}}(2N+486 - (2N+394))$$

$$= B_{\bar{N}}(429) + B_{\bar{N}}(N-18) + B_{\bar{N}}(92) = 429 + (N-18) + 92 = N + 503$$

$$(N \ge 477)$$

$$B_{\bar{N}}(2N+487) = B_{\bar{N}}(2N+487 - B_{\bar{N}}(2N+486)) + B_{\bar{N}}(2N+487 - B_{\bar{N}}(2N+485)) + B_{\bar{N}}(2N+487 - B_{\bar{N}}(2N+484))$$

$$= B_{\bar{N}}(2N+487 - (N+503)) + B_{\bar{N}}(2N+487 - (2N+57)) + B_{\bar{N}}(2N+487 - (N+504))$$

$$= B_{\bar{N}}(N-16) + B_{\bar{N}}(430) + B_{\bar{N}}(N-17) = (N-16) + 430 + (N-17) = 2N + 397$$

$$(N \ge 476)$$

$$B_{\bar{N}}(2N+488) = B_{\bar{N}}(2N+488 - B_{\bar{N}}(2N+487)) + B_{\bar{N}}(2N+488 - B_{\bar{N}}(2N+486)) + B_{\bar{N}}(2N+488 - B_{\bar{N}}(2N+485))$$

$$= B_{\bar{N}}(2N+488 - (2N+397)) + B_{\bar{N}}(2N+488 - (N+503)) + B_{\bar{N}}(2N+488 - (2N+57))$$

$$= B_{\bar{N}}(91) + B_{\bar{N}}(N-15) + B_{\bar{N}}(431) = 91 + (N-15) + 431 = N + 507$$

$$(N \ge 503)$$

$$B_{\bar{N}}(2N+489) = B_{\bar{N}}(2N+489 - B_{\bar{N}}(2N+488)) + B_{\bar{N}}(2N+489 - B_{\bar{N}}(2N+487)) + B_{\bar{N}}(2N+489 - B_{\bar{N}}(2N+486))$$

$$= B_{\bar{N}}(2N+489 - (N+507)) + B_{\bar{N}}(2N+489 - (2N+397)) + B_{\bar{N}}(2N+489 - (N+503))$$

$$= B_{\bar{N}}(N-18) + B_{\bar{N}}(92) + B_{\bar{N}}(N-14) = (N-18) + 92 + (N-14) = 2N + 60$$

$$(N \ge 506)$$

$$B_{\bar{N}}(2N+490) = B_{\bar{N}}(2N+490 - B_{\bar{N}}(2N+489)) + B_{\bar{N}}(2N+490 - B_{\bar{N}}(2N+488)) + B_{\bar{N}}(2N+490 - B_{\bar{N}}(2N+487))$$

$$= B_{\bar{N}}(2N+490 - (2N+60)) + B_{\bar{N}}(2N+490 - (N+507)) + B_{\bar{N}}(2N+490 - (2N+397))$$

$$= B_{\bar{N}}(430) + B_{\bar{N}}(N-17) + B_{\bar{N}}(93) = 430 + (N-17) + 93 = N + 506$$

$$(N > 510)$$

$$B_{\bar{N}}(2N+491) = B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+490)) + B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491)) + B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+491-B$$

$$B_{\bar{N}}(2N+492) = B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+491)) + B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+490)) + B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+492))$$

$$= B_{\bar{N}}(2N+492-(2N+400)) + B_{\bar{N}}(2N+492-(N+506)) + B_{\bar{N}}(2N+492-(2N+60))$$

$$= B_{\bar{N}}(92) + B_{\bar{N}}(N-14) + B_{\bar{N}}(432) = 92 + (N-14) + 432 = N + 510$$

$$(N \ge 478)$$

$$B_{\bar{N}}(2N+493) = B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+492)) + B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+491)) + B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+490))$$

$$= B_{\bar{N}}(2N+493-(N+510)) + B_{\bar{N}}(2N+493-(2N+400)) + B_{\bar{N}}(2N+493-(N+506))$$

$$= B_{\bar{N}}(N-17) + B_{\bar{N}}(93) + B_{\bar{N}}(N-13) = (N-17) + 93 + (N-13) = 2N + 63$$

$$(N \ge 479)$$

$$B_{\bar{N}}(2N+494) = B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+493)) + B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+492)) + B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+491))$$

$$= B_{\bar{N}}(2N+494-(2N+63)) + B_{\bar{N}}(2N+494-(N+510)) + B_{\bar{N}}(2N+494-(2N+400))$$

$$= B_{\bar{N}}(431) + B_{\bar{N}}(N-16) + B_{\bar{N}}(94) = 431 + (N-16) + 94 = N + 509$$

$$(N > 479)$$

$$B_{\bar{N}}(2N+495) = B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+494)) + B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+493)) + B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+492))$$

$$= B_{\bar{N}}(2N+495-(N+509)) + B_{\bar{N}}(2N+495-(2N+63)) + B_{\bar{N}}(2N+495-(N+510))$$

$$= B_{\bar{N}}(N-14) + B_{\bar{N}}(432) + B_{\bar{N}}(N-15) = (N-14) + 432 + (N-15) = 2N + 403$$

$$(N > 484)$$

$$B_{\bar{N}}(2N+496) = B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+495)) + B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+494)) + B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+493))$$

$$= B_{\bar{N}}(2N+496-(2N+403)) + B_{\bar{N}}(2N+496-(N+509)) + B_{\bar{N}}(2N+496-(2N+63))$$

$$= B_{\bar{N}}(93) + B_{\bar{N}}(N-13) + B_{\bar{N}}(433) = 93 + (N-13) + 433 = N + 513$$

$$(N \ge 496)$$

$$B_{\bar{N}}(2N+497) = B_{\bar{N}}(2N+497 - B_{\bar{N}}(2N+496)) + B_{\bar{N}}(2N+497 - B_{\bar{N}}(2N+495)) + B_{\bar{N}}(2N+497 - B_{\bar{N}}(2N+494))$$

$$= B_{\bar{N}}(2N+497 - (N+513)) + B_{\bar{N}}(2N+497 - (2N+403)) + B_{\bar{N}}(2N+497 - (N+509))$$

$$= B_{\bar{N}}(N-16) + B_{\bar{N}}(94) + B_{\bar{N}}(N-12) = (N-16) + 94 + (N-12) = 2N + 66$$

$$(N \ge 497)$$

$$B_{\bar{N}}(2N+498) = B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+497)) + B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+496)) + B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+495))$$

$$= B_{\bar{N}}(2N+498-(2N+66)) + B_{\bar{N}}(2N+498-(N+513)) + B_{\bar{N}}(2N+498-(2N+403))$$

$$= B_{\bar{N}}(432) + B_{\bar{N}}(N-15) + B_{\bar{N}}(95) = 432 + (N-15) + 95 = N + 512$$

$$(N \ge 498)$$

$$B_{\bar{N}}(2N+499) = B_{\bar{N}}(2N+499 - B_{\bar{N}}(2N+498)) + B_{\bar{N}}(2N+499 - B_{\bar{N}}(2N+497)) + B_{\bar{N}}(2N+499 - B_{\bar{N}}(2N+496))$$

$$= B_{\bar{N}}(2N+499 - (N+512)) + B_{\bar{N}}(2N+499 - (2N+66)) + B_{\bar{N}}(2N+499 - (N+513))$$

$$= B_{\bar{N}}(N-13) + B_{\bar{N}}(433) + B_{\bar{N}}(N-14) = (N-13) + 433 + (N-14) = 2N + 406$$

$$(N \ge 433)$$

$$B_{\bar{N}}(2N+500) = B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+499)) + B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+498)) + B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+497))$$

$$= B_{\bar{N}}(2N+500-(2N+406)) + B_{\bar{N}}(2N+500-(N+512)) + B_{\bar{N}}(2N+500-(2N+66))$$

$$= B_{\bar{N}}(94) + B_{\bar{N}}(N-12) + B_{\bar{N}}(434) = 94 + (N-12) + 434 = N + 516$$

$$(N > 434)$$

$$B_{\bar{N}}(2N+501) = B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+500)) + B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+499)) + B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+498))$$

$$= B_{\bar{N}}(2N+501-(N+516)) + B_{\bar{N}}(2N+501-(2N+406)) + B_{\bar{N}}(2N+501-(N+512))$$

$$= B_{\bar{N}}(N-15) + B_{\bar{N}}(95) + B_{\bar{N}}(N-11) = (N-15) + 95 + (N-11) = 2N + 69$$

$$(N \ge 3531) *$$

$$B_{\bar{N}}(2N+502) = B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+501)) + B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+500)) + B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+499))$$

$$= B_{\bar{N}}(2N+502-(2N+69)) + B_{\bar{N}}(2N+502-(N+516)) + B_{\bar{N}}(2N+502-(2N+406))$$

$$= B_{\bar{N}}(433) + B_{\bar{N}}(N-14) + B_{\bar{N}}(96) = 433 + (N-14) + 96 = N+515$$

$$(N \ge 3538) *$$

$$B_{\bar{N}}(2N+503) = B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+502)) + B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+501)) + B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+500)) + B_{\bar{N}}(2N+503-(N+515)) + B_{\bar{N}}(2N+503-(2N+69)) + B_{\bar{N}}(2N+503-(N+516)) = B_{\bar{N}}(N-12) + B_{\bar{N}}(434) + B_{\bar{N}}(N-13) = (N-12) + 434 + (N-13) = 2N + 409$$

$$(N \ge 3545) *$$

$$B_{\bar{N}}(2N+504) = B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+503)) + B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+502)) + B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+501))$$

$$= B_{\bar{N}}(2N+504-(2N+409)) + B_{\bar{N}}(2N+504-(N+515)) + B_{\bar{N}}(2N+504-(2N+69))$$

$$= B_{\bar{N}}(95) + B_{\bar{N}}(N-11) + B_{\bar{N}}(435) = 95 + (N-11) + 435 = N+519$$

$$(N \ge 435)$$

$$B_{\bar{N}}(2N+505) = B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+504)) + B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+503)) + B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+502))$$

$$= B_{\bar{N}}(2N+505-(N+519)) + B_{\bar{N}}(2N+505-(2N+409)) + B_{\bar{N}}(2N+505-(N+515))$$

$$= B_{\bar{N}}(N-14) + B_{\bar{N}}(96) + B_{\bar{N}}(N-10) = (N-14) + 96 + (N-10) = 2N + 72$$

$$(N \ge 428)$$

$$B_{\bar{N}}(2N+506) = B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+505)) + B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+504)) + B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+503)) + B_{\bar{N}}(2N+506-(2N+72)) + B_{\bar{N}}(2N+506-(N+519)) + B_{\bar{N}}(2N+506-(2N+409)) + B_{\bar{N}}(434) + B_{\bar{N}}(N-13) + B_{\bar{N}}(97) = 434 + (N-13) + 97 = N + 518$$

$$(N \ge 488)$$

$$B_{\bar{N}}(2N+507) = B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+506)) + B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+505)) + B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+504))$$

$$= B_{\bar{N}}(2N+507-(N+518)) + B_{\bar{N}}(2N+507-(2N+72)) + B_{\bar{N}}(2N+507-(N+519))$$

$$= B_{\bar{N}}(N-11) + B_{\bar{N}}(435) + B_{\bar{N}}(N-12) = (N-11) + 435 + (N-12) = 2N + 412$$

$$(N \ge 487)$$

$$B_{\bar{N}}(2N+508) = B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+507)) + B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+506)) + B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+505))$$

$$= B_{\bar{N}}(2N+508-(2N+412)) + B_{\bar{N}}(2N+508-(N+518)) + B_{\bar{N}}(2N+508-(2N+72))$$

$$= B_{\bar{N}}(96) + B_{\bar{N}}(N-10) + B_{\bar{N}}(436) = 96 + (N-10) + 436 = N + 522$$

$$(N \ge 486)$$

$$B_{\bar{N}}(2N+509) = B_{\bar{N}}(2N+509 - B_{\bar{N}}(2N+508)) + B_{\bar{N}}(2N+509 - B_{\bar{N}}(2N+507)) + B_{\bar{N}}(2N+509 - B_{\bar{N}}(2N+506))$$

$$= B_{\bar{N}}(2N+509 - (N+522)) + B_{\bar{N}}(2N+509 - (2N+412)) + B_{\bar{N}}(2N+509 - (N+518))$$

$$= B_{\bar{N}}(N-13) + B_{\bar{N}}(97) + B_{\bar{N}}(N-9) = (N-13) + 97 + (N-9) = 2N + 75$$

$$(N \ge 462)$$

$$B_{\bar{N}}(2N+510) = B_{\bar{N}}(2N+510 - B_{\bar{N}}(2N+509)) + B_{\bar{N}}(2N+510 - B_{\bar{N}}(2N+508)) + B_{\bar{N}}(2N+510 - B_{\bar{N}}(2N+507))$$

$$= B_{\bar{N}}(2N+510 - (2N+75)) + B_{\bar{N}}(2N+510 - (N+522)) + B_{\bar{N}}(2N+510 - (2N+412))$$

$$= B_{\bar{N}}(435) + B_{\bar{N}}(N-12) + B_{\bar{N}}(98) = 435 + (N-12) + 98 = N + 521$$

$$(N > 463)$$

$$B_{\bar{N}}(2N+511) = B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+510)) + B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+509)) + B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+508))$$

$$= B_{\bar{N}}(2N+511-(N+521)) + B_{\bar{N}}(2N+511-(2N+75)) + B_{\bar{N}}(2N+511-(N+522))$$

$$= B_{\bar{N}}(N-10) + B_{\bar{N}}(436) + B_{\bar{N}}(N-11) = (N-10) + 436 + (N-11) = 2N + 415$$

$$(N \ge 436)$$

$$B_{\bar{N}}(2N+512) = B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+511)) + B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+510)) + B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+509))$$

$$= B_{\bar{N}}(2N+512-(2N+415)) + B_{\bar{N}}(2N+512-(N+521)) + B_{\bar{N}}(2N+512-(2N+75))$$

$$= B_{\bar{N}}(97) + B_{\bar{N}}(N-9) + B_{\bar{N}}(437) = 97 + (N-9) + 437 = N + 525$$

$$(N \ge 437)$$

$$B_{\bar{N}}(2N+513) = B_{\bar{N}}(2N+513 - B_{\bar{N}}(2N+512)) + B_{\bar{N}}(2N+513 - B_{\bar{N}}(2N+511)) + B_{\bar{N}}(2N+513 - B_{\bar{N}}(2N+510))$$

$$= B_{\bar{N}}(2N+513 - (N+525)) + B_{\bar{N}}(2N+513 - (2N+415)) + B_{\bar{N}}(2N+513 - (N+521))$$

$$= B_{\bar{N}}(N-12) + B_{\bar{N}}(98) + B_{\bar{N}}(N-8) = (N-12) + 98 + (N-8) = 2N + 78$$

$$(N \ge 187)$$

$$B_{\bar{N}}(2N+514) = B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+513)) + B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+512)) + B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+511))$$

$$= B_{\bar{N}}(2N+514-(2N+78)) + B_{\bar{N}}(2N+514-(N+525)) + B_{\bar{N}}(2N+514-(2N+415))$$

$$= B_{\bar{N}}(436) + B_{\bar{N}}(N-11) + B_{\bar{N}}(99) = 436 + (N-11) + 99 = N + 524$$

$$(N \ge 1423)$$

$$B_{\bar{N}}(2N+515) = B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+514)) + B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+513)) + B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+512))$$

$$= B_{\bar{N}}(2N+515-(N+524)) + B_{\bar{N}}(2N+515-(2N+78)) + B_{\bar{N}}(2N+515-(N+525))$$

$$= B_{\bar{N}}(N-9) + B_{\bar{N}}(437) + B_{\bar{N}}(N-10) = (N-9) + 437 + (N-10) = 2N + 418$$

$$(N > 3138)$$

$$B_{\bar{N}}(2N+516) = B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+515)) + B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+514)) + B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+513)) + B_{\bar{N}}(2N+516-(2N+418)) + B_{\bar{N}}(2N+516-(N+524)) + B_{\bar{N}}(2N+516-(2N+78)) + B_{\bar{N}}(98) + B_{\bar{N}}(N-8) + B_{\bar{N}}(438) = 98 + (N-8) + 438 = N + 528$$

$$(N \ge 3145)$$

$$B_{\bar{N}}(2N+517) = B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+516)) + B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+515)) + B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+514))$$

$$= B_{\bar{N}}(2N+517-(N+528)) + B_{\bar{N}}(2N+517-(2N+418)) + B_{\bar{N}}(2N+517-(N+524))$$

$$= B_{\bar{N}}(N-11) + B_{\bar{N}}(99) + B_{\bar{N}}(N-7) = (N-11) + 99 + (N-7) = 2N+81$$

$$(N \ge 3152)$$

$$B_{\bar{N}}(2N+518) = B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+517)) + B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+516)) + B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+515)) + B_{\bar{N}}(2N+518-(2N+81)) + B_{\bar{N}}(2N+518-(N+528)) + B_{\bar{N}}(2N+518-(2N+418)) + B_{\bar{N}}(437) + B_{\bar{N}}(N-10) + B_{\bar{N}}(100) = 437 + (N-10) + 100 = N + 527$$

$$(N \ge 437)$$

$$B_{\bar{N}}(2N+519) = B_{\bar{N}}(2N+519 - B_{\bar{N}}(2N+518)) + B_{\bar{N}}(2N+519 - B_{\bar{N}}(2N+517)) + B_{\bar{N}}(2N+519 - B_{\bar{N}}(2N+516))$$

$$= B_{\bar{N}}(2N+519 - (N+527)) + B_{\bar{N}}(2N+519 - (2N+81)) + B_{\bar{N}}(2N+519 - (N+528))$$

$$= B_{\bar{N}}(N-8) + B_{\bar{N}}(438) + B_{\bar{N}}(N-9) = (N-8) + 438 + (N-9) = 2N + 421$$

$$(N \ge 438)$$

$$B_{\bar{N}}(2N+520) = B_{\bar{N}}(2N+520 - B_{\bar{N}}(2N+519)) + B_{\bar{N}}(2N+520 - B_{\bar{N}}(2N+518)) + B_{\bar{N}}(2N+520 - B_{\bar{N}}(2N+517))$$

$$= B_{\bar{N}}(2N+520 - (2N+421)) + B_{\bar{N}}(2N+520 - (N+527)) + B_{\bar{N}}(2N+520 - (2N+81))$$

$$= B_{\bar{N}}(99) + B_{\bar{N}}(N-7) + B_{\bar{N}}(439) = 99 + (N-7) + 439 = N+531$$

$$(N > 439)$$

$$B_{\bar{N}}(2N+521) = B_{\bar{N}}(2N+521 - B_{\bar{N}}(2N+520)) + B_{\bar{N}}(2N+521 - B_{\bar{N}}(2N+519)) + B_{\bar{N}}(2N+521 - B_{\bar{N}}(2N+518))$$

$$= B_{\bar{N}}(2N+521 - (N+531)) + B_{\bar{N}}(2N+521 - (2N+421)) + B_{\bar{N}}(2N+521 - (N+527))$$

$$= B_{\bar{N}}(N-10) + B_{\bar{N}}(100) + B_{\bar{N}}(N-6) = (N-10) + 100 + (N-6) = 2N+84$$

$$(N \ge 217)$$

$$B_{\bar{N}}(2N+522) = B_{\bar{N}}(2N+522 - B_{\bar{N}}(2N+521)) + B_{\bar{N}}(2N+522 - B_{\bar{N}}(2N+520)) + B_{\bar{N}}(2N+522 - B_{\bar{N}}(2N+519))$$

$$= B_{\bar{N}}(2N+522 - (2N+84)) + B_{\bar{N}}(2N+522 - (N+531)) + B_{\bar{N}}(2N+522 - (2N+421))$$

$$= B_{\bar{N}}(438) + B_{\bar{N}}(N-9) + B_{\bar{N}}(101) = 438 + (N-9) + 101 = N + 530$$

$$(N \ge 438)$$

$$B_{\bar{N}}(2N+523) = B_{\bar{N}}(2N+523 - B_{\bar{N}}(2N+522)) + B_{\bar{N}}(2N+523 - B_{\bar{N}}(2N+521)) + B_{\bar{N}}(2N+523 - B_{\bar{N}}(2N+520))$$

$$= B_{\bar{N}}(2N+523 - (N+530)) + B_{\bar{N}}(2N+523 - (2N+84)) + B_{\bar{N}}(2N+523 - (N+531))$$

$$= B_{\bar{N}}(N-7) + B_{\bar{N}}(439) + B_{\bar{N}}(N-8) = (N-7) + 439 + (N-8) = 2N + 424$$

$$(N \ge 439)$$

$$B_{\bar{N}}(2N+524) = B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+523)) + B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+522)) + B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+521))$$

$$= B_{\bar{N}}(2N+524-(2N+424)) + B_{\bar{N}}(2N+524-(N+530)) + B_{\bar{N}}(2N+524-(2N+84))$$

$$= B_{\bar{N}}(100) + B_{\bar{N}}(N-6) + B_{\bar{N}}(440) = 100 + (N-6) + 440 = N + 534$$

$$(N \ge 3201)$$

$$B_{\bar{N}}(2N+525) = B_{\bar{N}}(2N+525 - B_{\bar{N}}(2N+524)) + B_{\bar{N}}(2N+525 - B_{\bar{N}}(2N+523)) + B_{\bar{N}}(2N+525 - B_{\bar{N}}(2N+522))$$

$$= B_{\bar{N}}(2N+525 - (N+534)) + B_{\bar{N}}(2N+525 - (2N+424)) + B_{\bar{N}}(2N+525 - (N+530))$$

$$= B_{\bar{N}}(N-9) + B_{\bar{N}}(101) + B_{\bar{N}}(N-5) = (N-9) + 101 + (N-5) = 2N + 87$$

$$(N \ge 596)$$

$$B_{\bar{N}}(2N+526) = B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+525)) + B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+524)) + B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+523))$$

$$= B_{\bar{N}}(2N+526-(2N+87)) + B_{\bar{N}}(2N+526-(N+534)) + B_{\bar{N}}(2N+526-(2N+424))$$

$$= B_{\bar{N}}(439) + B_{\bar{N}}(N-8) + B_{\bar{N}}(102) = 439 + (N-8) + 102 = N + 533$$

$$(N \ge 595)$$

$$B_{\bar{N}}(2N+527) = B_{\bar{N}}(2N+527 - B_{\bar{N}}(2N+526)) + B_{\bar{N}}(2N+527 - B_{\bar{N}}(2N+525)) + B_{\bar{N}}(2N+527 - B_{\bar{N}}(2N+524))$$

$$= B_{\bar{N}}(2N+527 - (N+533)) + B_{\bar{N}}(2N+527 - (2N+87)) + B_{\bar{N}}(2N+527 - (N+534))$$

$$= B_{\bar{N}}(N-6) + B_{\bar{N}}(440) + B_{\bar{N}}(N-7) = (N-6) + 440 + (N-7) = 2N + 427$$

$$(N \ge 440)$$

$$B_{\bar{N}}(2N+528) = B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+527)) + B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+526)) + B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+525))$$

$$= B_{\bar{N}}(2N+528-(2N+427)) + B_{\bar{N}}(2N+528-(N+533)) + B_{\bar{N}}(2N+528-(2N+87))$$

$$= B_{\bar{N}}(101) + B_{\bar{N}}(N-5) + B_{\bar{N}}(441) = 101 + (N-5) + 441 = N + 537$$

$$(N > 441)$$

$$B_{\bar{N}}(2N+529) = B_{\bar{N}}(2N+529 - B_{\bar{N}}(2N+528)) + B_{\bar{N}}(2N+529 - B_{\bar{N}}(2N+527)) + B_{\bar{N}}(2N+529 - B_{\bar{N}}(2N+526))$$

$$= B_{\bar{N}}(2N+529 - (N+537)) + B_{\bar{N}}(2N+529 - (2N+427)) + B_{\bar{N}}(2N+529 - (N+533))$$

$$= B_{\bar{N}}(N-8) + B_{\bar{N}}(102) + B_{\bar{N}}(N-4) = (N-8) + 102 + (N-4) = 2N + 90$$

$$(N \ge 185)$$

$$B_{\bar{N}}(2N+530) = B_{\bar{N}}(2N+530 - B_{\bar{N}}(2N+529)) + B_{\bar{N}}(2N+530 - B_{\bar{N}}(2N+528)) + B_{\bar{N}}(2N+530 - B_{\bar{N}}(2N+527))$$

$$= B_{\bar{N}}(2N+530 - (2N+90)) + B_{\bar{N}}(2N+530 - (N+537)) + B_{\bar{N}}(2N+530 - (2N+427))$$

$$= B_{\bar{N}}(440) + B_{\bar{N}}(N-7) + B_{\bar{N}}(103) = 440 + (N-7) + 103 = N + 536$$

$$(N > 440)$$

$$B_{\bar{N}}(2N+531) = B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+530)) + B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+529)) + B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+528))$$

$$= B_{\bar{N}}(2N+531-(N+536)) + B_{\bar{N}}(2N+531-(2N+90)) + B_{\bar{N}}(2N+531-(N+537))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(441) + B_{\bar{N}}(N-6) = (N-5) + 441 + (N-6) = 2N + 430$$

$$(N \ge 590)$$

$$B_{\bar{N}}(2N+532) = B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+531)) + B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+530)) + B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+529))$$

$$= B_{\bar{N}}(2N+532-(2N+430)) + B_{\bar{N}}(2N+532-(N+536)) + B_{\bar{N}}(2N+532-(2N+90))$$

$$= B_{\bar{N}}(102) + B_{\bar{N}}(N-4) + B_{\bar{N}}(442) = 102 + (N-4) + 442 = N + 540$$

$$(N \ge 4301) *$$

$$B_{\bar{N}}(2N+533) = B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+532)) + B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+531)) + B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+530))$$

$$= B_{\bar{N}}(2N+533-(N+540)) + B_{\bar{N}}(2N+533-(2N+430)) + B_{\bar{N}}(2N+533-(N+536))$$

$$= B_{\bar{N}}(N-7) + B_{\bar{N}}(103) + B_{\bar{N}}(N-3) = (N-7) + 103 + (N-3) = 2N + 93$$

$$(N \ge 4308) *$$

$$B_{\bar{N}}(2N+534) = B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+533)) + B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+532)) + B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+531))$$

$$= B_{\bar{N}}(2N+534-(2N+93)) + B_{\bar{N}}(2N+534-(N+540)) + B_{\bar{N}}(2N+534-(2N+430))$$

$$= B_{\bar{N}}(441) + B_{\bar{N}}(N-6) + B_{\bar{N}}(104) = 441 + (N-6) + 104 = N + 539$$

$$(N \ge 4315) *$$

$$B_{\bar{N}}(2N+535) = B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+534)) + B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+533)) + B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+532))$$

$$= B_{\bar{N}}(2N+535-(N+539)) + B_{\bar{N}}(2N+535-(2N+93)) + B_{\bar{N}}(2N+535-(N+540))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(442) + B_{\bar{N}}(N-5) = (N-4) + 442 + (N-5) = 2N + 433$$

$$(N > 442)$$

$$B_{\bar{N}}(2N+536) = B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+535)) + B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+534)) + B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+533)) + B_{\bar{N}}(2N+536-(2N+433)) + B_{\bar{N}}(2N+536-(N+539)) + B_{\bar{N}}(2N+536-(2N+93)) = B_{\bar{N}}(103) + B_{\bar{N}}(N-3) + B_{\bar{N}}(443) = 103 + (N-3) + 443 = N + 543$$

$$(N \ge 443)$$

$$B_{\bar{N}}(2N+537) = B_{\bar{N}}(2N+537 - B_{\bar{N}}(2N+536)) + B_{\bar{N}}(2N+537 - B_{\bar{N}}(2N+535)) + B_{\bar{N}}(2N+537 - B_{\bar{N}}(2N+534))$$

$$= B_{\bar{N}}(2N+537 - (N+543)) + B_{\bar{N}}(2N+537 - (2N+433)) + B_{\bar{N}}(2N+537 - (N+539))$$

$$= B_{\bar{N}}(N-6) + B_{\bar{N}}(104) + B_{\bar{N}}(N-2) = (N-6) + 104 + (N-2) = 2N + 96$$

$$(N \ge 333)$$

$$B_{\bar{N}}(2N+538) = B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+537)) + B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+536)) + B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+535))$$

$$= B_{\bar{N}}(2N+538-(2N+96)) + B_{\bar{N}}(2N+538-(N+543)) + B_{\bar{N}}(2N+538-(2N+433))$$

$$= B_{\bar{N}}(442) + B_{\bar{N}}(N-5) + B_{\bar{N}}(105) = 442 + (N-5) + 105 = N + 542$$

$$(N > 442)$$

$$B_{\bar{N}}(2N+539) = B_{\bar{N}}(2N+539 - B_{\bar{N}}(2N+538)) + B_{\bar{N}}(2N+539 - B_{\bar{N}}(2N+537)) + B_{\bar{N}}(2N+539 - B_{\bar{N}}(2N+536))$$

$$= B_{\bar{N}}(2N+539 - (N+542)) + B_{\bar{N}}(2N+539 - (2N+96)) + B_{\bar{N}}(2N+539 - (N+543))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(443) + B_{\bar{N}}(N-4) = (N-3) + 443 + (N-4) = 2N + 436$$

$$(N \ge 443)$$

$$B_{\bar{N}}(2N+540) = B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+539)) + B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+538)) + B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+537))$$

$$= B_{\bar{N}}(2N+540-(2N+436)) + B_{\bar{N}}(2N+540-(N+542)) + B_{\bar{N}}(2N+540-(2N+96))$$

$$= B_{\bar{N}}(104) + B_{\bar{N}}(N-2) + B_{\bar{N}}(444) = 104 + (N-2) + 444 = N + 546$$

$$(N > 444)$$

$$B_{\bar{N}}(2N+541) = B_{\bar{N}}(2N+541 - B_{\bar{N}}(2N+540)) + B_{\bar{N}}(2N+541 - B_{\bar{N}}(2N+539)) + B_{\bar{N}}(2N+541 - B_{\bar{N}}(2N+538))$$

$$= B_{\bar{N}}(2N+541 - (N+546)) + B_{\bar{N}}(2N+541 - (2N+436)) + B_{\bar{N}}(2N+541 - (N+542))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(105) + B_{\bar{N}}(N-1) = (N-5) + 105 + (N-1) = 2N + 99$$

$$(N \ge 402)$$

$$B_{\bar{N}}(2N+542) = B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+541)) + B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+540)) + B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+539))$$

$$= B_{\bar{N}}(2N+542-(2N+99)) + B_{\bar{N}}(2N+542-(N+546)) + B_{\bar{N}}(2N+542-(2N+436))$$

$$= B_{\bar{N}}(443) + B_{\bar{N}}(N-4) + B_{\bar{N}}(106) = 443 + (N-4) + 106 = N + 545$$

$$(N \ge 443)$$

$$B_{\bar{N}}(2N+543) = B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+542)) + B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+541)) + B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+540)) + B_{\bar{N}}(2N+543-(N+545)) + B_{\bar{N}}(2N+543-(N+545)) + B_{\bar{N}}(2N+543-(N+546)) + B_{\bar{N}}(2N+543-(N+546)) + B_{\bar{N}}(N-2) + B_{\bar{N}}(444) + B_{\bar{N}}(N-3) = (N-2) + 444 + (N-3) = 2N+439$$

$$(N \ge 444)$$

$$B_{\bar{N}}(2N+544) = B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+543)) + B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+542)) + B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+541))$$

$$= B_{\bar{N}}(2N+544-(2N+439)) + B_{\bar{N}}(2N+544-(N+545)) + B_{\bar{N}}(2N+544-(2N+99))$$

$$= B_{\bar{N}}(105) + B_{\bar{N}}(N-1) + B_{\bar{N}}(445) = 105 + (N-1) + 445 = N + 549$$

$$(N \ge 456)$$

$$B_{\bar{N}}(2N+545) = B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+544)) + B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+543)) + B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+542))$$

$$= B_{\bar{N}}(2N+545-(N+549)) + B_{\bar{N}}(2N+545-(2N+439)) + B_{\bar{N}}(2N+545-(N+545))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(106) + B_{\bar{N}}(N) = (N-4) + 106 + N = 2N + 102$$

$$(N > 530)$$

$$B_{\bar{N}}(2N+546) = B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+545)) + B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+544)) + B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+543))$$

$$= B_{\bar{N}}(2N+546-(2N+102)) + B_{\bar{N}}(2N+546-(N+549)) + B_{\bar{N}}(2N+546-(2N+439))$$

$$= B_{\bar{N}}(444) + B_{\bar{N}}(N-3) + B_{\bar{N}}(107) = 444 + (N-3) + 107 = N + 548$$

$$(N \ge 531)$$

$$B_{\bar{N}}(2N+547) = B_{\bar{N}}(2N+547 - B_{\bar{N}}(2N+546)) + B_{\bar{N}}(2N+547 - B_{\bar{N}}(2N+545)) + B_{\bar{N}}(2N+547 - B_{\bar{N}}(2N+544))$$

$$= B_{\bar{N}}(2N+547 - (N+548)) + B_{\bar{N}}(2N+547 - (2N+102)) + B_{\bar{N}}(2N+547 - (N+549))$$

$$= B_{\bar{N}}(N-1) + B_{\bar{N}}(445) + B_{\bar{N}}(N-2) = (N-1) + 445 + (N-2) = 2N + 442$$

$$(N \ge 532)$$

$$B_{\bar{N}}(2N+548) = B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+547)) + B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+546)) + B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+545))$$

$$= B_{\bar{N}}(2N+548-(2N+442)) + B_{\bar{N}}(2N+548-(N+548)) + B_{\bar{N}}(2N+548-(2N+102))$$

$$= B_{\bar{N}}(106) + B_{\bar{N}}(N) + B_{\bar{N}}(446) = 106 + N + 446 = N + 552$$

$$(N \ge 446)$$

$$B_{\bar{N}}(2N+549) = B_{\bar{N}}(2N+549 - B_{\bar{N}}(2N+548)) + B_{\bar{N}}(2N+549 - B_{\bar{N}}(2N+547)) + B_{\bar{N}}(2N+549 - B_{\bar{N}}(2N+546))$$

$$= B_{\bar{N}}(2N+549 - (N+552)) + B_{\bar{N}}(2N+549 - (2N+442)) + B_{\bar{N}}(2N+549 - (N+548))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(107) + B_{\bar{N}}(N+1) = (N-3) + 107 + 6 = N + 110$$

$$(N \ge 107)$$

$$B_{\bar{N}}(2N+550) = B_{\bar{N}}(2N+550 - B_{\bar{N}}(2N+549)) + B_{\bar{N}}(2N+550 - B_{\bar{N}}(2N+548)) + B_{\bar{N}}(2N+550 - B_{\bar{N}}(2N+547))$$

$$= B_{\bar{N}}(2N+550 - (N+110)) + B_{\bar{N}}(2N+550 - (N+552)) + B_{\bar{N}}(2N+550 - (2N+442))$$

$$= B_{\bar{N}}(N+440) + B_{\bar{N}}(N-2) + B_{\bar{N}}(108) = (N-2) + (N-2) + 108 = 2N + 104$$

$$(N > 108)$$

$$B_{\bar{N}}(2N+551) = B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+550)) + B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+549)) + B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+548))$$

$$= B_{\bar{N}}(2N+551-(2N+104)) + B_{\bar{N}}(2N+551-(N+110)) + B_{\bar{N}}(2N+551-(N+552))$$

$$= B_{\bar{N}}(447) + B_{\bar{N}}(N+441) + B_{\bar{N}}(N-1) = 447 + 443 + (N-1) = N + 889$$

$$(N \ge 447)$$

$$B_{\bar{N}}(2N+552) = B_{\bar{N}}(2N+552 - B_{\bar{N}}(2N+551)) + B_{\bar{N}}(2N+552 - B_{\bar{N}}(2N+550)) + B_{\bar{N}}(2N+552 - B_{\bar{N}}(2N+549))$$

$$= B_{\bar{N}}(2N+552 - (N+889)) + B_{\bar{N}}(2N+552 - (2N+104)) + B_{\bar{N}}(2N+552 - (N+110))$$

$$= B_{\bar{N}}(N-337) + B_{\bar{N}}(448) + B_{\bar{N}}(N+442) = (N-337) + 448 + (N+443) = 2N+554$$

$$(N \ge 448)$$

$$B_{\bar{N}}(2N+553) = B_{\bar{N}}(2N+553 - B_{\bar{N}}(2N+552)) + B_{\bar{N}}(2N+553 - B_{\bar{N}}(2N+551)) + B_{\bar{N}}(2N+553 - B_{\bar{N}}(2N+550))$$

$$= B_{\bar{N}}(2N+553 - (2N+554)) + B_{\bar{N}}(2N+553 - (N+889)) + B_{\bar{N}}(2N+553 - (2N+104))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-336) + B_{\bar{N}}(449) = 0 + (N-336) + 449 = N + 113$$

$$(N \ge 449)$$

$$B_{\bar{N}}(2N+554) = B_{\bar{N}}(2N+554 - B_{\bar{N}}(2N+553)) + B_{\bar{N}}(2N+554 - B_{\bar{N}}(2N+552)) + B_{\bar{N}}(2N+554 - B_{\bar{N}}(2N+551))$$

$$= B_{\bar{N}}(2N+554 - (N+113)) + B_{\bar{N}}(2N+554 - (2N+554)) + B_{\bar{N}}(2N+554 - (N+889))$$

$$= B_{\bar{N}}(N+441) + B_{\bar{N}}(0) + B_{\bar{N}}(N-335) = 443 + 0 + (N-335) = N + 108$$

$$(N \ge 336)$$

$$B_{\bar{N}}(2N+555) = B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+554)) + B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+553)) + B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+552))$$

$$= B_{\bar{N}}(2N+555-(N+108)) + B_{\bar{N}}(2N+555-(N+113)) + B_{\bar{N}}(2N+555-(2N+554))$$

$$= B_{\bar{N}}(N+447) + B_{\bar{N}}(N+442) + B_{\bar{N}}(1) = (N-2) + (N+443) + 1 = 2N+442$$

$$(N \ge 18)$$

$$B_{\bar{N}}(2N+556) = B_{\bar{N}}(2N+556 - B_{\bar{N}}(2N+555)) + B_{\bar{N}}(2N+556 - B_{\bar{N}}(2N+554)) + B_{\bar{N}}(2N+556 - B_{\bar{N}}(2N+553))$$

$$= B_{\bar{N}}(2N+556 - (2N+442)) + B_{\bar{N}}(2N+556 - (N+108)) + B_{\bar{N}}(2N+556 - (N+113))$$

$$= B_{\bar{N}}(114) + B_{\bar{N}}(N+448) + B_{\bar{N}}(N+443) = 114 + 450 + (N+445) = N + 1009$$

$$(N \ge 114)$$

$$B_{\bar{N}}(2N+557) = B_{\bar{N}}(2N+557 - B_{\bar{N}}(2N+556)) + B_{\bar{N}}(2N+557 - B_{\bar{N}}(2N+555)) + B_{\bar{N}}(2N+557 - B_{\bar{N}}(2N+554))$$

$$= B_{\bar{N}}(2N+557 - (N+1009)) + B_{\bar{N}}(2N+557 - (2N+442)) + B_{\bar{N}}(2N+557 - (N+108))$$

$$= B_{\bar{N}}(N-452) + B_{\bar{N}}(115) + B_{\bar{N}}(N+449) = (N-452) + 115 + (N+450) = 2N+113$$

$$(N \ge 453)$$

$$B_{\bar{N}}(2N+558) = B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+557)) + B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+556)) + B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+555))$$

$$= B_{\bar{N}}(2N+558-(2N+113)) + B_{\bar{N}}(2N+558-(N+1009)) + B_{\bar{N}}(2N+558-(2N+442))$$

$$= B_{\bar{N}}(445) + B_{\bar{N}}(N-451) + B_{\bar{N}}(116) = 445 + (N-451) + 116 = N + 110$$

$$(N \ge 452)$$

$$B_{\bar{N}}(2N+559) = B_{\bar{N}}(2N+559 - B_{\bar{N}}(2N+558)) + B_{\bar{N}}(2N+559 - B_{\bar{N}}(2N+557)) + B_{\bar{N}}(2N+559 - B_{\bar{N}}(2N+556))$$

$$= B_{\bar{N}}(2N+559 - (N+110)) + B_{\bar{N}}(2N+559 - (2N+113)) + B_{\bar{N}}(2N+559 - (N+1009))$$

$$= B_{\bar{N}}(N+449) + B_{\bar{N}}(446) + B_{\bar{N}}(N-450) = (N+450) + 446 + (N-450) = 2N+446$$

$$(N \ge 3678)$$

$$B_{\bar{N}}(2N+560) = B_{\bar{N}}(2N+560 - B_{\bar{N}}(2N+559)) + B_{\bar{N}}(2N+560 - B_{\bar{N}}(2N+558)) + B_{\bar{N}}(2N+560 - B_{\bar{N}}(2N+557))$$

$$= B_{\bar{N}}(2N+560 - (2N+446)) + B_{\bar{N}}(2N+560 - (N+110)) + B_{\bar{N}}(2N+560 - (2N+113))$$

$$= B_{\bar{N}}(114) + B_{\bar{N}}(N+450) + B_{\bar{N}}(447) = 114 + (N+452) + 447 = N + 1013$$

$$(N \ge 3685)$$

$$B_{\bar{N}}(2N+561) = B_{\bar{N}}(2N+561 - B_{\bar{N}}(2N+560)) + B_{\bar{N}}(2N+561 - B_{\bar{N}}(2N+559)) + B_{\bar{N}}(2N+561 - B_{\bar{N}}(2N+558))$$

$$= B_{\bar{N}}(2N+561 - (N+1013)) + B_{\bar{N}}(2N+561 - (2N+446)) + B_{\bar{N}}(2N+561 - (N+110))$$

$$= B_{\bar{N}}(N-452) + B_{\bar{N}}(115) + B_{\bar{N}}(N+451) = (N-452) + 115 + 7 = N - 330$$

$$(N > 453)$$

$$B_{\bar{N}}(2N+562) = B_{\bar{N}}(2N+562 - B_{\bar{N}}(2N+561)) + B_{\bar{N}}(2N+562 - B_{\bar{N}}(2N+560)) + B_{\bar{N}}(2N+562 - B_{\bar{N}}(2N+559))$$

$$= B_{\bar{N}}(2N+562 - (N-330)) + B_{\bar{N}}(2N+562 - (N+1013)) + B_{\bar{N}}(2N+562 - (2N+446))$$

$$= B_{\bar{N}}(N+892) + B_{\bar{N}}(N-451) + B_{\bar{N}}(116) = 7 + (N-451) + 116 = N - 328$$

$$(N \ge 452)$$

$$B_{\bar{N}}(2N+563) = B_{\bar{N}}(2N+563-B_{\bar{N}}(2N+562)) + B_{\bar{N}}(2N+563-B_{\bar{N}}(2N+561)) + B_{\bar{N}}(2N+563-B_{\bar{N}}(2N+560)) = B_{\bar{N}}(2N+563-(N-328)) + B_{\bar{N}}(2N+563-(N-330)) + B_{\bar{N}}(2N+563-(N+1013)) = B_{\bar{N}}(N+891) + B_{\bar{N}}(N+893) + B_{\bar{N}}(N-450) = (N+893) + (2N+299) + (N-450) = 4N+742 (N \ge 451)$$

$$B_{\bar{N}}(2N+564) = B_{\bar{N}}(2N+564-B_{\bar{N}}(2N+563)) + B_{\bar{N}}(2N+564-B_{\bar{N}}(2N+562)) + B_{\bar{N}}(2N+564-B_{\bar{N}}(2N+561))$$

$$= B_{\bar{N}}(2N+564-(4N+742)) + B_{\bar{N}}(2N+564-(N-328)) + B_{\bar{N}}(2N+564-(N-330))$$

$$= B_{\bar{N}}(-2N-178) + B_{\bar{N}}(N+892) + B_{\bar{N}}(N+894) = 0 + 7 + (2N+120) = 2N+127$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+565) = B_{\bar{N}}(2N+565-B_{\bar{N}}(2N+564)) + B_{\bar{N}}(2N+565-B_{\bar{N}}(2N+563)) + B_{\bar{N}}(2N+565-B_{\bar{N}}(2N+562))$$

$$= B_{\bar{N}}(2N+565-(2N+127)) + B_{\bar{N}}(2N+565-(4N+742)) + B_{\bar{N}}(2N+565-(N-328))$$

$$= B_{\bar{N}}(438) + B_{\bar{N}}(-2N-177) + B_{\bar{N}}(N+893) = 438 + 0 + (2N+299) = 2N+737$$

$$(N \ge 438)$$

$$B_{\bar{N}}(2N+566) = B_{\bar{N}}(2N+566-B_{\bar{N}}(2N+565)) + B_{\bar{N}}(2N+566-B_{\bar{N}}(2N+564)) + B_{\bar{N}}(2N+566-B_{\bar{N}}(2N+563))$$

$$= B_{\bar{N}}(2N+566-(2N+737)) + B_{\bar{N}}(2N+566-(2N+127)) + B_{\bar{N}}(2N+566-(4N+742))$$

$$= B_{\bar{N}}(-171) + B_{\bar{N}}(439) + B_{\bar{N}}(-2N-176) = 0 + 439 + 0 = 439$$

$$(N \ge 439)$$

$$B_{\bar{N}}(2N+567) = B_{\bar{N}}(2N+567 - B_{\bar{N}}(2N+566)) + B_{\bar{N}}(2N+567 - B_{\bar{N}}(2N+565)) + B_{\bar{N}}(2N+567 - B_{\bar{N}}(2N+564))$$

$$= B_{\bar{N}}(2N+567-439) + B_{\bar{N}}(2N+567 - (2N+737)) + B_{\bar{N}}(2N+567 - (2N+127))$$

$$= B_{\bar{N}}(2N+128) + B_{\bar{N}}(-170) + B_{\bar{N}}(440) = (N+237) + 0 + 440 = N + 677$$

$$(N \ge 440)$$

$$B_{\bar{N}}(2N+568) = B_{\bar{N}}(2N+568-B_{\bar{N}}(2N+567)) + B_{\bar{N}}(2N+568-B_{\bar{N}}(2N+566)) + B_{\bar{N}}(2N+568-B_{\bar{N}}(2N+565))$$

$$= B_{\bar{N}}(2N+568-(N+677)) + B_{\bar{N}}(2N+568-439) + B_{\bar{N}}(2N+568-(2N+737))$$

$$= B_{\bar{N}}(N-109) + B_{\bar{N}}(2N+129) + B_{\bar{N}}(-169) = (N-109) + (2N-210) + 0 = 3N-319$$

$$(N \ge 110)$$

$$B_{\bar{N}}(2N+569) = B_{\bar{N}}(2N+569 - B_{\bar{N}}(2N+568)) + B_{\bar{N}}(2N+569 - B_{\bar{N}}(2N+567)) + B_{\bar{N}}(2N+569 - B_{\bar{N}}(2N+566))$$

$$= B_{\bar{N}}(2N+569 - (3N-319)) + B_{\bar{N}}(2N+569 - (N+677)) + B_{\bar{N}}(2N+569 - 439)$$

$$= B_{\bar{N}}(-N+888) + B_{\bar{N}}(N-108) + B_{\bar{N}}(2N+130) = 0 + (N-108) + (N+236) = 2N+128$$

$$(N \ge 888)$$

$$B_{\bar{N}}(2N+570) = B_{\bar{N}}(2N+570 - B_{\bar{N}}(2N+569)) + B_{\bar{N}}(2N+570 - B_{\bar{N}}(2N+568)) + B_{\bar{N}}(2N+570 - B_{\bar{N}}(2N+567))$$

$$= B_{\bar{N}}(2N+570 - (2N+128)) + B_{\bar{N}}(2N+570 - (3N-319)) + B_{\bar{N}}(2N+570 - (N+677))$$

$$= B_{\bar{N}}(442) + B_{\bar{N}}(-N+889) + B_{\bar{N}}(N-107) = 442 + 0 + (N-107) = N+335$$

$$(N > 889)$$

$$B_{\bar{N}}(2N+571) = B_{\bar{N}}(2N+571 - B_{\bar{N}}(2N+570)) + B_{\bar{N}}(2N+571 - B_{\bar{N}}(2N+569)) + B_{\bar{N}}(2N+571 - B_{\bar{N}}(2N+568))$$

$$= B_{\bar{N}}(2N+571 - (N+335)) + B_{\bar{N}}(2N+571 - (2N+128)) + B_{\bar{N}}(2N+571 - (3N-319))$$

$$= B_{\bar{N}}(N+236) + B_{\bar{N}}(443) + B_{\bar{N}}(-N+890) = (2N+26) + 443 + 0 = 2N + 469$$

$$(N \ge 890)$$

$$B_{\bar{N}}(2N+572) = B_{\bar{N}}(2N+572 - B_{\bar{N}}(2N+571)) + B_{\bar{N}}(2N+572 - B_{\bar{N}}(2N+570)) + B_{\bar{N}}(2N+572 - B_{\bar{N}}(2N+569))$$

$$= B_{\bar{N}}(2N+572 - (2N+469)) + B_{\bar{N}}(2N+572 - (N+335)) + B_{\bar{N}}(2N+572 - (2N+128))$$

$$= B_{\bar{N}}(103) + B_{\bar{N}}(N+237) + B_{\bar{N}}(444) = 103 + (N-2) + 444 = N + 545$$

$$(N \ge 444)$$

$$B_{\bar{N}}(2N+573) = B_{\bar{N}}(2N+573 - B_{\bar{N}}(2N+572)) + B_{\bar{N}}(2N+573 - B_{\bar{N}}(2N+571)) + B_{\bar{N}}(2N+573 - B_{\bar{N}}(2N+570))$$

$$= B_{\bar{N}}(2N+573 - (N+545)) + B_{\bar{N}}(2N+573 - (2N+469)) + B_{\bar{N}}(2N+573 - (N+335))$$

$$= B_{\bar{N}}(N+28) + B_{\bar{N}}(104) + B_{\bar{N}}(N+238) = (2N+20) + 104 + 240 = 2N + 364$$

$$(N \ge 104)$$

$$B_{\bar{N}}(2N+574) = B_{\bar{N}}(2N+574-B_{\bar{N}}(2N+573)) + B_{\bar{N}}(2N+574-B_{\bar{N}}(2N+572)) + B_{\bar{N}}(2N+574-B_{\bar{N}}(2N+571))$$

$$= B_{\bar{N}}(2N+574-(2N+364)) + B_{\bar{N}}(2N+574-(N+545)) + B_{\bar{N}}(2N+574-(2N+469))$$

$$= B_{\bar{N}}(210) + B_{\bar{N}}(N+29) + B_{\bar{N}}(105) = 210 + (2N+23) + 105 = 2N + 338$$

$$(N \ge 210)$$

$$B_{\bar{N}}(2N+575) = B_{\bar{N}}(2N+575 - B_{\bar{N}}(2N+574)) + B_{\bar{N}}(2N+575 - B_{\bar{N}}(2N+573)) + B_{\bar{N}}(2N+575 - B_{\bar{N}}(2N+572))$$

$$= B_{\bar{N}}(2N+575 - (2N+338)) + B_{\bar{N}}(2N+575 - (2N+364)) + B_{\bar{N}}(2N+575 - (N+545))$$

$$= B_{\bar{N}}(237) + B_{\bar{N}}(211) + B_{\bar{N}}(N+30) = 237 + 211 + (N+9) = N+457$$

$$(N > 237)$$

$$B_{\bar{N}}(2N+576) = B_{\bar{N}}(2N+576 - B_{\bar{N}}(2N+575)) + B_{\bar{N}}(2N+576 - B_{\bar{N}}(2N+574)) + B_{\bar{N}}(2N+576 - B_{\bar{N}}(2N+573))$$

$$= B_{\bar{N}}(2N+576 - (N+457)) + B_{\bar{N}}(2N+576 - (2N+338)) + B_{\bar{N}}(2N+576 - (2N+364))$$

$$= B_{\bar{N}}(N+119) + B_{\bar{N}}(238) + B_{\bar{N}}(212) = 121 + 238 + 212 = 571$$

$$(N \ge 238)$$

$$B_{\bar{N}}(2N+577) = B_{\bar{N}}(2N+577 - B_{\bar{N}}(2N+576)) + B_{\bar{N}}(2N+577 - B_{\bar{N}}(2N+575)) + B_{\bar{N}}(2N+577 - B_{\bar{N}}(2N+574))$$

$$= B_{\bar{N}}(2N+577-571) + B_{\bar{N}}(2N+577 - (N+457)) + B_{\bar{N}}(2N+577 - (2N+338))$$

$$= B_{\bar{N}}(2N+6) + B_{\bar{N}}(N+120) + B_{\bar{N}}(239) = (N+7) + (N+121) + 239 = 2N+367$$

$$(N \ge 239)$$

$$B_{\bar{N}}(2N+578) = B_{\bar{N}}(2N+578-B_{\bar{N}}(2N+577)) + B_{\bar{N}}(2N+578-B_{\bar{N}}(2N+576)) + B_{\bar{N}}(2N+578-B_{\bar{N}}(2N+575)) + B_{\bar{N}}(2N+578-(2N+367)) + B_{\bar{N}}(2N+578-571) + B_{\bar{N}}(2N+578-(N+457)) = B_{\bar{N}}(211) + B_{\bar{N}}(2N+7) + B_{\bar{N}}(N+121) = 211 + (N+12) + (N+123) = 2N+346$$

$$(N \ge 211)$$

$$B_{\bar{N}}(2N+579) = B_{\bar{N}}(2N+579 - B_{\bar{N}}(2N+578)) + B_{\bar{N}}(2N+579 - B_{\bar{N}}(2N+577)) + B_{\bar{N}}(2N+579 - B_{\bar{N}}(2N+576))$$

$$= B_{\bar{N}}(2N+579 - (2N+346)) + B_{\bar{N}}(2N+579 - (2N+367)) + B_{\bar{N}}(2N+579 - 571)$$

$$= B_{\bar{N}}(233) + B_{\bar{N}}(212) + B_{\bar{N}}(2N+8) = 233 + 212 + (N+13) = N+458$$

$$(N > 233)$$

$$B_{\bar{N}}(2N+580) = B_{\bar{N}}(2N+580 - B_{\bar{N}}(2N+579)) + B_{\bar{N}}(2N+580 - B_{\bar{N}}(2N+578)) + B_{\bar{N}}(2N+580 - B_{\bar{N}}(2N+577))$$

$$= B_{\bar{N}}(2N+580 - (N+458)) + B_{\bar{N}}(2N+580 - (2N+346)) + B_{\bar{N}}(2N+580 - (2N+367))$$

$$= B_{\bar{N}}(N+122) + B_{\bar{N}}(234) + B_{\bar{N}}(213) = 7 + 234 + 213 = 454$$

$$(N > 234)$$

$$B_{\bar{N}}(2N+581) = B_{\bar{N}}(2N+581 - B_{\bar{N}}(2N+580)) + B_{\bar{N}}(2N+581 - B_{\bar{N}}(2N+579)) + B_{\bar{N}}(2N+581 - B_{\bar{N}}(2N+578))$$

$$= B_{\bar{N}}(2N+581 - 454) + B_{\bar{N}}(2N+581 - (N+458)) + B_{\bar{N}}(2N+581 - (2N+346))$$

$$= B_{\bar{N}}(2N+127) + B_{\bar{N}}(N+123) + B_{\bar{N}}(235) = (2N+127) + (2N+79) + 235 = 4N+441$$

$$(N \ge 235)$$

$$B_{\bar{N}}(2N+582) = B_{\bar{N}}(2N+582 - B_{\bar{N}}(2N+581)) + B_{\bar{N}}(2N+582 - B_{\bar{N}}(2N+580)) + B_{\bar{N}}(2N+582 - B_{\bar{N}}(2N+579))$$

$$= B_{\bar{N}}(2N+582 - (4N+441)) + B_{\bar{N}}(2N+582 - 454) + B_{\bar{N}}(2N+582 - (N+458))$$

$$= B_{\bar{N}}(-2N+141) + B_{\bar{N}}(2N+128) + B_{\bar{N}}(N+124) = 0 + (N+237) + (2N+10) = 3N+247$$

$$(N \ge 71)$$

$$B_{\bar{N}}(2N+583) = B_{\bar{N}}(2N+583 - B_{\bar{N}}(2N+582)) + B_{\bar{N}}(2N+583 - B_{\bar{N}}(2N+581)) + B_{\bar{N}}(2N+583 - B_{\bar{N}}(2N+580))$$

$$= B_{\bar{N}}(2N+583 - (3N+247)) + B_{\bar{N}}(2N+583 - (4N+441)) + B_{\bar{N}}(2N+583 - 454)$$

$$= B_{\bar{N}}(-N+336) + B_{\bar{N}}(-2N+142) + B_{\bar{N}}(2N+129) = 0 + 0 + (2N-210) = 2N-210$$

$$(N \ge 336)$$

$$B_{\bar{N}}(2N+584) = B_{\bar{N}}(2N+584-B_{\bar{N}}(2N+583)) + B_{\bar{N}}(2N+584-B_{\bar{N}}(2N+582)) + B_{\bar{N}}(2N+584-B_{\bar{N}}(2N+581))$$

$$= B_{\bar{N}}(2N+584-(2N-210)) + B_{\bar{N}}(2N+584-(3N+247)) + B_{\bar{N}}(2N+584-(4N+441))$$

$$= B_{\bar{N}}(794) + B_{\bar{N}}(-N+337) + B_{\bar{N}}(-2N+143) = 794+0+0 = 794$$

$$(N \ge 794)$$

$$B_{\bar{N}}(2N+585) = B_{\bar{N}}(2N+585 - B_{\bar{N}}(2N+584)) + B_{\bar{N}}(2N+585 - B_{\bar{N}}(2N+583)) + B_{\bar{N}}(2N+585 - B_{\bar{N}}(2N+582))$$

$$= B_{\bar{N}}(2N+585-794) + B_{\bar{N}}(2N+585 - (2N-210)) + B_{\bar{N}}(2N+585 - (3N+247))$$

$$= B_{\bar{N}}(2N-209) + B_{\bar{N}}(795) + B_{\bar{N}}(-N+338) = (N-2) + 795 + 0 = N+793$$

$$(N > 795)$$

$$B_{\bar{N}}(2N+586) = B_{\bar{N}}(2N+586 - B_{\bar{N}}(2N+585)) + B_{\bar{N}}(2N+586 - B_{\bar{N}}(2N+584)) + B_{\bar{N}}(2N+586 - B_{\bar{N}}(2N+583))$$

$$= B_{\bar{N}}(2N+586 - (N+793)) + B_{\bar{N}}(2N+586 - 794) + B_{\bar{N}}(2N+586 - (2N-210))$$

$$= B_{\bar{N}}(N-207) + B_{\bar{N}}(2N-208) + B_{\bar{N}}(796) = (N-207) + (N-206) + 796 = 2N+383$$

$$(N \ge 796)$$

$$B_{\bar{N}}(2N+587) = B_{\bar{N}}(2N+587 - B_{\bar{N}}(2N+586)) + B_{\bar{N}}(2N+587 - B_{\bar{N}}(2N+585)) + B_{\bar{N}}(2N+587 - B_{\bar{N}}(2N+584))$$

$$= B_{\bar{N}}(2N+587 - (2N+383)) + B_{\bar{N}}(2N+587 - (N+793)) + B_{\bar{N}}(2N+587 - 794)$$

$$= B_{\bar{N}}(204) + B_{\bar{N}}(N-206) + B_{\bar{N}}(2N-207) = 204 + (N-206) + (2N-206) = 3N-208$$

$$(N \ge 274)$$

$$B_{\bar{N}}(2N+588) = B_{\bar{N}}(2N+588-B_{\bar{N}}(2N+587)) + B_{\bar{N}}(2N+588-B_{\bar{N}}(2N+586)) + B_{\bar{N}}(2N+588-B_{\bar{N}}(2N+585))$$

$$= B_{\bar{N}}(2N+588-(3N-208)) + B_{\bar{N}}(2N+588-(2N+383)) + B_{\bar{N}}(2N+588-(N+793))$$

$$= B_{\bar{N}}(-N+796) + B_{\bar{N}}(205) + B_{\bar{N}}(N-205) = 0 + 205 + (N-205) = N$$

$$(N \ge 796)$$

$$B_{\bar{N}}(2N+589) = B_{\bar{N}}(2N+589 - B_{\bar{N}}(2N+588)) + B_{\bar{N}}(2N+589 - B_{\bar{N}}(2N+587)) + B_{\bar{N}}(2N+589 - B_{\bar{N}}(2N+586))$$

$$= B_{\bar{N}}(2N+589 - N) + B_{\bar{N}}(2N+589 - (3N-208)) + B_{\bar{N}}(2N+589 - (2N+383))$$

$$= B_{\bar{N}}(N+589) + B_{\bar{N}}(-N+797) + B_{\bar{N}}(206) = (N+590) + 0 + 206 = N+796$$

$$(N \ge 797)$$

$$B_{\bar{N}}(2N+590) = B_{\bar{N}}(2N+590 - B_{\bar{N}}(2N+589)) + B_{\bar{N}}(2N+590 - B_{\bar{N}}(2N+588)) + B_{\bar{N}}(2N+590 - B_{\bar{N}}(2N+587))$$

$$= B_{\bar{N}}(2N+590 - (N+796)) + B_{\bar{N}}(2N+590 - N) + B_{\bar{N}}(2N+590 - (3N-208))$$

$$= B_{\bar{N}}(N-206) + B_{\bar{N}}(N+590) + B_{\bar{N}}(-N+798) = (N-206) + (N+592) + 0 = 2N+386$$

$$(N \ge 798)$$

$$B_{\bar{N}}(2N+591) = B_{\bar{N}}(2N+591 - B_{\bar{N}}(2N+590)) + B_{\bar{N}}(2N+591 - B_{\bar{N}}(2N+591) + B_{\bar{N}}(2N+591 - B_{\bar{N}}(2N+591) + B_{\bar{N}}(2N+591 - B_{\bar{N}}(2N+591)) + B_{\bar{N}}(2N+591 - B_{\bar{N}}(2N+591) + B_{\bar{N}}(2N+59$$

$$B_{\bar{N}}(2N+592) = B_{\bar{N}}(2N+592-B_{\bar{N}}(2N+591)) + B_{\bar{N}}(2N+592-B_{\bar{N}}(2N+590)) + B_{\bar{N}}(2N+592-B_{\bar{N}}(2N+589))$$

$$= B_{\bar{N}}(2N+592-(N+7)) + B_{\bar{N}}(2N+592-(2N+386)) + B_{\bar{N}}(2N+592-(N+796))$$

$$= B_{\bar{N}}(N+585) + B_{\bar{N}}(206) + B_{\bar{N}}(N-204) = (2N+211) + 206 + (N-204) = 3N+213$$

$$(N \ge 206)$$

$$B_{\bar{N}}(2N+593) = B_{\bar{N}}(2N+593 - B_{\bar{N}}(2N+592)) + B_{\bar{N}}(2N+593 - B_{\bar{N}}(2N+591)) + B_{\bar{N}}(2N+593 - B_{\bar{N}}(2N+590))$$

$$= B_{\bar{N}}(2N+593 - (3N+213)) + B_{\bar{N}}(2N+593 - (N+7)) + B_{\bar{N}}(2N+593 - (2N+386))$$

$$= B_{\bar{N}}(-N+380) + B_{\bar{N}}(N+586) + B_{\bar{N}}(207) = 0 + (2N+76) + 207 = 2N + 283$$

$$(N \ge 380)$$

$$B_{\bar{N}}(2N+594) = B_{\bar{N}}(2N+594-B_{\bar{N}}(2N+593)) + B_{\bar{N}}(2N+594-B_{\bar{N}}(2N+592)) + B_{\bar{N}}(2N+594-B_{\bar{N}}(2N+591))$$

$$= B_{\bar{N}}(2N+594-(2N+283)) + B_{\bar{N}}(2N+594-(3N+213)) + B_{\bar{N}}(2N+594-(N+7))$$

$$= B_{\bar{N}}(311) + B_{\bar{N}}(-N+381) + B_{\bar{N}}(N+587) = 311 + 0 + (N-2) = N+309$$

$$(N > 381)$$

$$B_{\bar{N}}(2N+595) = B_{\bar{N}}(2N+595-B_{\bar{N}}(2N+594)) + B_{\bar{N}}(2N+595-B_{\bar{N}}(2N+593)) + B_{\bar{N}}(2N+595-B_{\bar{N}}(2N+592))$$

$$= B_{\bar{N}}(2N+595-(N+309)) + B_{\bar{N}}(2N+595-(2N+283)) + B_{\bar{N}}(2N+595-(3N+213))$$

$$= B_{\bar{N}}(N+286) + B_{\bar{N}}(312) + B_{\bar{N}}(-N+382) = (N-2) + 312 + 0 = N+310$$

$$(N > 382)$$

$$B_{\bar{N}}(2N+596) = B_{\bar{N}}(2N+596-B_{\bar{N}}(2N+595)) + B_{\bar{N}}(2N+596-B_{\bar{N}}(2N+594)) + B_{\bar{N}}(2N+596-B_{\bar{N}}(2N+593)) + B_{\bar{N}}(2N+596-(N+310)) + B_{\bar{N}}(2N+596-(N+309)) + B_{\bar{N}}(2N+596-(2N+283)) = B_{\bar{N}}(N+286) + B_{\bar{N}}(N+287) + B_{\bar{N}}(313) = (N-2) + 289 + 313 = N + 600$$

$$(N \ge 313)$$

$$B_{\bar{N}}(2N+597) = B_{\bar{N}}(2N+597 - B_{\bar{N}}(2N+596)) + B_{\bar{N}}(2N+597 - B_{\bar{N}}(2N+595)) + B_{\bar{N}}(2N+597 - B_{\bar{N}}(2N+594))$$

$$= B_{\bar{N}}(2N+597 - (N+600)) + B_{\bar{N}}(2N+597 - (N+310)) + B_{\bar{N}}(2N+597 - (N+309))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+287) + B_{\bar{N}}(N+288) = (N-3) + 289 + (N+289) = 2N+575$$

$$(N \ge 4)$$

$$B_{\bar{N}}(2N+598) = B_{\bar{N}}(2N+598-B_{\bar{N}}(2N+597)) + B_{\bar{N}}(2N+598-B_{\bar{N}}(2N+596)) + B_{\bar{N}}(2N+598-B_{\bar{N}}(2N+595))$$

$$= B_{\bar{N}}(2N+598-(2N+575)) + B_{\bar{N}}(2N+598-(N+600)) + B_{\bar{N}}(2N+598-(N+310))$$

$$= B_{\bar{N}}(23) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+288) = 23 + (N-2) + (N+289) = 2N+310$$

$$(N \ge 23)$$

$$B_{\bar{N}}(2N+599) = B_{\bar{N}}(2N+599 - B_{\bar{N}}(2N+598)) + B_{\bar{N}}(2N+599 - B_{\bar{N}}(2N+597)) + B_{\bar{N}}(2N+599 - B_{\bar{N}}(2N+596))$$

$$= B_{\bar{N}}(2N+599 - (2N+310)) + B_{\bar{N}}(2N+599 - (2N+575)) + B_{\bar{N}}(2N+599 - (N+600))$$

$$= B_{\bar{N}}(289) + B_{\bar{N}}(24) + B_{\bar{N}}(N-1) = 289 + 24 + (N-1) = N + 312$$

$$(N \ge 289)$$

$$B_{\bar{N}}(2N+600) = B_{\bar{N}}(2N+600 - B_{\bar{N}}(2N+599)) + B_{\bar{N}}(2N+600 - B_{\bar{N}}(2N+598)) + B_{\bar{N}}(2N+600 - B_{\bar{N}}(2N+597))$$

$$= B_{\bar{N}}(2N+600 - (N+312)) + B_{\bar{N}}(2N+600 - (2N+310)) + B_{\bar{N}}(2N+600 - (2N+575))$$

$$= B_{\bar{N}}(N+288) + B_{\bar{N}}(290) + B_{\bar{N}}(25) = (N+289) + 290 + 25 = N+604$$

$$(N > 290)$$

$$B_{\bar{N}}(2N+601) = B_{\bar{N}}(2N+601 - B_{\bar{N}}(2N+600)) + B_{\bar{N}}(2N+601 - B_{\bar{N}}(2N+599)) + B_{\bar{N}}(2N+601 - B_{\bar{N}}(2N+598))$$

$$= B_{\bar{N}}(2N+601 - (N+604)) + B_{\bar{N}}(2N+601 - (N+312)) + B_{\bar{N}}(2N+601 - (2N+310))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+289) + B_{\bar{N}}(291) = (N-3) + (N+291) + 291 = 2N + 579$$

$$(N \ge 291)$$

$$B_{\bar{N}}(2N+602) = B_{\bar{N}}(2N+602 - B_{\bar{N}}(2N+601)) + B_{\bar{N}}(2N+602 - B_{\bar{N}}(2N+600)) + B_{\bar{N}}(2N+602 - B_{\bar{N}}(2N+599))$$

$$= B_{\bar{N}}(2N+602 - (2N+579)) + B_{\bar{N}}(2N+602 - (N+604)) + B_{\bar{N}}(2N+602 - (N+312))$$

$$= B_{\bar{N}}(23) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+290) = 23 + (N-2) + 7 = N + 28$$

$$(N \ge 23)$$

$$B_{\bar{N}}(2N+603) = B_{\bar{N}}(2N+603-B_{\bar{N}}(2N+602)) + B_{\bar{N}}(2N+603-B_{\bar{N}}(2N+601)) + B_{\bar{N}}(2N+603-B_{\bar{N}}(2N+600))$$

$$= B_{\bar{N}}(2N+603-(N+28)) + B_{\bar{N}}(2N+603-(2N+579)) + B_{\bar{N}}(2N+603-(N+604))$$

$$= B_{\bar{N}}(N+575) + B_{\bar{N}}(24) + B_{\bar{N}}(N-1) = (N+576) + 24 + (N-1) = 2N + 599$$

$$(N \ge 24)$$

$$B_{\bar{N}}(2N+604) = B_{\bar{N}}(2N+604-B_{\bar{N}}(2N+603)) + B_{\bar{N}}(2N+604-B_{\bar{N}}(2N+602)) + B_{\bar{N}}(2N+604-B_{\bar{N}}(2N+601)) + B_{\bar{N}}(2N+604-(2N+599)) + B_{\bar{N}}(2N+604-(N+28)) + B_{\bar{N}}(2N+604-(2N+579)) = B_{\bar{N}}(5) + B_{\bar{N}}(N+576) + B_{\bar{N}}(25) = 5 + (N+578) + 25 = N+608$$

$$(N \ge 25)$$

$$B_{\bar{N}}(2N+605) = B_{\bar{N}}(2N+605-B_{\bar{N}}(2N+604)) + B_{\bar{N}}(2N+605-B_{\bar{N}}(2N+603)) + B_{\bar{N}}(2N+605-B_{\bar{N}}(2N+602))$$

$$= B_{\bar{N}}(2N+605-(N+608)) + B_{\bar{N}}(2N+605-(2N+599)) + B_{\bar{N}}(2N+605-(N+28))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(6) + B_{\bar{N}}(N+577) = (N-3) + 6 + 7 = N + 10$$

$$(N \ge 6)$$

$$B_{\bar{N}}(2N+606) = B_{\bar{N}}(2N+606-B_{\bar{N}}(2N+605)) + B_{\bar{N}}(2N+606-B_{\bar{N}}(2N+604)) + B_{\bar{N}}(2N+606-B_{\bar{N}}(2N+603))$$

$$= B_{\bar{N}}(2N+606-(N+10)) + B_{\bar{N}}(2N+606-(N+608)) + B_{\bar{N}}(2N+606-(2N+599))$$

$$= B_{\bar{N}}(N+596) + B_{\bar{N}}(N-2) + B_{\bar{N}}(7) = (N+597) + (N-2) + 7 = 2N + 602$$

$$(N \ge 7)$$

$$B_{\bar{N}}(2N+607) = B_{\bar{N}}(2N+607 - B_{\bar{N}}(2N+606)) + B_{\bar{N}}(2N+607 - B_{\bar{N}}(2N+605)) + B_{\bar{N}}(2N+607 - B_{\bar{N}}(2N+604))$$

$$= B_{\bar{N}}(2N+607 - (2N+602)) + B_{\bar{N}}(2N+607 - (N+10)) + B_{\bar{N}}(2N+607 - (N+608))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N+597) + B_{\bar{N}}(N-1) = 5 + (N+599) + (N-1) = 2N+603$$

$$(N \ge 5)$$

$$B_{\bar{N}}(2N+608) = B_{\bar{N}}(2N+608-B_{\bar{N}}(2N+607)) + B_{\bar{N}}(2N+608-B_{\bar{N}}(2N+606)) + B_{\bar{N}}(2N+608-B_{\bar{N}}(2N+605))$$

$$= B_{\bar{N}}(2N+608-(2N+603)) + B_{\bar{N}}(2N+608-(2N+602)) + B_{\bar{N}}(2N+608-(N+10))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(6) + B_{\bar{N}}(N+598) = 5+6+7=18$$

$$(N > 6)$$

$$B_{\bar{N}}(2N+609) = B_{\bar{N}}(2N+609 - B_{\bar{N}}(2N+608)) + B_{\bar{N}}(2N+609 - B_{\bar{N}}(2N+607)) + B_{\bar{N}}(2N+609 - B_{\bar{N}}(2N+606))$$

$$= B_{\bar{N}}(2N+609-18) + B_{\bar{N}}(2N+609 - (2N+603)) + B_{\bar{N}}(2N+609 - (2N+602))$$

$$= B_{\bar{N}}(2N+591) + B_{\bar{N}}(6) + B_{\bar{N}}(7) = (N+7) + 6 + 7 = N + 20$$

$$(N \ge 7)$$

$$B_{\bar{N}}(2N+610) = B_{\bar{N}}(2N+610 - B_{\bar{N}}(2N+609)) + B_{\bar{N}}(2N+610 - B_{\bar{N}}(2N+608)) + B_{\bar{N}}(2N+610 - B_{\bar{N}}(2N+607))$$

$$= B_{\bar{N}}(2N+610 - (N+20)) + B_{\bar{N}}(2N+610 - 18) + B_{\bar{N}}(2N+610 - (2N+603))$$

$$= B_{\bar{N}}(N+590) + B_{\bar{N}}(2N+592) + B_{\bar{N}}(7) = (N+592) + (3N+213) + 7 = 4N+812$$

$$(N \ge 7)$$

$$B_{\bar{N}}(2N+611) = B_{\bar{N}}(2N+611 - B_{\bar{N}}(2N+610)) + B_{\bar{N}}(2N+611 - B_{\bar{N}}(2N+609)) + B_{\bar{N}}(2N+611 - B_{\bar{N}}(2N+608))$$

$$= B_{\bar{N}}(2N+611 - (4N+812)) + B_{\bar{N}}(2N+611 - (N+20)) + B_{\bar{N}}(2N+611 - 18)$$

$$= B_{\bar{N}}(-2N-201) + B_{\bar{N}}(N+591) + B_{\bar{N}}(2N+593) = 0 + 7 + (2N+283) = 2N + 290$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+612) = B_{\bar{N}}(2N+612 - B_{\bar{N}}(2N+611)) + B_{\bar{N}}(2N+612 - B_{\bar{N}}(2N+610)) + B_{\bar{N}}(2N+612 - B_{\bar{N}}(2N+609))$$

$$= B_{\bar{N}}(2N+612 - (2N+290)) + B_{\bar{N}}(2N+612 - (4N+812)) + B_{\bar{N}}(2N+612 - (N+20))$$

$$= B_{\bar{N}}(322) + B_{\bar{N}}(-2N-200) + B_{\bar{N}}(N+592) = 322 + 0 + (2N+213) = 2N+535$$

$$(N \ge 322)$$

$$B_{\bar{N}}(2N+613) = B_{\bar{N}}(2N+613-B_{\bar{N}}(2N+612)) + B_{\bar{N}}(2N+613-B_{\bar{N}}(2N+611)) + B_{\bar{N}}(2N+613-B_{\bar{N}}(2N+610)) = B_{\bar{N}}(2N+613-(2N+535)) + B_{\bar{N}}(2N+613-(2N+290)) + B_{\bar{N}}(2N+613-(4N+812)) = B_{\bar{N}}(78) + B_{\bar{N}}(323) + B_{\bar{N}}(-2N-199) = 78+323+0 = 401 (N > 323)$$

$$B_{\bar{N}}(2N+614) = B_{\bar{N}}(2N+614 - B_{\bar{N}}(2N+613)) + B_{\bar{N}}(2N+614 - B_{\bar{N}}(2N+612)) + B_{\bar{N}}(2N+614 - B_{\bar{N}}(2N+611))$$

$$= B_{\bar{N}}(2N+614-401) + B_{\bar{N}}(2N+614 - (2N+535)) + B_{\bar{N}}(2N+614 - (2N+290))$$

$$= B_{\bar{N}}(2N+213) + B_{\bar{N}}(79) + B_{\bar{N}}(324) = (2N-147) + 79 + 324 = 2N + 256$$

$$(N \ge 324)$$

$$B_{\bar{N}}(2N+615) = B_{\bar{N}}(2N+615 - B_{\bar{N}}(2N+614)) + B_{\bar{N}}(2N+615 - B_{\bar{N}}(2N+613)) + B_{\bar{N}}(2N+615 - B_{\bar{N}}(2N+612))$$

$$= B_{\bar{N}}(2N+615 - (2N+256)) + B_{\bar{N}}(2N+615 - 401) + B_{\bar{N}}(2N+615 - (2N+535))$$

$$= B_{\bar{N}}(359) + B_{\bar{N}}(2N+214) + B_{\bar{N}}(80) = 359 + (N+299) + 80 = N+738$$

$$(N > 359)$$

$$B_{\bar{N}}(2N+616) = B_{\bar{N}}(2N+616 - B_{\bar{N}}(2N+615)) + B_{\bar{N}}(2N+616 - B_{\bar{N}}(2N+614)) + B_{\bar{N}}(2N+616 - B_{\bar{N}}(2N+613))$$

$$= B_{\bar{N}}(2N+616 - (N+738)) + B_{\bar{N}}(2N+616 - (2N+256)) + B_{\bar{N}}(2N+616 - 401)$$

$$= B_{\bar{N}}(N-122) + B_{\bar{N}}(360) + B_{\bar{N}}(2N+215) = (N-122) + 360 + (2N+193) = 3N+431$$

$$(N \ge 360)$$

$$B_{\bar{N}}(2N+617) = B_{\bar{N}}(2N+617 - B_{\bar{N}}(2N+616)) + B_{\bar{N}}(2N+617 - B_{\bar{N}}(2N+615)) + B_{\bar{N}}(2N+617 - B_{\bar{N}}(2N+614))$$

$$= B_{\bar{N}}(2N+617 - (3N+431)) + B_{\bar{N}}(2N+617 - (N+738)) + B_{\bar{N}}(2N+617 - (2N+256))$$

$$= B_{\bar{N}}(-N+186) + B_{\bar{N}}(N-121) + B_{\bar{N}}(361) = 0 + (N-121) + 361 = N + 240$$

$$(N \ge 361)$$

$$B_{\bar{N}}(2N+618) = B_{\bar{N}}(2N+618 - B_{\bar{N}}(2N+617)) + B_{\bar{N}}(2N+618 - B_{\bar{N}}(2N+616)) + B_{\bar{N}}(2N+618 - B_{\bar{N}}(2N+615))$$

$$= B_{\bar{N}}(2N+618 - (N+240)) + B_{\bar{N}}(2N+618 - (3N+431)) + B_{\bar{N}}(2N+618 - (N+738))$$

$$= B_{\bar{N}}(N+378) + B_{\bar{N}}(-N+187) + B_{\bar{N}}(N-120) = 380 + 0 + (N-120) = N+260$$

$$(N \ge 187)$$

$$B_{\bar{N}}(2N+619) = B_{\bar{N}}(2N+619 - B_{\bar{N}}(2N+618)) + B_{\bar{N}}(2N+619 - B_{\bar{N}}(2N+617)) + B_{\bar{N}}(2N+619 - B_{\bar{N}}(2N+616))$$

$$= B_{\bar{N}}(2N+619 - (N+260)) + B_{\bar{N}}(2N+619 - (N+240)) + B_{\bar{N}}(2N+619 - (3N+431))$$

$$= B_{\bar{N}}(N+359) + B_{\bar{N}}(N+379) + B_{\bar{N}}(-N+188) = (N+361) + (N+380) + 0 = 2N+741$$

$$(N \ge 188)$$

$$B_{\bar{N}}(2N+620) = B_{\bar{N}}(2N+620 - B_{\bar{N}}(2N+619)) + B_{\bar{N}}(2N+620 - B_{\bar{N}}(2N+618)) + B_{\bar{N}}(2N+620 - B_{\bar{N}}(2N+617))$$

$$= B_{\bar{N}}(2N+620 - (2N+741)) + B_{\bar{N}}(2N+620 - (N+260)) + B_{\bar{N}}(2N+620 - (N+240))$$

$$= B_{\bar{N}}(-121) + B_{\bar{N}}(N+360) + B_{\bar{N}}(N+380) = 0 + 7 + (N+382) = N + 389$$

$$(N > 1)$$

$$B_{\bar{N}}(2N+621) = B_{\bar{N}}(2N+621 - B_{\bar{N}}(2N+620)) + B_{\bar{N}}(2N+621 - B_{\bar{N}}(2N+619)) + B_{\bar{N}}(2N+621 - B_{\bar{N}}(2N+618))$$

$$= B_{\bar{N}}(2N+621 - (N+389)) + B_{\bar{N}}(2N+621 - (2N+741)) + B_{\bar{N}}(2N+621 - (N+260))$$

$$= B_{\bar{N}}(N+232) + B_{\bar{N}}(-120) + B_{\bar{N}}(N+361) = (N+233) + 0 + (2N+147) = 3N+380$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+622) = B_{\bar{N}}(2N+622 - B_{\bar{N}}(2N+621)) + B_{\bar{N}}(2N+622 - B_{\bar{N}}(2N+620)) + B_{\bar{N}}(2N+622 - B_{\bar{N}}(2N+619))$$

$$= B_{\bar{N}}(2N+622 - (3N+380)) + B_{\bar{N}}(2N+622 - (N+389)) + B_{\bar{N}}(2N+622 - (2N+741))$$

$$= B_{\bar{N}}(-N+242) + B_{\bar{N}}(N+233) + B_{\bar{N}}(-119) = 0 + (N+235) + 0 = N+235$$

$$(N \ge 242)$$

$$B_{\bar{N}}(2N+623) = B_{\bar{N}}(2N+623 - B_{\bar{N}}(2N+622)) + B_{\bar{N}}(2N+623 - B_{\bar{N}}(2N+621)) + B_{\bar{N}}(2N+623 - B_{\bar{N}}(2N+620))$$

$$= B_{\bar{N}}(2N+623 - (N+235)) + B_{\bar{N}}(2N+623 - (3N+380)) + B_{\bar{N}}(2N+623 - (N+389))$$

$$= B_{\bar{N}}(N+388) + B_{\bar{N}}(-N+243) + B_{\bar{N}}(N+234) = 7+0+7=14$$

$$(N > 243)$$

$$B_{\bar{N}}(2N+624) = B_{\bar{N}}(2N+624-B_{\bar{N}}(2N+623)) + B_{\bar{N}}(2N+624-B_{\bar{N}}(2N+622)) + B_{\bar{N}}(2N+624-B_{\bar{N}}(2N+621))$$

$$= B_{\bar{N}}(2N+624-14) + B_{\bar{N}}(2N+624-(N+235)) + B_{\bar{N}}(2N+624-(3N+380))$$

$$= B_{\bar{N}}(2N+610) + B_{\bar{N}}(N+389) + B_{\bar{N}}(-N+244) = (4N+812) + (2N+155) + 0 = 6N+967$$

$$(N \ge 244)$$

$$B_{\bar{N}}(2N+625) = B_{\bar{N}}(2N+625 - B_{\bar{N}}(2N+624)) + B_{\bar{N}}(2N+625 - B_{\bar{N}}(2N+623)) + B_{\bar{N}}(2N+625 - B_{\bar{N}}(2N+622))$$

$$= B_{\bar{N}}(2N+625 - (6N+967)) + B_{\bar{N}}(2N+625 - 14) + B_{\bar{N}}(2N+625 - (N+235))$$

$$= B_{\bar{N}}(-4N-342) + B_{\bar{N}}(2N+611) + B_{\bar{N}}(N+390) = 0 + (2N+290) + (2N+48) = 4N+338$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+626) = B_{\bar{N}}(2N+626 - B_{\bar{N}}(2N+625)) + B_{\bar{N}}(2N+626 - B_{\bar{N}}(2N+624)) + B_{\bar{N}}(2N+626 - B_{\bar{N}}(2N+623))$$

$$= B_{\bar{N}}(2N+626 - (4N+338)) + B_{\bar{N}}(2N+626 - (6N+967)) + B_{\bar{N}}(2N+626 - 14)$$

$$= B_{\bar{N}}(-2N+288) + B_{\bar{N}}(-4N-341) + B_{\bar{N}}(2N+612) = 0 + 0 + (2N+535) = 2N+535$$

$$(N \ge 144)$$

$$B_{\bar{N}}(2N+627) = B_{\bar{N}}(2N+627 - B_{\bar{N}}(2N+626)) + B_{\bar{N}}(2N+627 - B_{\bar{N}}(2N+625)) + B_{\bar{N}}(2N+627 - B_{\bar{N}}(2N+624))$$

$$= B_{\bar{N}}(2N+627 - (2N+535)) + B_{\bar{N}}(2N+627 - (4N+338)) + B_{\bar{N}}(2N+627 - (6N+967))$$

$$= B_{\bar{N}}(92) + B_{\bar{N}}(-2N+289) + B_{\bar{N}}(-4N-340) = 92 + 0 + 0 = 92$$

$$(N \ge 145)$$

$$B_{\bar{N}}(2N+628) = B_{\bar{N}}(2N+628-B_{\bar{N}}(2N+627)) + B_{\bar{N}}(2N+628-B_{\bar{N}}(2N+626)) + B_{\bar{N}}(2N+628-B_{\bar{N}}(2N+625))$$

$$= B_{\bar{N}}(2N+628-92) + B_{\bar{N}}(2N+628-(2N+535)) + B_{\bar{N}}(2N+628-(4N+338))$$

$$= B_{\bar{N}}(2N+536) + B_{\bar{N}}(93) + B_{\bar{N}}(-2N+290) = (N+543) + 93 + 0 = N+636$$

$$(N \ge 145)$$

$$B_{\bar{N}}(2N+629) = B_{\bar{N}}(2N+629 - B_{\bar{N}}(2N+628)) + B_{\bar{N}}(2N+629 - B_{\bar{N}}(2N+627)) + B_{\bar{N}}(2N+629 - B_{\bar{N}}(2N+626))$$

$$= B_{\bar{N}}(2N+629 - (N+636)) + B_{\bar{N}}(2N+629 - 92) + B_{\bar{N}}(2N+629 - (2N+535))$$

$$= B_{\bar{N}}(N-7) + B_{\bar{N}}(2N+537) + B_{\bar{N}}(94) = (N-7) + (2N+96) + 94 = 3N+183$$

$$(N \ge 94)$$

$$B_{\bar{N}}(2N+630) = B_{\bar{N}}(2N+630 - B_{\bar{N}}(2N+629)) + B_{\bar{N}}(2N+630 - B_{\bar{N}}(2N+628)) + B_{\bar{N}}(2N+630 - B_{\bar{N}}(2N+627))$$

$$= B_{\bar{N}}(2N+630 - (3N+183)) + B_{\bar{N}}(2N+630 - (N+636)) + B_{\bar{N}}(2N+630 - 92)$$

$$= B_{\bar{N}}(-N+447) + B_{\bar{N}}(N-6) + B_{\bar{N}}(2N+538) = 0 + (N-6) + (N+542) = 2N+536$$

$$(N > 447)$$

$$B_{\bar{N}}(2N+631) = B_{\bar{N}}(2N+631-B_{\bar{N}}(2N+630)) + B_{\bar{N}}(2N+631-B_{\bar{N}}(2N+629)) + B_{\bar{N}}(2N+631-B_{\bar{N}}(2N+628))$$

$$= B_{\bar{N}}(2N+631-(2N+536)) + B_{\bar{N}}(2N+631-(3N+183)) + B_{\bar{N}}(2N+631-(N+636))$$

$$= B_{\bar{N}}(95) + B_{\bar{N}}(-N+448) + B_{\bar{N}}(N-5) = 95 + 0 + (N-5) = N+90$$

$$(N \ge 448)$$

$$B_{\bar{N}}(2N+632) = B_{\bar{N}}(2N+632-B_{\bar{N}}(2N+631)) + B_{\bar{N}}(2N+632-B_{\bar{N}}(2N+630)) + B_{\bar{N}}(2N+632-B_{\bar{N}}(2N+629))$$

$$= B_{\bar{N}}(2N+632-(N+90)) + B_{\bar{N}}(2N+632-(2N+536)) + B_{\bar{N}}(2N+632-(3N+183))$$

$$= B_{\bar{N}}(N+542) + B_{\bar{N}}(96) + B_{\bar{N}}(-N+449) = 7+96+0 = 103$$

$$(N \ge 449)$$

$$B_{\bar{N}}(2N+633) = B_{\bar{N}}(2N+633-B_{\bar{N}}(2N+632)) + B_{\bar{N}}(2N+633-B_{\bar{N}}(2N+631)) + B_{\bar{N}}(2N+633-B_{\bar{N}}(2N+630))$$

$$= B_{\bar{N}}(2N+633-103) + B_{\bar{N}}(2N+633-(N+90)) + B_{\bar{N}}(2N+633-(2N+536))$$

$$= B_{\bar{N}}(2N+530) + B_{\bar{N}}(N+543) + B_{\bar{N}}(97) = (N+536) + (2N+199) + 97 = 3N+832$$

$$(N \ge 97)$$

$$B_{\bar{N}}(2N+634) = B_{\bar{N}}(2N+634-B_{\bar{N}}(2N+633)) + B_{\bar{N}}(2N+634-B_{\bar{N}}(2N+632)) + B_{\bar{N}}(2N+634-B_{\bar{N}}(2N+631))$$

$$= B_{\bar{N}}(2N+634-(3N+832)) + B_{\bar{N}}(2N+634-103) + B_{\bar{N}}(2N+634-(N+90))$$

$$= B_{\bar{N}}(-N-198) + B_{\bar{N}}(2N+531) + B_{\bar{N}}(N+544) = 0 + (2N+430) + (2N+70) = 4N+500$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+635) = B_{\bar{N}}(2N+635-B_{\bar{N}}(2N+634)) + B_{\bar{N}}(2N+635-B_{\bar{N}}(2N+633)) + B_{\bar{N}}(2N+635-B_{\bar{N}}(2N+632))$$

$$= B_{\bar{N}}(2N+635-(4N+500)) + B_{\bar{N}}(2N+635-(3N+832)) + B_{\bar{N}}(2N+635-103)$$

$$= B_{\bar{N}}(-2N+135) + B_{\bar{N}}(-N-197) + B_{\bar{N}}(2N+532) = 0 + 0 + (N+540) = N+540$$

$$(N \ge 68)$$

$$B_{\bar{N}}(2N+636) = B_{\bar{N}}(2N+636-B_{\bar{N}}(2N+635)) + B_{\bar{N}}(2N+636-B_{\bar{N}}(2N+634)) + B_{\bar{N}}(2N+636-B_{\bar{N}}(2N+633)) + B_{\bar{N}}(2N+636-(N+540)) + B_{\bar{N}}(2N+636-(4N+500)) + B_{\bar{N}}(2N+636-(3N+832)) + B_{\bar{N}}(N+96) + B_{\bar{N}}(-2N+136) + B_{\bar{N}}(-N-196) = (2N+6) + 0 + 0 = 2N+6$$

$$(N \ge 68)$$

$$B_{\bar{N}}(2N+637) = B_{\bar{N}}(2N+637 - B_{\bar{N}}(2N+636)) + B_{\bar{N}}(2N+637 - B_{\bar{N}}(2N+635)) + B_{\bar{N}}(2N+637 - B_{\bar{N}}(2N+634))$$

$$= B_{\bar{N}}(2N+637 - (2N+6)) + B_{\bar{N}}(2N+637 - (N+540)) + B_{\bar{N}}(2N+637 - (4N+500))$$

$$= B_{\bar{N}}(631) + B_{\bar{N}}(N+97) + B_{\bar{N}}(-2N+137) = 631 + (N-2) + 0 = N + 629$$

$$(N \ge 631)$$

$$B_{\bar{N}}(2N+638) = B_{\bar{N}}(2N+638-B_{\bar{N}}(2N+637)) + B_{\bar{N}}(2N+638-B_{\bar{N}}(2N+636)) + B_{\bar{N}}(2N+638-B_{\bar{N}}(2N+635))$$

$$= B_{\bar{N}}(2N+638-(N+629)) + B_{\bar{N}}(2N+638-(2N+6)) + B_{\bar{N}}(2N+638-(N+540))$$

$$= B_{\bar{N}}(N+9) + B_{\bar{N}}(632) + B_{\bar{N}}(N+98) = 12 + 632 + 100 = 744$$

$$(N \ge 632)$$

$$B_{\bar{N}}(2N+639) = B_{\bar{N}}(2N+639 - B_{\bar{N}}(2N+638)) + B_{\bar{N}}(2N+639 - B_{\bar{N}}(2N+637)) + B_{\bar{N}}(2N+639 - B_{\bar{N}}(2N+636))$$

$$= B_{\bar{N}}(2N+639 - 744) + B_{\bar{N}}(2N+639 - (N+629)) + B_{\bar{N}}(2N+639 - (2N+6))$$

$$= B_{\bar{N}}(2N-105) + B_{\bar{N}}(N+10) + B_{\bar{N}}(633) = \left(\frac{15N}{7} - \frac{159}{7}\right) + (N+7) + 633 = \frac{22N}{7} + \frac{4321}{7}$$

$$(N > 633)$$

$$B_{\bar{N}}(2N+640) = B_{\bar{N}}(2N+640 - B_{\bar{N}}(2N+639)) + B_{\bar{N}}(2N+640 - B_{\bar{N}}(2N+638)) + B_{\bar{N}}(2N+640 - B_{\bar{N}}(2N+637))$$

$$= B_{\bar{N}}\left(2N+640 - \left(\frac{22N}{7} + \frac{4321}{7}\right)\right) + B_{\bar{N}}(2N+640 - 744) + B_{\bar{N}}(2N+640 - (N+629))$$

$$= B_{\bar{N}}\left(-\frac{8N}{7} + \frac{159}{7}\right) + B_{\bar{N}}(2N-104) + B_{\bar{N}}(N+11) = 0 + (N-2) + (N+8) = 2N+6$$

$$(N \ge 171)$$

$$B_{\bar{N}}(2N+641) = B_{\bar{N}}(2N+641 - B_{\bar{N}}(2N+640)) + B_{\bar{N}}(2N+641 - B_{\bar{N}}(2N+639)) + B_{\bar{N}}(2N+641 - B_{\bar{N}}(2N+638))$$

$$= B_{\bar{N}}(2N+641 - (2N+6)) + B_{\bar{N}}\left(2N+641 - \left(\frac{22N}{7} + \frac{4321}{7}\right)\right) + B_{\bar{N}}(2N+641 - 744)$$

$$= B_{\bar{N}}(635) + B_{\bar{N}}\left(-\frac{8N}{7} + \frac{166}{7}\right) + B_{\bar{N}}(2N-103) = 635 + 0 + (N-101) = N + 534$$

$$(N \ge 635)$$

$$B_{\bar{N}}(2N+642) = B_{\bar{N}}(2N+642 - B_{\bar{N}}(2N+641)) + B_{\bar{N}}(2N+642 - B_{\bar{N}}(2N+640)) + B_{\bar{N}}(2N+642 - B_{\bar{N}}(2N+639))$$

$$= B_{\bar{N}}(2N+642 - (N+534)) + B_{\bar{N}}(2N+642 - (2N+6)) + B_{\bar{N}}\left(2N+642 - \left(\frac{22N}{7} + \frac{4321}{7}\right)\right)$$

$$= B_{\bar{N}}(N+108) + B_{\bar{N}}(636) + B_{\bar{N}}\left(-\frac{8N}{7} + \frac{173}{7}\right) = 7 + 636 + 0 = 643$$

$$(N > 636)$$

$$B_{\bar{N}}(2N+643) = B_{\bar{N}}(2N+643 - B_{\bar{N}}(2N+642)) + B_{\bar{N}}(2N+643 - B_{\bar{N}}(2N+641)) + B_{\bar{N}}(2N+643 - B_{\bar{N}}(2N+640))$$

$$= B_{\bar{N}}(2N+643-643) + B_{\bar{N}}(2N+643 - (N+534)) + B_{\bar{N}}(2N+643 - (2N+6))$$

$$= B_{\bar{N}}(2N) + B_{\bar{N}}(N+109) + B_{\bar{N}}(637) = \left(\frac{15N}{7} - \frac{54}{7}\right) + (2N+75) + 637 = \frac{29N}{7} + \frac{4930}{7}$$

$$(N \ge 637)$$

$$B_{\bar{N}}(2N+644) = B_{\bar{N}}(2N+644 - B_{\bar{N}}(2N+643)) + B_{\bar{N}}(2N+644 - B_{\bar{N}}(2N+642)) + B_{\bar{N}}(2N+644 - B_{\bar{N}}(2N+641))$$

$$= B_{\bar{N}}\left(2N+644 - \left(\frac{29N}{7} + \frac{4930}{7}\right)\right) + B_{\bar{N}}(2N+644 - 643) + B_{\bar{N}}(2N+644 - (N+534))$$

$$= B_{\bar{N}}\left(-\frac{15N}{7} - \frac{422}{7}\right) + B_{\bar{N}}(2N+1) + B_{\bar{N}}(N+110) = 0 + (N-2) + (2N+8) = 3N+6$$

$$(N \ge 66)$$

$$B_{\bar{N}}(2N+645) = B_{\bar{N}}(2N+645 - B_{\bar{N}}(2N+644)) + B_{\bar{N}}(2N+645 - B_{\bar{N}}(2N+643)) + B_{\bar{N}}(2N+645 - B_{\bar{N}}(2N+642))$$

$$= B_{\bar{N}}(2N+645 - (3N+6)) + B_{\bar{N}}\left(2N+645 - \left(\frac{29N}{7} + \frac{4930}{7}\right)\right) + B_{\bar{N}}(2N+645 - 643)$$

$$= B_{\bar{N}}(-N+639) + B_{\bar{N}}\left(-\frac{15N}{7} - \frac{415}{7}\right) + B_{\bar{N}}(2N+2) = 0 + 0 + (N+3) = N+3$$

$$(N \ge 639)$$

$$B_{\bar{N}}(2N+646) = B_{\bar{N}}(2N+646 - B_{\bar{N}}(2N+645)) + B_{\bar{N}}(2N+646 - B_{\bar{N}}(2N+644)) + B_{\bar{N}}(2N+646 - B_{\bar{N}}(2N+643))$$

$$= B_{\bar{N}}(2N+646 - (N+3)) + B_{\bar{N}}(2N+646 - (3N+6)) + B_{\bar{N}}\left(2N+646 - \left(\frac{29N}{7} + \frac{4930}{7}\right)\right)$$

$$= B_{\bar{N}}(N+643) + B_{\bar{N}}(-N+640) + B_{\bar{N}}\left(-\frac{15N}{7} - \frac{408}{7}\right) = (N-2) + 0 + 0 = N-2$$

$$(N \ge 640)$$

$$B_{\bar{N}}(2N+647) = B_{\bar{N}}(2N+647 - B_{\bar{N}}(2N+646)) + B_{\bar{N}}(2N+647 - B_{\bar{N}}(2N+645)) + B_{\bar{N}}(2N+647 - B_{\bar{N}}(2N+644))$$

$$= B_{\bar{N}}(2N+647 - (N-2)) + B_{\bar{N}}(2N+647 - (N+3)) + B_{\bar{N}}(2N+647 - (3N+6))$$

$$= B_{\bar{N}}(N+649) + B_{\bar{N}}(N+644) + B_{\bar{N}}(-N+641) = (2N+85) + 646 + 0 = 2N+731$$

$$(N \ge 641)$$

$$B_{\bar{N}}(2N+648) = B_{\bar{N}}(2N+648-B_{\bar{N}}(2N+647)) + B_{\bar{N}}(2N+648-B_{\bar{N}}(2N+646)) + B_{\bar{N}}(2N+648-B_{\bar{N}}(2N+645))$$

$$= B_{\bar{N}}(2N+648-(2N+731)) + B_{\bar{N}}(2N+648-(N-2)) + B_{\bar{N}}(2N+648-(N+3))$$

$$= B_{\bar{N}}(-83) + B_{\bar{N}}(N+650) + B_{\bar{N}}(N+645) = 0 + (N-2) + (N+646) = 2N+644$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+649) = B_{\bar{N}}(2N+649 - B_{\bar{N}}(2N+648)) + B_{\bar{N}}(2N+649 - B_{\bar{N}}(2N+647)) + B_{\bar{N}}(2N+649 - B_{\bar{N}}(2N+646))$$

$$= B_{\bar{N}}(2N+649 - (2N+644)) + B_{\bar{N}}(2N+649 - (2N+731)) + B_{\bar{N}}(2N+649 - (N-2))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(-82) + B_{\bar{N}}(N+651) = 5 + 0 + 653 = 658$$

$$(N \ge 5)$$

$$B_{\bar{N}}(2N+650) = B_{\bar{N}}(2N+650 - B_{\bar{N}}(2N+649)) + B_{\bar{N}}(2N+650 - B_{\bar{N}}(2N+648)) + B_{\bar{N}}(2N+650 - B_{\bar{N}}(2N+647))$$

$$= B_{\bar{N}}(2N+650-658) + B_{\bar{N}}(2N+650 - (2N+644)) + B_{\bar{N}}(2N+650 - (2N+731))$$

$$= B_{\bar{N}}(2N-8) + B_{\bar{N}}(6) + B_{\bar{N}}(-81) = \left(\frac{16N}{7} + \frac{291}{7}\right) + 6 + 0 = \frac{16N}{7} + \frac{333}{7}$$

$$(N \ge 75)$$

$$B_{\bar{N}}(2N+651) = B_{\bar{N}}(2N+651 - B_{\bar{N}}(2N+650)) + B_{\bar{N}}(2N+651 - B_{\bar{N}}(2N+649)) + B_{\bar{N}}(2N+651 - B_{\bar{N}}(2N+648))$$

$$= B_{\bar{N}}\left(2N+651 - \left(\frac{16N}{7} + \frac{333}{7}\right)\right) + B_{\bar{N}}(2N+651 - 658) + B_{\bar{N}}(2N+651 - (2N+644))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{4224}{7}\right) + B_{\bar{N}}(2N-7) + B_{\bar{N}}(7) = 0 + \left(\frac{15N}{7} - \frac{61}{7}\right) + 7 = \frac{15N}{7} - \frac{12}{7}$$

$$(N > 2112)$$

$$B_{\bar{N}}(2N+652) = B_{\bar{N}}(2N+652 - B_{\bar{N}}(2N+651)) + B_{\bar{N}}(2N+652 - B_{\bar{N}}(2N+650)) + B_{\bar{N}}(2N+652 - B_{\bar{N}}(2N+649))$$

$$= B_{\bar{N}}\left(2N+652 - \left(\frac{15N}{7} - \frac{12}{7}\right)\right) + B_{\bar{N}}\left(2N+652 - \left(\frac{16N}{7} + \frac{333}{7}\right)\right) + B_{\bar{N}}(2N+652 - 658)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{4576}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{4231}{7}\right) + B_{\bar{N}}(2N-6) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 4576) *$$

$$B_{\bar{N}}(2N+653) = B_{\bar{N}}(2N+653 - B_{\bar{N}}(2N+652)) + B_{\bar{N}}(2N+653 - B_{\bar{N}}(2N+651)) + B_{\bar{N}}(2N+653 - B_{\bar{N}}(2N+650))$$

$$= B_{\bar{N}}(2N+653 - (N-2)) + B_{\bar{N}}\left(2N+653 - \left(\frac{15N}{7} - \frac{12}{7}\right)\right) + B_{\bar{N}}\left(2N+653 - \left(\frac{16N}{7} + \frac{333}{7}\right)\right)$$

$$= B_{\bar{N}}(N+655) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{4583}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{4238}{7}\right) = (2N+231) + 0 + 0 = 2N + 231$$

$$(N \ge 4583) *$$

$$B_{\bar{N}}(2N+654) = B_{\bar{N}}(2N+654 - B_{\bar{N}}(2N+653)) + B_{\bar{N}}(2N+654 - B_{\bar{N}}(2N+652)) + B_{\bar{N}}(2N+654 - B_{\bar{N}}(2N+651))$$

$$= B_{\bar{N}}(2N+654 - (2N+231)) + B_{\bar{N}}(2N+654 - (N-2)) + B_{\bar{N}}\left(2N+654 - \left(\frac{15N}{7} - \frac{12}{7}\right)\right)$$

$$= B_{\bar{N}}(423) + B_{\bar{N}}(N+656) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{4590}{7}\right) = 423 + (2N+86) + 0 = 2N + 509$$

$$(N > 4590) *$$

$$B_{\bar{N}}(2N+655) = B_{\bar{N}}(2N+655-B_{\bar{N}}(2N+654)) + B_{\bar{N}}(2N+655-B_{\bar{N}}(2N+653)) + B_{\bar{N}}(2N+655-B_{\bar{N}}(2N+652))$$

$$= B_{\bar{N}}(2N+655-(2N+509)) + B_{\bar{N}}(2N+655-(2N+231)) + B_{\bar{N}}(2N+655-(N-2))$$

$$= B_{\bar{N}}(146) + B_{\bar{N}}(424) + B_{\bar{N}}(N+657) = 146 + 424 + (N-2) = N + 568$$

$$(N > 424)$$

$$B_{\bar{N}}(2N+656) = B_{\bar{N}}(2N+656 - B_{\bar{N}}(2N+655)) + B_{\bar{N}}(2N+656 - B_{\bar{N}}(2N+654)) + B_{\bar{N}}(2N+656 - B_{\bar{N}}(2N+653))$$

$$= B_{\bar{N}}(2N+656 - (N+568)) + B_{\bar{N}}(2N+656 - (2N+509)) + B_{\bar{N}}(2N+656 - (2N+231))$$

$$= B_{\bar{N}}(N+88) + B_{\bar{N}}(147) + B_{\bar{N}}(425) = (2N+69) + 147 + 425 = 2N + 641$$

$$(N \ge 425)$$

$$B_{\bar{N}}(2N+657) = B_{\bar{N}}(2N+657 - B_{\bar{N}}(2N+656)) + B_{\bar{N}}(2N+657 - B_{\bar{N}}(2N+655)) + B_{\bar{N}}(2N+657 - B_{\bar{N}}(2N+654))$$

$$= B_{\bar{N}}(2N+657 - (2N+641)) + B_{\bar{N}}(2N+657 - (N+568)) + B_{\bar{N}}(2N+657 - (2N+509))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(N+89) + B_{\bar{N}}(148) = 16 + (2N+5) + 148 = 2N + 169$$

$$(N \ge 148)$$

$$B_{\bar{N}}(2N+658) = B_{\bar{N}}(2N+658-B_{\bar{N}}(2N+657)) + B_{\bar{N}}(2N+658-B_{\bar{N}}(2N+656)) + B_{\bar{N}}(2N+658-B_{\bar{N}}(2N+655))$$

$$= B_{\bar{N}}(2N+658-(2N+169)) + B_{\bar{N}}(2N+658-(2N+641)) + B_{\bar{N}}(2N+658-(N+568))$$

$$= B_{\bar{N}}(489) + B_{\bar{N}}(17) + B_{\bar{N}}(N+90) = 489 + 17 + (N-2) = N + 504$$

$$(N \ge 489)$$

$$B_{\bar{N}}(2N+659) = B_{\bar{N}}(2N+659 - B_{\bar{N}}(2N+658)) + B_{\bar{N}}(2N+659 - B_{\bar{N}}(2N+657)) + B_{\bar{N}}(2N+659 - B_{\bar{N}}(2N+656))$$

$$= B_{\bar{N}}(2N+659 - (N+504)) + B_{\bar{N}}(2N+659 - (2N+169)) + B_{\bar{N}}(2N+659 - (2N+641))$$

$$= B_{\bar{N}}(N+155) + B_{\bar{N}}(490) + B_{\bar{N}}(18) = (N+156) + 490 + 18 = N + 664$$

$$(N \ge 490)$$

$$B_{\bar{N}}(2N+660) = B_{\bar{N}}(2N+660 - B_{\bar{N}}(2N+659)) + B_{\bar{N}}(2N+660 - B_{\bar{N}}(2N+658)) + B_{\bar{N}}(2N+660 - B_{\bar{N}}(2N+657))$$

$$= B_{\bar{N}}(2N+660 - (N+664)) + B_{\bar{N}}(2N+660 - (N+504)) + B_{\bar{N}}(2N+660 - (2N+169))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(N+156) + B_{\bar{N}}(491) = (N-4) + (N+158) + 491 = 2N+645$$

$$(N \ge 491)$$

$$B_{\bar{N}}(2N+661) = B_{\bar{N}}(2N+661 - B_{\bar{N}}(2N+660)) + B_{\bar{N}}(2N+661 - B_{\bar{N}}(2N+659)) + B_{\bar{N}}(2N+661 - B_{\bar{N}}(2N+658))$$

$$= B_{\bar{N}}(2N+661 - (2N+645)) + B_{\bar{N}}(2N+661 - (N+664)) + B_{\bar{N}}(2N+661 - (N+504))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(N-3) + B_{\bar{N}}(N+157) = 16 + (N-3) + 7 = N + 20$$

$$(N > 16)$$

$$B_{\bar{N}}(2N+662) = B_{\bar{N}}(2N+662 - B_{\bar{N}}(2N+661)) + B_{\bar{N}}(2N+662 - B_{\bar{N}}(2N+660)) + B_{\bar{N}}(2N+662 - B_{\bar{N}}(2N+659))$$

$$= B_{\bar{N}}(2N+662 - (N+20)) + B_{\bar{N}}(2N+662 - (2N+645)) + B_{\bar{N}}(2N+662 - (N+664))$$

$$= B_{\bar{N}}(N+642) + B_{\bar{N}}(17) + B_{\bar{N}}(N-2) = (2N+84) + 17 + (N-2) = 3N + 99$$

$$(N \ge 17)$$

$$B_{\bar{N}}(2N+663) = B_{\bar{N}}(2N+663 - B_{\bar{N}}(2N+662)) + B_{\bar{N}}(2N+663 - B_{\bar{N}}(2N+661)) + B_{\bar{N}}(2N+663 - B_{\bar{N}}(2N+660))$$

$$= B_{\bar{N}}(2N+663 - (3N+99)) + B_{\bar{N}}(2N+663 - (N+20)) + B_{\bar{N}}(2N+663 - (2N+645))$$

$$= B_{\bar{N}}(-N+564) + B_{\bar{N}}(N+643) + B_{\bar{N}}(18) = 0 + (N-2) + 18 = N+16$$

$$(N \ge 564)$$

$$B_{\bar{N}}(2N+664) = B_{\bar{N}}(2N+664 - B_{\bar{N}}(2N+663)) + B_{\bar{N}}(2N+664 - B_{\bar{N}}(2N+662)) + B_{\bar{N}}(2N+664 - B_{\bar{N}}(2N+661))$$

$$= B_{\bar{N}}(2N+664 - (N+16)) + B_{\bar{N}}(2N+664 - (3N+99)) + B_{\bar{N}}(2N+664 - (N+20))$$

$$= B_{\bar{N}}(N+648) + B_{\bar{N}}(-N+565) + B_{\bar{N}}(N+644) = (2N+229) + 0 + 646 = 2N + 875$$

$$(N \ge 565)$$

$$B_{\bar{N}}(2N+665) = B_{\bar{N}}(2N+665 - B_{\bar{N}}(2N+664)) + B_{\bar{N}}(2N+665 - B_{\bar{N}}(2N+663)) + B_{\bar{N}}(2N+665 - B_{\bar{N}}(2N+662))$$

$$= B_{\bar{N}}(2N+665 - (2N+875)) + B_{\bar{N}}(2N+665 - (N+16)) + B_{\bar{N}}(2N+665 - (3N+99))$$

$$= B_{\bar{N}}(-210) + B_{\bar{N}}(N+649) + B_{\bar{N}}(-N+566) = 0 + (2N+85) + 0 = 2N+85$$

$$(N \ge 566)$$

$$B_{\bar{N}}(2N+666) = B_{\bar{N}}(2N+666 - B_{\bar{N}}(2N+665)) + B_{\bar{N}}(2N+666 - B_{\bar{N}}(2N+664)) + B_{\bar{N}}(2N+666 - B_{\bar{N}}(2N+663))$$

$$= B_{\bar{N}}(2N+666 - (2N+85)) + B_{\bar{N}}(2N+666 - (2N+875)) + B_{\bar{N}}(2N+666 - (N+16))$$

$$= B_{\bar{N}}(581) + B_{\bar{N}}(-209) + B_{\bar{N}}(N+650) = 581 + 0 + (N-2) = N + 579$$

$$(N > 581)$$

$$B_{\bar{N}}(2N+667) = B_{\bar{N}}(2N+667 - B_{\bar{N}}(2N+666)) + B_{\bar{N}}(2N+667 - B_{\bar{N}}(2N+665)) + B_{\bar{N}}(2N+667 - B_{\bar{N}}(2N+664))$$

$$= B_{\bar{N}}(2N+667 - (N+579)) + B_{\bar{N}}(2N+667 - (2N+85)) + B_{\bar{N}}(2N+667 - (2N+875))$$

$$= B_{\bar{N}}(N+88) + B_{\bar{N}}(582) + B_{\bar{N}}(-208) = (2N+69) + 582 + 0 = 2N+651$$

$$(N \ge 582)$$

$$B_{\bar{N}}(2N+668) = B_{\bar{N}}(2N+668-B_{\bar{N}}(2N+667)) + B_{\bar{N}}(2N+668-B_{\bar{N}}(2N+666)) + B_{\bar{N}}(2N+668-B_{\bar{N}}(2N+665))$$

$$= B_{\bar{N}}(2N+668-(2N+651)) + B_{\bar{N}}(2N+668-(N+579)) + B_{\bar{N}}(2N+668-(2N+85))$$

$$= B_{\bar{N}}(17) + B_{\bar{N}}(N+89) + B_{\bar{N}}(583) = 17 + (2N+5) + 583 = 2N + 605$$

$$(N \ge 583)$$

$$B_{\bar{N}}(2N+669) = B_{\bar{N}}(2N+669 - B_{\bar{N}}(2N+668)) + B_{\bar{N}}(2N+669 - B_{\bar{N}}(2N+667)) + B_{\bar{N}}(2N+669 - B_{\bar{N}}(2N+666))$$

$$= B_{\bar{N}}(2N+669 - (2N+605)) + B_{\bar{N}}(2N+669 - (2N+651)) + B_{\bar{N}}(2N+669 - (N+579))$$

$$= B_{\bar{N}}(64) + B_{\bar{N}}(18) + B_{\bar{N}}(N+90) = 64 + 18 + (N-2) = N+80$$

$$(N \ge 64)$$

$$B_{\bar{N}}(2N+670) = B_{\bar{N}}(2N+670 - B_{\bar{N}}(2N+669)) + B_{\bar{N}}(2N+670 - B_{\bar{N}}(2N+668)) + B_{\bar{N}}(2N+670 - B_{\bar{N}}(2N+667))$$

$$= B_{\bar{N}}(2N+670 - (N+80)) + B_{\bar{N}}(2N+670 - (2N+605)) + B_{\bar{N}}(2N+670 - (2N+651))$$

$$= B_{\bar{N}}(N+590) + B_{\bar{N}}(65) + B_{\bar{N}}(19) = (N+592) + 65 + 19 = N + 676$$

$$(N \ge 65)$$

$$B_{\bar{N}}(2N+671) = B_{\bar{N}}(2N+671 - B_{\bar{N}}(2N+670)) + B_{\bar{N}}(2N+671 - B_{\bar{N}}(2N+669)) + B_{\bar{N}}(2N+671 - B_{\bar{N}}(2N+668))$$

$$= B_{\bar{N}}(2N+671 - (N+676)) + B_{\bar{N}}(2N+671 - (N+80)) + B_{\bar{N}}(2N+671 - (2N+605))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(N+591) + B_{\bar{N}}(66) = (N-5) + 7 + 66 = N + 68$$

$$(N > 66)$$

$$B_{\bar{N}}(2N+672) = B_{\bar{N}}(2N+672 - B_{\bar{N}}(2N+671)) + B_{\bar{N}}(2N+672 - B_{\bar{N}}(2N+670)) + B_{\bar{N}}(2N+672 - B_{\bar{N}}(2N+669))$$

$$= B_{\bar{N}}(2N+672 - (N+68)) + B_{\bar{N}}(2N+672 - (N+676)) + B_{\bar{N}}(2N+672 - (N+80))$$

$$= B_{\bar{N}}(N+604) + B_{\bar{N}}(N-4) + B_{\bar{N}}(N+592) = (N+606) + (N-4) + (2N+213) = 4N+815$$

$$(N \ge 5)$$

$$B_{\bar{N}}(2N+673) = B_{\bar{N}}(2N+673 - B_{\bar{N}}(2N+672)) + B_{\bar{N}}(2N+673 - B_{\bar{N}}(2N+671)) + B_{\bar{N}}(2N+673 - B_{\bar{N}}(2N+670))$$

$$= B_{\bar{N}}(2N+673 - (4N+815)) + B_{\bar{N}}(2N+673 - (N+68)) + B_{\bar{N}}(2N+673 - (N+676))$$

$$= B_{\bar{N}}(-2N-142) + B_{\bar{N}}(N+605) + B_{\bar{N}}(N-3) = 0 + 7 + (N-3) = N+4$$

$$(N \ge 4)$$

$$B_{\bar{N}}(2N+674) = B_{\bar{N}}(2N+674 - B_{\bar{N}}(2N+673)) + B_{\bar{N}}(2N+674 - B_{\bar{N}}(2N+672)) + B_{\bar{N}}(2N+674 - B_{\bar{N}}(2N+671))$$

$$= B_{\bar{N}}(2N+674 - (N+4)) + B_{\bar{N}}(2N+674 - (4N+815)) + B_{\bar{N}}(2N+674 - (N+68))$$

$$= B_{\bar{N}}(N+670) + B_{\bar{N}}(-2N-141) + B_{\bar{N}}(N+606) = (2N+88) + 0 + (2N+217) = 4N+305$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+675) = B_{\bar{N}}(2N+675 - B_{\bar{N}}(2N+674)) + B_{\bar{N}}(2N+675 - B_{\bar{N}}(2N+673)) + B_{\bar{N}}(2N+675 - B_{\bar{N}}(2N+672))$$

$$= B_{\bar{N}}(2N+675 - (4N+305)) + B_{\bar{N}}(2N+675 - (N+4)) + B_{\bar{N}}(2N+675 - (4N+815))$$

$$= B_{\bar{N}}(-2N+370) + B_{\bar{N}}(N+671) + B_{\bar{N}}(-2N-140) = 0 + (N-2) + 0 = N-2$$

$$(N \ge 185)$$

$$B_{\bar{N}}(2N+676) = B_{\bar{N}}(2N+676 - B_{\bar{N}}(2N+675)) + B_{\bar{N}}(2N+676 - B_{\bar{N}}(2N+674)) + B_{\bar{N}}(2N+676 - B_{\bar{N}}(2N+673))$$

$$= B_{\bar{N}}(2N+676 - (N-2)) + B_{\bar{N}}(2N+676 - (4N+305)) + B_{\bar{N}}(2N+676 - (N+4))$$

$$= B_{\bar{N}}(N+678) + B_{\bar{N}}(-2N+371) + B_{\bar{N}}(N+672) = (N-2) + 0 + 674 = N + 672$$

$$(N > 186)$$

$$B_{\bar{N}}(2N+677) = B_{\bar{N}}(2N+677 - B_{\bar{N}}(2N+676)) + B_{\bar{N}}(2N+677 - B_{\bar{N}}(2N+675)) + B_{\bar{N}}(2N+677 - B_{\bar{N}}(2N+674))$$

$$= B_{\bar{N}}(2N+677 - (N+672)) + B_{\bar{N}}(2N+677 - (N-2)) + B_{\bar{N}}(2N+677 - (4N+305))$$

$$= B_{\bar{N}}(N+5) + B_{\bar{N}}(N+679) + B_{\bar{N}}(-2N+372) = 9 + 681 + 0 = 690$$

$$(N \ge 186)$$

$$B_{\bar{N}}(2N+678) = B_{\bar{N}}(2N+678-B_{\bar{N}}(2N+677)) + B_{\bar{N}}(2N+678-B_{\bar{N}}(2N+676)) + B_{\bar{N}}(2N+678-B_{\bar{N}}(2N+675)) + B_{\bar{N}}(2N+678-690) + B_{\bar{N}}(2N+678-(N+672)) + B_{\bar{N}}(2N+678-(N-2)) + B_{\bar{N}}(2N-12) + B_{\bar{N}}(N+6) + B_{\bar{N}}(N+680) = (N-10) + (N+4) + (N+681) = 3N+675$$

$$(N \ge 79)$$

$$B_{\bar{N}}(2N+679) = B_{\bar{N}}(2N+679 - B_{\bar{N}}(2N+678)) + B_{\bar{N}}(2N+679 - B_{\bar{N}}(2N+677)) + B_{\bar{N}}(2N+679 - B_{\bar{N}}(2N+676))$$

$$= B_{\bar{N}}(2N+679 - (3N+675)) + B_{\bar{N}}(2N+679 - 690) + B_{\bar{N}}(2N+679 - (N+672))$$

$$= B_{\bar{N}}(-N+4) + B_{\bar{N}}(2N-11) + B_{\bar{N}}(N+7) = 0 + (2N-10) + (N+5) = 3N-5$$

$$(N \ge 78)$$

$$B_{\bar{N}}(2N+680) = B_{\bar{N}}(2N+680 - B_{\bar{N}}(2N+679)) + B_{\bar{N}}(2N+680 - B_{\bar{N}}(2N+678)) + B_{\bar{N}}(2N+680 - B_{\bar{N}}(2N+677))$$

$$= B_{\bar{N}}(2N+680 - (3N-5)) + B_{\bar{N}}(2N+680 - (3N+675)) + B_{\bar{N}}(2N+680 - 690)$$

$$= B_{\bar{N}}(-N+685) + B_{\bar{N}}(-N+5) + B_{\bar{N}}(2N-10) = 0 + 0 + (2N-8) = 2N-8$$

$$(N \ge 685)$$

$$B_{\bar{N}}(2N+681) = B_{\bar{N}}(2N+681 - B_{\bar{N}}(2N+680)) + B_{\bar{N}}(2N+681 - B_{\bar{N}}(2N+679)) + B_{\bar{N}}(2N+681 - B_{\bar{N}}(2N+678))$$

$$= B_{\bar{N}}(2N+681 - (2N-8)) + B_{\bar{N}}(2N+681 - (3N-5)) + B_{\bar{N}}(2N+681 - (3N+675))$$

$$= B_{\bar{N}}(689) + B_{\bar{N}}(-N+686) + B_{\bar{N}}(-N+6) = 689 + 0 + 0 = 689$$

$$(N > 689)$$

$$B_{\bar{N}}(2N+682) = B_{\bar{N}}(2N+682 - B_{\bar{N}}(2N+681)) + B_{\bar{N}}(2N+682 - B_{\bar{N}}(2N+680)) + B_{\bar{N}}(2N+682 - B_{\bar{N}}(2N+679))$$

$$= B_{\bar{N}}(2N+682-689) + B_{\bar{N}}(2N+682 - (2N-8)) + B_{\bar{N}}(2N+682 - (3N-5))$$

$$= B_{\bar{N}}(2N-7) + B_{\bar{N}}(690) + B_{\bar{N}}(-N+687) = \left(\frac{15N}{7} - \frac{61}{7}\right) + 690 + 0 = \frac{15N}{7} + \frac{4769}{7}$$

$$(N \ge 690)$$

$$B_{\bar{N}}(2N+683) = B_{\bar{N}}(2N+683 - B_{\bar{N}}(2N+682)) + B_{\bar{N}}(2N+683 - B_{\bar{N}}(2N+681)) + B_{\bar{N}}(2N+683 - B_{\bar{N}}(2N+680))$$

$$= B_{\bar{N}}\left(2N+683 - \left(\frac{15N}{7} + \frac{4769}{7}\right)\right) + B_{\bar{N}}(2N+683-689) + B_{\bar{N}}(2N+683 - (2N-8))$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{12}{7}\right) + B_{\bar{N}}(2N-6) + B_{\bar{N}}(691) = 0 + (N-2) + 691 = N + 689$$

$$(N > 691)$$

$$B_{\bar{N}}(2N+684) = B_{\bar{N}}(2N+684-B_{\bar{N}}(2N+683)) + B_{\bar{N}}(2N+684-B_{\bar{N}}(2N+682)) + B_{\bar{N}}(2N+684-B_{\bar{N}}(2N+681))$$

$$= B_{\bar{N}}(2N+684-(N+689)) + B_{\bar{N}}\left(2N+684-\left(\frac{15N}{7}+\frac{4769}{7}\right)\right) + B_{\bar{N}}(2N+684-689)$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{19}{7}\right) + B_{\bar{N}}(2N-5) = (N-5) + 0 + (N-3) = 2N-8$$

$$(N > 72)$$

$$B_{\bar{N}}(2N+685) = B_{\bar{N}}(2N+685 - B_{\bar{N}}(2N+684)) + B_{\bar{N}}(2N+685 - B_{\bar{N}}(2N+683)) + B_{\bar{N}}(2N+685 - B_{\bar{N}}(2N+682))$$

$$= B_{\bar{N}}(2N+685 - (2N-8)) + B_{\bar{N}}(2N+685 - (N+689)) + B_{\bar{N}}\left(2N+685 - \left(\frac{15N}{7} + \frac{4769}{7}\right)\right)$$

$$= B_{\bar{N}}(693) + B_{\bar{N}}(N-4) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{26}{7}\right) = 693 + (N-4) + 0 = N + 689$$

$$(N \ge 693)$$

$$B_{\bar{N}}(2N+686) = B_{\bar{N}}(2N+686-B_{\bar{N}}(2N+685)) + B_{\bar{N}}(2N+686-B_{\bar{N}}(2N+684)) + B_{\bar{N}}(2N+686-B_{\bar{N}}(2N+683))$$

$$= B_{\bar{N}}(2N+686-(N+689)) + B_{\bar{N}}(2N+686-(2N-8)) + B_{\bar{N}}(2N+686-(N+689))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(694) + B_{\bar{N}}(N-3) = (N-3) + 694 + (N-3) = 2N + 688$$

$$(N \ge 694)$$

$$B_{\bar{N}}(2N+687) = B_{\bar{N}}(2N+687 - B_{\bar{N}}(2N+686)) + B_{\bar{N}}(2N+687 - B_{\bar{N}}(2N+685)) + B_{\bar{N}}(2N+687 - B_{\bar{N}}(2N+684))$$

$$= B_{\bar{N}}(2N+687 - (2N+688)) + B_{\bar{N}}(2N+687 - (N+689)) + B_{\bar{N}}(2N+687 - (2N-8))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-2) + B_{\bar{N}}(695) = 0 + (N-2) + 695 = N + 693$$

$$(N > 695)$$

$$B_{\bar{N}}(2N+688) = B_{\bar{N}}(2N+688-B_{\bar{N}}(2N+687)) + B_{\bar{N}}(2N+688-B_{\bar{N}}(2N+686)) + B_{\bar{N}}(2N+688-B_{\bar{N}}(2N+685))$$

$$= B_{\bar{N}}(2N+688-(N+693)) + B_{\bar{N}}(2N+688-(2N+688)) + B_{\bar{N}}(2N+688-(N+689))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(0) + B_{\bar{N}}(N-1) = (N-5) + 0 + (N-1) = 2N-6$$

$$(N > 6)$$

$$B_{\bar{N}}(2N+689) = B_{\bar{N}}(2N+689 - B_{\bar{N}}(2N+688)) + B_{\bar{N}}(2N+689 - B_{\bar{N}}(2N+687)) + B_{\bar{N}}(2N+689 - B_{\bar{N}}(2N+686))$$

$$= B_{\bar{N}}(2N+689 - (2N-6)) + B_{\bar{N}}(2N+689 - (N+693)) + B_{\bar{N}}(2N+689 - (2N+688))$$

$$= B_{\bar{N}}(695) + B_{\bar{N}}(N-4) + B_{\bar{N}}(1) = 695 + (N-4) + 1 = N + 692$$

$$(N \ge 695)$$

$$B_{\bar{N}}(2N+690) = B_{\bar{N}}(2N+690 - B_{\bar{N}}(2N+689)) + B_{\bar{N}}(2N+690 - B_{\bar{N}}(2N+688)) + B_{\bar{N}}(2N+690 - B_{\bar{N}}(2N+687))$$

$$= B_{\bar{N}}(2N+690 - (N+692)) + B_{\bar{N}}(2N+690 - (2N-6)) + B_{\bar{N}}(2N+690 - (N+693))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(696) + B_{\bar{N}}(N-3) = (N-2) + 696 + (N-3) = 2N + 691$$

$$(N > 696)$$

$$B_{\bar{N}}(2N+691) = B_{\bar{N}}(2N+691-B_{\bar{N}}(2N+690)) + B_{\bar{N}}(2N+691-B_{\bar{N}}(2N+689)) + B_{\bar{N}}(2N+691-B_{\bar{N}}(2N+688))$$

$$= B_{\bar{N}}(2N+691-(2N+691)) + B_{\bar{N}}(2N+691-(N+692)) + B_{\bar{N}}(2N+691-(2N-6))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(N-1) + B_{\bar{N}}(697) = 0 + (N-1) + 697 = N + 696$$

$$(N > 697)$$

$$B_{\bar{N}}(2N+692) = B_{\bar{N}}(2N+692-B_{\bar{N}}(2N+691)) + B_{\bar{N}}(2N+692-B_{\bar{N}}(2N+690)) + B_{\bar{N}}(2N+692-B_{\bar{N}}(2N+689))$$

$$= B_{\bar{N}}(2N+692-(N+696)) + B_{\bar{N}}(2N+692-(2N+691)) + B_{\bar{N}}(2N+692-(N+692))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(1) + B_{\bar{N}}(N) = (N-4) + 1 + N = 2N - 3$$

$$(N \ge 5)$$

$$B_{\bar{N}}(2N+693) = B_{\bar{N}}(2N+693-B_{\bar{N}}(2N+692)) + B_{\bar{N}}(2N+693-B_{\bar{N}}(2N+691)) + B_{\bar{N}}(2N+693-B_{\bar{N}}(2N+690)) + B_{\bar{N}}(2N+693-(2N+693)) + B_{\bar{N}}(2N+693-(2N+693)) + B_{\bar{N}}(2N+693-(2N+691)) + B_{\bar{N}}(696) + B_{\bar{N}}(N-3) + B_{\bar{N}}(2) = 696 + (N-3) + 2 = N + 695$$

$$(N \ge 696)$$

$$B_{\bar{N}}(2N+694) = B_{\bar{N}}(2N+694-B_{\bar{N}}(2N+693)) + B_{\bar{N}}(2N+694-B_{\bar{N}}(2N+692)) + B_{\bar{N}}(2N+694-B_{\bar{N}}(2N+691))$$

$$= B_{\bar{N}}(2N+694-(N+695)) + B_{\bar{N}}(2N+694-(2N-3)) + B_{\bar{N}}(2N+694-(N+696))$$

$$= B_{\bar{N}}(N-1) + B_{\bar{N}}(697) + B_{\bar{N}}(N-2) = (N-1) + 697 + (N-2) = 2N + 694$$

$$(N > 697)$$

$$B_{\bar{N}}(2N+695) = B_{\bar{N}}(2N+695-B_{\bar{N}}(2N+694)) + B_{\bar{N}}(2N+695-B_{\bar{N}}(2N+693)) + B_{\bar{N}}(2N+695-B_{\bar{N}}(2N+692))$$

$$= B_{\bar{N}}(2N+695-(2N+694)) + B_{\bar{N}}(2N+695-(N+695)) + B_{\bar{N}}(2N+695-(2N-3))$$

$$= B_{\bar{N}}(1) + B_{\bar{N}}(N) + B_{\bar{N}}(698) = 1 + N + 698 = N + 699$$

$$(N > 698)$$

$$B_{\bar{N}}(2N+696) = B_{\bar{N}}(2N+696-B_{\bar{N}}(2N+695)) + B_{\bar{N}}(2N+696-B_{\bar{N}}(2N+694)) + B_{\bar{N}}(2N+696-B_{\bar{N}}(2N+693))$$

$$= B_{\bar{N}}(2N+696-(N+699)) + B_{\bar{N}}(2N+696-(2N+694)) + B_{\bar{N}}(2N+696-(N+695))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(2) + B_{\bar{N}}(N+1) = (N-3) + 2 + 6 = N + 5$$

$$(N > 4)$$

$$B_{\bar{N}}(2N+697) = B_{\bar{N}}(2N+697 - B_{\bar{N}}(2N+696)) + B_{\bar{N}}(2N+697 - B_{\bar{N}}(2N+695)) + B_{\bar{N}}(2N+697 - B_{\bar{N}}(2N+694))$$

$$= B_{\bar{N}}(2N+697 - (N+5)) + B_{\bar{N}}(2N+697 - (N+699)) + B_{\bar{N}}(2N+697 - (2N+694))$$

$$= B_{\bar{N}}(N+692) + B_{\bar{N}}(N-2) + B_{\bar{N}}(3) = (N-2) + (N-2) + 3 = 2N-1$$

$$(N \ge 3)$$

$$B_{\bar{N}}(2N+698) = B_{\bar{N}}(2N+698-B_{\bar{N}}(2N+697)) + B_{\bar{N}}(2N+698-B_{\bar{N}}(2N+696)) + B_{\bar{N}}(2N+698-B_{\bar{N}}(2N+695))$$

$$= B_{\bar{N}}(2N+698-(2N-1)) + B_{\bar{N}}(2N+698-(N+5)) + B_{\bar{N}}(2N+698-(N+699))$$

$$= B_{\bar{N}}(699) + B_{\bar{N}}(N+693) + B_{\bar{N}}(N-1) = 699 + 695 + (N-1) = N+1393$$

$$(N > 699)$$

$$B_{\bar{N}}(2N+699) = B_{\bar{N}}(2N+699 - B_{\bar{N}}(2N+698)) + B_{\bar{N}}(2N+699 - B_{\bar{N}}(2N+697)) + B_{\bar{N}}(2N+699 - B_{\bar{N}}(2N+696))$$

$$= B_{\bar{N}}(2N+699 - (N+1393)) + B_{\bar{N}}(2N+699 - (2N-1)) + B_{\bar{N}}(2N+699 - (N+5))$$

$$= B_{\bar{N}}(N-694) + B_{\bar{N}}(700) + B_{\bar{N}}(N+694) = (N-694) + 700 + (N+695) = 2N+701$$

$$(N \ge 700)$$

$$B_{\bar{N}}(2N+700) = B_{\bar{N}}(2N+700-B_{\bar{N}}(2N+699)) + B_{\bar{N}}(2N+700-B_{\bar{N}}(2N+698)) + B_{\bar{N}}(2N+700-B_{\bar{N}}(2N+697))$$

$$= B_{\bar{N}}(2N+700-(2N+701)) + B_{\bar{N}}(2N+700-(N+1393)) + B_{\bar{N}}(2N+700-(2N-1))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-693) + B_{\bar{N}}(701) = 0 + (N-693) + 701 = N+8$$

$$(N > 701)$$

$$B_{\bar{N}}(2N+701) = B_{\bar{N}}(2N+701-B_{\bar{N}}(2N+700)) + B_{\bar{N}}(2N+701-B_{\bar{N}}(2N+699)) + B_{\bar{N}}(2N+701-B_{\bar{N}}(2N+698))$$

$$= B_{\bar{N}}(2N+701-(N+8)) + B_{\bar{N}}(2N+701-(2N+701)) + B_{\bar{N}}(2N+701-(N+1393))$$

$$= B_{\bar{N}}(N+693) + B_{\bar{N}}(0) + B_{\bar{N}}(N-692) = 695 + 0 + (N-692) = N+3$$

$$(N \ge 693)$$

$$B_{\bar{N}}(2N+702) = B_{\bar{N}}(2N+702 - B_{\bar{N}}(2N+701)) + B_{\bar{N}}(2N+702 - B_{\bar{N}}(2N+700)) + B_{\bar{N}}(2N+702 - B_{\bar{N}}(2N+699))$$

$$= B_{\bar{N}}(2N+702 - (N+3)) + B_{\bar{N}}(2N+702 - (N+8)) + B_{\bar{N}}(2N+702 - (2N+701))$$

$$= B_{\bar{N}}(N+699) + B_{\bar{N}}(N+694) + B_{\bar{N}}(1) = (N-2) + (N+695) + 1 = 2N+694$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+703) = B_{\bar{N}}(2N+703 - B_{\bar{N}}(2N+702)) + B_{\bar{N}}(2N+703 - B_{\bar{N}}(2N+701)) + B_{\bar{N}}(2N+703 - B_{\bar{N}}(2N+700))$$

$$= B_{\bar{N}}(2N+703 - (2N+694)) + B_{\bar{N}}(2N+703 - (N+3)) + B_{\bar{N}}(2N+703 - (N+8))$$

$$= B_{\bar{N}}(9) + B_{\bar{N}}(N+700) + B_{\bar{N}}(N+695) = 9 + 702 + (N+697) = N + 1408$$

$$(N \ge 9)$$

$$B_{\bar{N}}(2N+704) = B_{\bar{N}}(2N+704-B_{\bar{N}}(2N+703)) + B_{\bar{N}}(2N+704-B_{\bar{N}}(2N+702)) + B_{\bar{N}}(2N+704-B_{\bar{N}}(2N+701))$$

$$= B_{\bar{N}}(2N+704-(N+1408)) + B_{\bar{N}}(2N+704-(2N+694)) + B_{\bar{N}}(2N+704-(N+3))$$

$$= B_{\bar{N}}(N-704) + B_{\bar{N}}(10) + B_{\bar{N}}(N+701) = (N-704) + 10 + (N+702) = 2N+8$$

$$(N \ge 705)$$

$$B_{\bar{N}}(2N+705) = B_{\bar{N}}(2N+705 - B_{\bar{N}}(2N+704)) + B_{\bar{N}}(2N+705 - B_{\bar{N}}(2N+703)) + B_{\bar{N}}(2N+705 - B_{\bar{N}}(2N+702))$$

$$= B_{\bar{N}}(2N+705 - (2N+8)) + B_{\bar{N}}(2N+705 - (N+1408)) + B_{\bar{N}}(2N+705 - (2N+694))$$

$$= B_{\bar{N}}(697) + B_{\bar{N}}(N-703) + B_{\bar{N}}(11) = 697 + (N-703) + 11 = N+5$$

$$(N > 704)$$

$$B_{\bar{N}}(2N+706) = B_{\bar{N}}(2N+706-B_{\bar{N}}(2N+705)) + B_{\bar{N}}(2N+706-B_{\bar{N}}(2N+704)) + B_{\bar{N}}(2N+706-B_{\bar{N}}(2N+703))$$

$$= B_{\bar{N}}(2N+706-(N+5)) + B_{\bar{N}}(2N+706-(2N+8)) + B_{\bar{N}}(2N+706-(N+1408))$$

$$= B_{\bar{N}}(N+701) + B_{\bar{N}}(698) + B_{\bar{N}}(N-702) = (N+702) + 698 + (N-702) = 2N+698$$

$$(N \ge 703)$$

$$B_{\bar{N}}(2N+707) = B_{\bar{N}}(2N+707 - B_{\bar{N}}(2N+706)) + B_{\bar{N}}(2N+707 - B_{\bar{N}}(2N+705)) + B_{\bar{N}}(2N+707 - B_{\bar{N}}(2N+704))$$

$$= B_{\bar{N}}(2N+707 - (2N+698)) + B_{\bar{N}}(2N+707 - (N+5)) + B_{\bar{N}}(2N+707 - (2N+8))$$

$$= B_{\bar{N}}(9) + B_{\bar{N}}(N+702) + B_{\bar{N}}(699) = 9 + (N+704) + 699 = N + 1412$$

$$(N \ge 699)$$

$$B_{\bar{N}}(2N+708) = B_{\bar{N}}(2N+708-B_{\bar{N}}(2N+707)) + B_{\bar{N}}(2N+708-B_{\bar{N}}(2N+706)) + B_{\bar{N}}(2N+708-B_{\bar{N}}(2N+705)) = B_{\bar{N}}(2N+708-(N+1412)) + B_{\bar{N}}(2N+708-(2N+698)) + B_{\bar{N}}(2N+708-(N+5)) = B_{\bar{N}}(N-704) + B_{\bar{N}}(10) + B_{\bar{N}}(N+703) = (N-704) + 10 + 7 = N-687 (N > 705)$$

$$B_{\bar{N}}(2N+709) = B_{\bar{N}}(2N+709 - B_{\bar{N}}(2N+708)) + B_{\bar{N}}(2N+709 - B_{\bar{N}}(2N+707)) + B_{\bar{N}}(2N+709 - B_{\bar{N}}(2N+706))$$

$$= B_{\bar{N}}(2N+709 - (N-687)) + B_{\bar{N}}(2N+709 - (N+1412)) + B_{\bar{N}}(2N+709 - (2N+698))$$

$$= B_{\bar{N}}(N+1396) + B_{\bar{N}}(N-703) + B_{\bar{N}}(11) = 7 + (N-703) + 11 = N-685$$

$$(N \ge 704)$$

$$B_{\bar{N}}(2N+710) = B_{\bar{N}}(2N+710-B_{\bar{N}}(2N+709)) + B_{\bar{N}}(2N+710-B_{\bar{N}}(2N+708)) + B_{\bar{N}}(2N+710-B_{\bar{N}}(2N+707))$$

$$= B_{\bar{N}}(2N+710-(N-685)) + B_{\bar{N}}(2N+710-(N-687)) + B_{\bar{N}}(2N+710-(N+1412))$$

$$= B_{\bar{N}}(N+1395) + B_{\bar{N}}(N+1397) + B_{\bar{N}}(N-702) = (N+1397) + (2N+443) + (N-702) = 4N+1138$$

$$(N \ge 703)$$

$$B_{\bar{N}}(2N+711) = B_{\bar{N}}(2N+711-B_{\bar{N}}(2N+710)) + B_{\bar{N}}(2N+711-B_{\bar{N}}(2N+709)) + B_{\bar{N}}(2N+711-B_{\bar{N}}(2N+708))$$

$$= B_{\bar{N}}(2N+711-(4N+1138)) + B_{\bar{N}}(2N+711-(N-685)) + B_{\bar{N}}(2N+711-(N-687))$$

$$= B_{\bar{N}}(-2N-427) + B_{\bar{N}}(N+1396) + B_{\bar{N}}(N+1398) = 0 + 7 + (2N+192) = 2N+199$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+712) = B_{\bar{N}}(2N+712-B_{\bar{N}}(2N+711)) + B_{\bar{N}}(2N+712-B_{\bar{N}}(2N+710)) + B_{\bar{N}}(2N+712-B_{\bar{N}}(2N+709)) = B_{\bar{N}}(2N+712-(2N+199)) + B_{\bar{N}}(2N+712-(4N+1138)) + B_{\bar{N}}(2N+712-(N-685)) = B_{\bar{N}}(513) + B_{\bar{N}}(-2N-426) + B_{\bar{N}}(N+1397) = 513+0+(2N+443) = 2N+956 (N \ge 513)$$

$$B_{\bar{N}}(2N+713) = B_{\bar{N}}(2N+713 - B_{\bar{N}}(2N+712)) + B_{\bar{N}}(2N+713 - B_{\bar{N}}(2N+711)) + B_{\bar{N}}(2N+713 - B_{\bar{N}}(2N+710))$$

$$= B_{\bar{N}}(2N+713 - (2N+956)) + B_{\bar{N}}(2N+713 - (2N+199)) + B_{\bar{N}}(2N+713 - (4N+1138))$$

$$= B_{\bar{N}}(-243) + B_{\bar{N}}(514) + B_{\bar{N}}(-2N-425) = 0 + 514 + 0 = 514$$

$$(N > 514)$$

$$B_{\bar{N}}(2N+714) = B_{\bar{N}}(2N+714-B_{\bar{N}}(2N+713)) + B_{\bar{N}}(2N+714-B_{\bar{N}}(2N+712)) + B_{\bar{N}}(2N+714-B_{\bar{N}}(2N+711))$$

$$= B_{\bar{N}}(2N+714-514) + B_{\bar{N}}(2N+714-(2N+956)) + B_{\bar{N}}(2N+714-(2N+199))$$

$$= B_{\bar{N}}(2N+200) + B_{\bar{N}}(-242) + B_{\bar{N}}(515) = (N+291) + 0 + 515 = N + 806$$

$$(N \ge 515)$$

$$B_{\bar{N}}(2N+715) = B_{\bar{N}}(2N+715 - B_{\bar{N}}(2N+714)) + B_{\bar{N}}(2N+715 - B_{\bar{N}}(2N+713)) + B_{\bar{N}}(2N+715 - B_{\bar{N}}(2N+712))$$

$$= B_{\bar{N}}(2N+715 - (N+806)) + B_{\bar{N}}(2N+715 - 514) + B_{\bar{N}}(2N+715 - (2N+956))$$

$$= B_{\bar{N}}(N-91) + B_{\bar{N}}(2N+201) + B_{\bar{N}}(-241) = (N-91) + (2N-156) + 0 = 3N-247$$

$$(N > 92)$$

$$B_{\bar{N}}(2N+716) = B_{\bar{N}}(2N+716-B_{\bar{N}}(2N+715)) + B_{\bar{N}}(2N+716-B_{\bar{N}}(2N+714)) + B_{\bar{N}}(2N+716-B_{\bar{N}}(2N+713))$$

$$= B_{\bar{N}}(2N+716-(3N-247)) + B_{\bar{N}}(2N+716-(N+806)) + B_{\bar{N}}(2N+716-514)$$

$$= B_{\bar{N}}(-N+963) + B_{\bar{N}}(N-90) + B_{\bar{N}}(2N+202) = 0 + (N-90) + (N+290) = 2N+200$$

$$(N \ge 963)$$

$$B_{\bar{N}}(2N+717) = B_{\bar{N}}(2N+717-B_{\bar{N}}(2N+716)) + B_{\bar{N}}(2N+717-B_{\bar{N}}(2N+715)) + B_{\bar{N}}(2N+717-B_{\bar{N}}(2N+714))$$

$$= B_{\bar{N}}(2N+717-(2N+200)) + B_{\bar{N}}(2N+717-(3N-247)) + B_{\bar{N}}(2N+717-(N+806))$$

$$= B_{\bar{N}}(517) + B_{\bar{N}}(-N+964) + B_{\bar{N}}(N-89) = 517+0+(N-89) = N+428$$

$$(N \ge 964)$$

$$B_{\bar{N}}(2N+718) = B_{\bar{N}}(2N+718-B_{\bar{N}}(2N+717)) + B_{\bar{N}}(2N+718-B_{\bar{N}}(2N+716)) + B_{\bar{N}}(2N+718-B_{\bar{N}}(2N+715))$$

$$= B_{\bar{N}}(2N+718-(N+428)) + B_{\bar{N}}(2N+718-(2N+200)) + B_{\bar{N}}(2N+718-(3N-247))$$

$$= B_{\bar{N}}(N+290) + B_{\bar{N}}(518) + B_{\bar{N}}(-N+965) = 7+518+0 = 525$$

$$(N > 965)$$

$$B_{\bar{N}}(2N+719) = B_{\bar{N}}(2N+719 - B_{\bar{N}}(2N+718)) + B_{\bar{N}}(2N+719 - B_{\bar{N}}(2N+717)) + B_{\bar{N}}(2N+719 - B_{\bar{N}}(2N+716))$$

$$= B_{\bar{N}}(2N+719 - 525) + B_{\bar{N}}(2N+719 - (N+428)) + B_{\bar{N}}(2N+719 - (2N+200))$$

$$= B_{\bar{N}}(2N+194) + B_{\bar{N}}(N+291) + B_{\bar{N}}(519) = (N+284) + (2N+127) + 519 = 3N+930$$

$$(N \ge 519)$$

$$B_{\bar{N}}(2N+720) = B_{\bar{N}}(2N+720 - B_{\bar{N}}(2N+719)) + B_{\bar{N}}(2N+720 - B_{\bar{N}}(2N+718)) + B_{\bar{N}}(2N+720 - B_{\bar{N}}(2N+717))$$

$$= B_{\bar{N}}(2N+720 - (3N+930)) + B_{\bar{N}}(2N+720 - 525) + B_{\bar{N}}(2N+720 - (N+428))$$

$$= B_{\bar{N}}(-N-210) + B_{\bar{N}}(2N+195) + B_{\bar{N}}(N+292) = 0 + (2N+178) + (2N+34) = 4N+212$$

$$(N > 1)$$

$$B_{\bar{N}}(2N+721) = B_{\bar{N}}(2N+721-B_{\bar{N}}(2N+720)) + B_{\bar{N}}(2N+721-B_{\bar{N}}(2N+719)) + B_{\bar{N}}(2N+721-B_{\bar{N}}(2N+718))$$

$$= B_{\bar{N}}(2N+721-(4N+212)) + B_{\bar{N}}(2N+721-(3N+930)) + B_{\bar{N}}(2N+721-525)$$

$$= B_{\bar{N}}(-2N+509) + B_{\bar{N}}(-N-209) + B_{\bar{N}}(2N+196) = 0 + 0 + (N+288) = N+288$$

$$(N \ge 255)$$

$$B_{\bar{N}}(2N+722) = B_{\bar{N}}(2N+722 - B_{\bar{N}}(2N+721)) + B_{\bar{N}}(2N+722 - B_{\bar{N}}(2N+720)) + B_{\bar{N}}(2N+722 - B_{\bar{N}}(2N+719))$$

$$= B_{\bar{N}}(2N+722 - (N+288)) + B_{\bar{N}}(2N+722 - (4N+212)) + B_{\bar{N}}(2N+722 - (3N+930))$$

$$= B_{\bar{N}}(N+434) + B_{\bar{N}}(-2N+510) + B_{\bar{N}}(-N-208) = 436 + 0 + 0 = 436$$

$$(N \ge 255)$$

$$B_{\bar{N}}(2N+723) = B_{\bar{N}}(2N+723 - B_{\bar{N}}(2N+722)) + B_{\bar{N}}(2N+723 - B_{\bar{N}}(2N+721)) + B_{\bar{N}}(2N+723 - B_{\bar{N}}(2N+720))$$

$$= B_{\bar{N}}(2N+723 - 436) + B_{\bar{N}}(2N+723 - (N+288)) + B_{\bar{N}}(2N+723 - (4N+212))$$

$$= B_{\bar{N}}(2N+287) + B_{\bar{N}}(N+435) + B_{\bar{N}}(-2N+511) = (2N+247) + (N+436) + 0 = 3N+683$$

$$(N \ge 256)$$

$$B_{\bar{N}}(2N+724) = B_{\bar{N}}(2N+724-B_{\bar{N}}(2N+723)) + B_{\bar{N}}(2N+724-B_{\bar{N}}(2N+722)) + B_{\bar{N}}(2N+724-B_{\bar{N}}(2N+721))$$

$$= B_{\bar{N}}(2N+724-(3N+683)) + B_{\bar{N}}(2N+724-436) + B_{\bar{N}}(2N+724-(N+288))$$

$$= B_{\bar{N}}(-N+41) + B_{\bar{N}}(2N+288) + B_{\bar{N}}(N+436) = 0 + (N+357) + (N+438) = 2N+795$$

$$(N \ge 41)$$

$$B_{\bar{N}}(2N+725) = B_{\bar{N}}(2N+725 - B_{\bar{N}}(2N+724)) + B_{\bar{N}}(2N+725 - B_{\bar{N}}(2N+723)) + B_{\bar{N}}(2N+725 - B_{\bar{N}}(2N+725))$$

$$= B_{\bar{N}}(2N+725 - (2N+795)) + B_{\bar{N}}(2N+725 - (3N+683)) + B_{\bar{N}}(2N+725 - 436)$$

$$= B_{\bar{N}}(-70) + B_{\bar{N}}(-N+42) + B_{\bar{N}}(2N+289) = 0 + 0 + (2N-90) = 2N-90$$

$$(N > 42)$$

$$B_{\bar{N}}(2N+726) = B_{\bar{N}}(2N+726 - B_{\bar{N}}(2N+725)) + B_{\bar{N}}(2N+726 - B_{\bar{N}}(2N+724)) + B_{\bar{N}}(2N+726 - B_{\bar{N}}(2N+723))$$

$$= B_{\bar{N}}(2N+726 - (2N-90)) + B_{\bar{N}}(2N+726 - (2N+795)) + B_{\bar{N}}(2N+726 - (3N+683))$$

$$= B_{\bar{N}}(816) + B_{\bar{N}}(-69) + B_{\bar{N}}(-N+43) = 816 + 0 + 0 = 816$$

$$(N > 816)$$

$$B_{\bar{N}}(2N+727) = B_{\bar{N}}(2N+727 - B_{\bar{N}}(2N+726)) + B_{\bar{N}}(2N+727 - B_{\bar{N}}(2N+725)) + B_{\bar{N}}(2N+727 - B_{\bar{N}}(2N+724))$$

$$= B_{\bar{N}}(2N+727-816) + B_{\bar{N}}(2N+727 - (2N-90)) + B_{\bar{N}}(2N+727 - (2N+795))$$

$$= B_{\bar{N}}(2N-89) + B_{\bar{N}}(817) + B_{\bar{N}}(-68) = (N-87) + 817 + 0 = N+730$$

$$(N \ge 817)$$

$$B_{\bar{N}}(2N+728) = B_{\bar{N}}(2N+728-B_{\bar{N}}(2N+727)) + B_{\bar{N}}(2N+728-B_{\bar{N}}(2N+726)) + B_{\bar{N}}(2N+728-B_{\bar{N}}(2N+725))$$

$$= B_{\bar{N}}(2N+728-(N+730)) + B_{\bar{N}}(2N+728-816) + B_{\bar{N}}(2N+728-(2N-90))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(2N-88) + B_{\bar{N}}(818) = (N-2) + (2N-87) + 818 = 3N+729$$

$$(N \ge 818)$$

$$B_{\bar{N}}(2N+729) = B_{\bar{N}}(2N+729 - B_{\bar{N}}(2N+728)) + B_{\bar{N}}(2N+729 - B_{\bar{N}}(2N+727)) + B_{\bar{N}}(2N+729 - B_{\bar{N}}(2N+726))$$

$$= B_{\bar{N}}(2N+729 - (3N+729)) + B_{\bar{N}}(2N+729 - (N+730)) + B_{\bar{N}}(2N+729 - 816)$$

$$= B_{\bar{N}}(-N) + B_{\bar{N}}(N-1) + B_{\bar{N}}(2N-87) = 0 + (N-1) + (2N-85) = 3N-86$$

$$(N \ge 154)$$

$$B_{\bar{N}}(2N+730) = B_{\bar{N}}(2N+730 - B_{\bar{N}}(2N+729)) + B_{\bar{N}}(2N+730 - B_{\bar{N}}(2N+728)) + B_{\bar{N}}(2N+730 - B_{\bar{N}}(2N+727))$$

$$= B_{\bar{N}}(2N+730 - (3N-86)) + B_{\bar{N}}(2N+730 - (3N+729)) + B_{\bar{N}}(2N+730 - (N+730))$$

$$= B_{\bar{N}}(-N+816) + B_{\bar{N}}(-N+1) + B_{\bar{N}}(N) = 0 + 0 + N = N$$

$$(N > 816)$$

$$B_{\bar{N}}(2N+731) = B_{\bar{N}}(2N+731-B_{\bar{N}}(2N+730)) + B_{\bar{N}}(2N+731-B_{\bar{N}}(2N+729)) + B_{\bar{N}}(2N+731-B_{\bar{N}}(2N+728))$$

$$= B_{\bar{N}}(2N+731-N) + B_{\bar{N}}(2N+731-(3N-86)) + B_{\bar{N}}(2N+731-(3N+729))$$

$$= B_{\bar{N}}(N+731) + B_{\bar{N}}(-N+817) + B_{\bar{N}}(-N+2) = 7+0+0=7$$

$$(N \ge 817)$$

$$B_{\bar{N}}(2N+732) = B_{\bar{N}}(2N+732-B_{\bar{N}}(2N+731)) + B_{\bar{N}}(2N+732-B_{\bar{N}}(2N+730)) + B_{\bar{N}}(2N+732-B_{\bar{N}}(2N+729))$$

$$= B_{\bar{N}}(2N+732-7) + B_{\bar{N}}(2N+732-N) + B_{\bar{N}}(2N+732-(3N-86))$$

$$= B_{\bar{N}}(2N+725) + B_{\bar{N}}(N+732) + B_{\bar{N}}(-N+818) = (2N-90) + (2N+253) + 0 = 4N+163$$

$$(N \ge 818)$$

$$B_{\bar{N}}(2N+733) = B_{\bar{N}}(2N+733 - B_{\bar{N}}(2N+732)) + B_{\bar{N}}(2N+733 - B_{\bar{N}}(2N+731)) + B_{\bar{N}}(2N+733 - B_{\bar{N}}(2N+730))$$

$$= B_{\bar{N}}(2N+733 - (4N+163)) + B_{\bar{N}}(2N+733-7) + B_{\bar{N}}(2N+733-N)$$

$$= B_{\bar{N}}(-2N+570) + B_{\bar{N}}(2N+726) + B_{\bar{N}}(N+733) = 0 + 816 + (2N+97) = 2N+913$$

$$(N > 285)$$

$$B_{\bar{N}}(2N+734) = B_{\bar{N}}(2N+734-B_{\bar{N}}(2N+733)) + B_{\bar{N}}(2N+734-B_{\bar{N}}(2N+732)) + B_{\bar{N}}(2N+734-B_{\bar{N}}(2N+731))$$

$$= B_{\bar{N}}(2N+734-(2N+913)) + B_{\bar{N}}(2N+734-(4N+163)) + B_{\bar{N}}(2N+734-7)$$

$$= B_{\bar{N}}(-179) + B_{\bar{N}}(-2N+571) + B_{\bar{N}}(2N+727) = 0 + 0 + (N+730) = N+730$$

$$(N \ge 286)$$

$$B_{\bar{N}}(2N+735) = B_{\bar{N}}(2N+735-B_{\bar{N}}(2N+734)) + B_{\bar{N}}(2N+735-B_{\bar{N}}(2N+733)) + B_{\bar{N}}(2N+735-B_{\bar{N}}(2N+732))$$

$$= B_{\bar{N}}(2N+735-(N+730)) + B_{\bar{N}}(2N+735-(2N+913)) + B_{\bar{N}}(2N+735-(4N+163))$$

$$= B_{\bar{N}}(N+5) + B_{\bar{N}}(-178) + B_{\bar{N}}(-2N+572) = 9+0+0=9$$

$$(N > 286)$$

$$B_{\bar{N}}(2N+736) = B_{\bar{N}}(2N+736-B_{\bar{N}}(2N+735)) + B_{\bar{N}}(2N+736-B_{\bar{N}}(2N+734)) + B_{\bar{N}}(2N+736-B_{\bar{N}}(2N+733))$$

$$= B_{\bar{N}}(2N+736-9) + B_{\bar{N}}(2N+736-(N+730)) + B_{\bar{N}}(2N+736-(2N+913))$$

$$= B_{\bar{N}}(2N+727) + B_{\bar{N}}(N+6) + B_{\bar{N}}(-177) = (N+730) + (N+4) + 0 = 2N+734$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+737) = B_{\bar{N}}(2N+737 - B_{\bar{N}}(2N+736)) + B_{\bar{N}}(2N+737 - B_{\bar{N}}(2N+735)) + B_{\bar{N}}(2N+737 - B_{\bar{N}}(2N+734))$$

$$= B_{\bar{N}}(2N+737 - (2N+734)) + B_{\bar{N}}(2N+737-9) + B_{\bar{N}}(2N+737 - (N+730))$$

$$= B_{\bar{N}}(3) + B_{\bar{N}}(2N+728) + B_{\bar{N}}(N+7) = 3 + (3N+729) + (N+5) = 4N+737$$

$$(N \ge 3)$$

$$B_{\bar{N}}(2N+738) = B_{\bar{N}}(2N+738-B_{\bar{N}}(2N+737)) + B_{\bar{N}}(2N+738-B_{\bar{N}}(2N+736)) + B_{\bar{N}}(2N+738-B_{\bar{N}}(2N+735)) + B_{\bar{N}}(2N+738-(4N+737)) + B_{\bar{N}}(2N+738-(2N+734)) + B_{\bar{N}}(2N+738-9) = B_{\bar{N}}(-2N+1) + B_{\bar{N}}(4) + B_{\bar{N}}(2N+729) = 0 + 4 + (3N-86) = 3N-82$$

$$(N \ge 4)$$

$$B_{\bar{N}}(2N+739) = B_{\bar{N}}(2N+739 - B_{\bar{N}}(2N+738)) + B_{\bar{N}}(2N+739 - B_{\bar{N}}(2N+737)) + B_{\bar{N}}(2N+739 - B_{\bar{N}}(2N+736))$$

$$= B_{\bar{N}}(2N+739 - (3N-82)) + B_{\bar{N}}(2N+739 - (4N+737)) + B_{\bar{N}}(2N+739 - (2N+734))$$

$$= B_{\bar{N}}(-N+821) + B_{\bar{N}}(-2N+2) + B_{\bar{N}}(5) = 0 + 0 + 5 = 5$$

$$(N \ge 821)$$

$$B_{\bar{N}}(2N+740) = B_{\bar{N}}(2N+740 - B_{\bar{N}}(2N+739)) + B_{\bar{N}}(2N+740 - B_{\bar{N}}(2N+738)) + B_{\bar{N}}(2N+740 - B_{\bar{N}}(2N+737))$$

$$= B_{\bar{N}}(2N+740-5) + B_{\bar{N}}(2N+740 - (3N-82)) + B_{\bar{N}}(2N+740 - (4N+737))$$

$$= B_{\bar{N}}(2N+735) + B_{\bar{N}}(-N+822) + B_{\bar{N}}(-2N+3) = 9 + 0 + 0 = 9$$

$$(N > 822)$$

$$B_{\bar{N}}(2N+741) = B_{\bar{N}}(2N+741-B_{\bar{N}}(2N+740)) + B_{\bar{N}}(2N+741-B_{\bar{N}}(2N+739)) + B_{\bar{N}}(2N+741-B_{\bar{N}}(2N+738))$$

$$= B_{\bar{N}}(2N+741-9) + B_{\bar{N}}(2N+741-5) + B_{\bar{N}}(2N+741-(3N-82))$$

$$= B_{\bar{N}}(2N+732) + B_{\bar{N}}(2N+736) + B_{\bar{N}}(-N+823) = (4N+163) + (2N+734) + 0 = 6N+897$$

$$(N \ge 823)$$

$$B_{\bar{N}}(2N+742) = B_{\bar{N}}(2N+742-B_{\bar{N}}(2N+741)) + B_{\bar{N}}(2N+742-B_{\bar{N}}(2N+740)) + B_{\bar{N}}(2N+742-B_{\bar{N}}(2N+739))$$

$$= B_{\bar{N}}(2N+742-(6N+897)) + B_{\bar{N}}(2N+742-9) + B_{\bar{N}}(2N+742-5)$$

$$= B_{\bar{N}}(-4N-155) + B_{\bar{N}}(2N+733) + B_{\bar{N}}(2N+737) = 0 + (2N+913) + (4N+737) = 6N+1650$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+743) = B_{\bar{N}}(2N+743-B_{\bar{N}}(2N+742)) + B_{\bar{N}}(2N+743-B_{\bar{N}}(2N+741)) + B_{\bar{N}}(2N+743-B_{\bar{N}}(2N+740)) = B_{\bar{N}}(2N+743-(6N+1650)) + B_{\bar{N}}(2N+743-(6N+897)) + B_{\bar{N}}(2N+743-9) = B_{\bar{N}}(-4N-907) + B_{\bar{N}}(-4N-154) + B_{\bar{N}}(2N+734) = 0 + 0 + (N+730) = N+730 (N \ge 1)$$

$$B_{\bar{N}}(2N+744) = B_{\bar{N}}(2N+744-B_{\bar{N}}(2N+743)) + B_{\bar{N}}(2N+744-B_{\bar{N}}(2N+742)) + B_{\bar{N}}(2N+744-B_{\bar{N}}(2N+741))$$

$$= B_{\bar{N}}(2N+744-(N+730)) + B_{\bar{N}}(2N+744-(6N+1650)) + B_{\bar{N}}(2N+744-(6N+897))$$

$$= B_{\bar{N}}(N+14) + B_{\bar{N}}(-4N-906) + B_{\bar{N}}(-4N-153) = (N+10) + 0 + 0 = N+10$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+745) = B_{\bar{N}}(2N+745-B_{\bar{N}}(2N+744)) + B_{\bar{N}}(2N+745-B_{\bar{N}}(2N+743)) + B_{\bar{N}}(2N+745-B_{\bar{N}}(2N+745))$$

$$= B_{\bar{N}}(2N+745-(N+10)) + B_{\bar{N}}(2N+745-(N+730)) + B_{\bar{N}}(2N+745-(6N+1650))$$

$$= B_{\bar{N}}(N+735) + B_{\bar{N}}(N+15) + B_{\bar{N}}(-4N-905) = 737 + (N+11) + 0 = N+748$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+746) = B_{\bar{N}}(2N+746-B_{\bar{N}}(2N+745)) + B_{\bar{N}}(2N+746-B_{\bar{N}}(2N+744)) + B_{\bar{N}}(2N+746-B_{\bar{N}}(2N+743))$$

$$= B_{\bar{N}}(2N+746-(N+748)) + B_{\bar{N}}(2N+746-(N+10)) + B_{\bar{N}}(2N+746-(N+730))$$

$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(N+736) + B_{\bar{N}}(N+16) = (N-2) + (N+737) + 17 = 2N+752$$

$$(N \ge 3)$$

$$B_{\bar{N}}(2N+747) = B_{\bar{N}}(2N+747-B_{\bar{N}}(2N+746)) + B_{\bar{N}}(2N+747-B_{\bar{N}}(2N+745)) + B_{\bar{N}}(2N+747-B_{\bar{N}}(2N+744))$$

$$= B_{\bar{N}}(2N+747-(2N+752)) + B_{\bar{N}}(2N+747-(N+748)) + B_{\bar{N}}(2N+747-(N+10))$$

$$= B_{\bar{N}}(-5) + B_{\bar{N}}(N-1) + B_{\bar{N}}(N+737) = 0 + (N-1) + (N+739) = 2N+738$$

$$(N \ge 2)$$

$$B_{\bar{N}}(2N+748) = B_{\bar{N}}(2N+748-B_{\bar{N}}(2N+747)) + B_{\bar{N}}(2N+748-B_{\bar{N}}(2N+746)) + B_{\bar{N}}(2N+748-B_{\bar{N}}(2N+745))$$

$$= B_{\bar{N}}(2N+748-(2N+738)) + B_{\bar{N}}(2N+748-(2N+752)) + B_{\bar{N}}(2N+748-(N+748))$$

$$= B_{\bar{N}}(10) + B_{\bar{N}}(-4) + B_{\bar{N}}(N) = 10 + 0 + N = N + 10$$

$$(N \ge 10)$$

$$B_{\bar{N}}(2N+749) = B_{\bar{N}}(2N+749 - B_{\bar{N}}(2N+748)) + B_{\bar{N}}(2N+749 - B_{\bar{N}}(2N+747)) + B_{\bar{N}}(2N+749 - B_{\bar{N}}(2N+746))$$

$$= B_{\bar{N}}(2N+749 - (N+10)) + B_{\bar{N}}(2N+749 - (2N+738)) + B_{\bar{N}}(2N+749 - (2N+752))$$

$$= B_{\bar{N}}(N+739) + B_{\bar{N}}(11) + B_{\bar{N}}(-3) = (2N+255) + 11 + 0 = 2N + 266$$

$$(N \ge 11)$$

$$B_{\bar{N}}(2N+750) = B_{\bar{N}}(2N+750 - B_{\bar{N}}(2N+749)) + B_{\bar{N}}(2N+750 - B_{\bar{N}}(2N+748)) + B_{\bar{N}}(2N+750 - B_{\bar{N}}(2N+747))$$

$$= B_{\bar{N}}(2N+750 - (2N+266)) + B_{\bar{N}}(2N+750 - (N+10)) + B_{\bar{N}}(2N+750 - (2N+738))$$

$$= B_{\bar{N}}(484) + B_{\bar{N}}(N+740) + B_{\bar{N}}(12) = 484 + (2N+98) + 12 = 2N+594$$

$$(N > 484)$$

$$B_{\bar{N}}(2N+751) = B_{\bar{N}}(2N+751 - B_{\bar{N}}(2N+750)) + B_{\bar{N}}(2N+751 - B_{\bar{N}}(2N+749)) + B_{\bar{N}}(2N+751 - B_{\bar{N}}(2N+748))$$

$$= B_{\bar{N}}(2N+751 - (2N+594)) + B_{\bar{N}}(2N+751 - (2N+266)) + B_{\bar{N}}(2N+751 - (N+10))$$

$$= B_{\bar{N}}(157) + B_{\bar{N}}(485) + B_{\bar{N}}(N+741) = 157 + 485 + (N-2) = N + 640$$

$$(N \ge 485)$$

$$B_{\bar{N}}(2N+752) = B_{\bar{N}}(2N+752 - B_{\bar{N}}(2N+751)) + B_{\bar{N}}(2N+752 - B_{\bar{N}}(2N+750)) + B_{\bar{N}}(2N+752 - B_{\bar{N}}(2N+749))$$

$$= B_{\bar{N}}(2N+752 - (N+640)) + B_{\bar{N}}(2N+752 - (2N+594)) + B_{\bar{N}}(2N+752 - (2N+266))$$

$$= B_{\bar{N}}(N+112) + B_{\bar{N}}(158) + B_{\bar{N}}(486) = 114 + 158 + 486 = 758$$

$$(N \ge 486)$$

$$B_{\bar{N}}(2N+753) = B_{\bar{N}}(2N+753 - B_{\bar{N}}(2N+752)) + B_{\bar{N}}(2N+753 - B_{\bar{N}}(2N+751)) + B_{\bar{N}}(2N+753 - B_{\bar{N}}(2N+750))$$

$$= B_{\bar{N}}(2N+753-758) + B_{\bar{N}}(2N+753 - (N+640)) + B_{\bar{N}}(2N+753 - (2N+594))$$

$$= B_{\bar{N}}(2N-5) + B_{\bar{N}}(N+113) + B_{\bar{N}}(159) = (N-3) + (N+114) + 159 = 2N+270$$

$$(N \ge 159)$$

$$B_{\bar{N}}(2N+754) = B_{\bar{N}}(2N+754 - B_{\bar{N}}(2N+753)) + B_{\bar{N}}(2N+754 - B_{\bar{N}}(2N+752)) + B_{\bar{N}}(2N+754 - B_{\bar{N}}(2N+751))$$

$$= B_{\bar{N}}(2N+754 - (2N+270)) + B_{\bar{N}}(2N+754 - 758) + B_{\bar{N}}(2N+754 - (N+640))$$

$$= B_{\bar{N}}(484) + B_{\bar{N}}(2N-4) + B_{\bar{N}}(N+114) = 484 + (2N-3) + (N+116) = 3N+597$$

$$(N \ge 484)$$

$$B_{\bar{N}}(2N+755) = B_{\bar{N}}(2N+755 - B_{\bar{N}}(2N+754)) + B_{\bar{N}}(2N+755 - B_{\bar{N}}(2N+753)) + B_{\bar{N}}(2N+755 - B_{\bar{N}}(2N+752))$$

$$= B_{\bar{N}}(2N+755 - (3N+597)) + B_{\bar{N}}(2N+755 - (2N+270)) + B_{\bar{N}}(2N+755 - 758)$$

$$= B_{\bar{N}}(-N+158) + B_{\bar{N}}(485) + B_{\bar{N}}(2N-3) = 0 + 485 + (2N-1) = 2N + 484$$

$$(N > 485)$$

$$B_{\bar{N}}(2N+756) = B_{\bar{N}}(2N+756 - B_{\bar{N}}(2N+755)) + B_{\bar{N}}(2N+756 - B_{\bar{N}}(2N+754)) + B_{\bar{N}}(2N+756 - B_{\bar{N}}(2N+753))$$

$$= B_{\bar{N}}(2N+756 - (2N+484)) + B_{\bar{N}}(2N+756 - (3N+597)) + B_{\bar{N}}(2N+756 - (2N+270))$$

$$= B_{\bar{N}}(272) + B_{\bar{N}}(-N+159) + B_{\bar{N}}(486) = 272 + 0 + 486 = 758$$

$$(N \ge 486)$$

$$B_{\bar{N}}(2N+757) = B_{\bar{N}}(2N+757 - B_{\bar{N}}(2N+756)) + B_{\bar{N}}(2N+757 - B_{\bar{N}}(2N+755)) + B_{\bar{N}}(2N+757 - B_{\bar{N}}(2N+754))$$

$$= B_{\bar{N}}(2N+757-758) + B_{\bar{N}}(2N+757 - (2N+484)) + B_{\bar{N}}(2N+757 - (3N+597))$$

$$= B_{\bar{N}}(2N-1) + B_{\bar{N}}(273) + B_{\bar{N}}(-N+160) = \left(\frac{16N}{7} + \frac{305}{7}\right) + 273 + 0 = \frac{16N}{7} + \frac{2216}{7}$$

$$(N \ge 273)$$

$$B_{\bar{N}}(2N+758) = B_{\bar{N}}(2N+758-B_{\bar{N}}(2N+757)) + B_{\bar{N}}(2N+758-B_{\bar{N}}(2N+756)) + B_{\bar{N}}(2N+758-B_{\bar{N}}(2N+755))$$

$$= B_{\bar{N}}\left(2N+758-\left(\frac{16N}{7}+\frac{2216}{7}\right)\right) + B_{\bar{N}}(2N+758-758) + B_{\bar{N}}(2N+758-(2N+484))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{3090}{7}\right) + B_{\bar{N}}(2N) + B_{\bar{N}}(274) = 0 + \left(\frac{15N}{7}-\frac{54}{7}\right) + 274 = \frac{15N}{7} + \frac{1864}{7}$$

$$(N \ge 1545)$$

$$B_{\bar{N}}(2N+759) = B_{\bar{N}}(2N+759 - B_{\bar{N}}(2N+758)) + B_{\bar{N}}(2N+759 - B_{\bar{N}}(2N+757)) + B_{\bar{N}}(2N+759 - B_{\bar{N}}(2N+756))$$

$$= B_{\bar{N}}\left(2N+759 - \left(\frac{15N}{7} + \frac{1864}{7}\right)\right) + B_{\bar{N}}\left(2N+759 - \left(\frac{16N}{7} + \frac{2216}{7}\right)\right) + B_{\bar{N}}(2N+759 - 758)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{3449}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{3097}{7}\right) + B_{\bar{N}}(2N+1) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 3449)$$

$$B_{\bar{N}}(2N+760) = B_{\bar{N}}(2N+760 - B_{\bar{N}}(2N+759)) + B_{\bar{N}}(2N+760 - B_{\bar{N}}(2N+758)) + B_{\bar{N}}(2N+760 - B_{\bar{N}}(2N+757))$$

$$= B_{\bar{N}}(2N+760 - (N-2)) + B_{\bar{N}}\left(2N+760 - \left(\frac{15N}{7} + \frac{1864}{7}\right)\right) + B_{\bar{N}}\left(2N+760 - \left(\frac{16N}{7} + \frac{2216}{7}\right)\right)$$

$$= B_{\bar{N}}(N+762) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{3456}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{3104}{7}\right) = (N-2) + 0 + 0 = N-2$$

$$(N \ge 3456)$$

$$B_{\bar{N}}(2N+761) = B_{\bar{N}}(2N+761 - B_{\bar{N}}(2N+760)) + B_{\bar{N}}(2N+761 - B_{\bar{N}}(2N+759)) + B_{\bar{N}}(2N+761 - B_{\bar{N}}(2N+758))$$

$$= B_{\bar{N}}(2N+761 - (N-2)) + B_{\bar{N}}(2N+761 - (N-2)) + B_{\bar{N}}\left(2N+761 - \left(\frac{15N}{7} + \frac{1864}{7}\right)\right)$$

$$= B_{\bar{N}}(N+763) + B_{\bar{N}}(N+763) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{3463}{7}\right) = 765 + 765 + 0 = 1530$$

$$(N > 3463)$$

$$B_{\bar{N}}(2N+762) = B_{\bar{N}}(2N+762-B_{\bar{N}}(2N+761)) + B_{\bar{N}}(2N+762-B_{\bar{N}}(2N+760)) + B_{\bar{N}}(2N+762-B_{\bar{N}}(2N+762))$$

$$= B_{\bar{N}}(2N+762-1530) + B_{\bar{N}}(2N+762-(N-2)) + B_{\bar{N}}(2N+762-(N-2))$$

$$= B_{\bar{N}}(2N-768) + B_{\bar{N}}(N+764) + B_{\bar{N}}(N+764) = (N-766) + (N+765) + (N+765) = 3N+764$$

$$(N > 835)$$

$$B_{\bar{N}}(2N+763) = B_{\bar{N}}(2N+763 - B_{\bar{N}}(2N+762)) + B_{\bar{N}}(2N+763 - B_{\bar{N}}(2N+761)) + B_{\bar{N}}(2N+763 - B_{\bar{N}}(2N+760))$$

$$= B_{\bar{N}}(2N+763 - (3N+764)) + B_{\bar{N}}(2N+763 - 1530) + B_{\bar{N}}(2N+763 - (N-2))$$

$$= B_{\bar{N}}(-N-1) + B_{\bar{N}}(2N-767) + B_{\bar{N}}(N+765) = 0 + (2N-766) + (N+767) = 3N+1$$

$$(N \ge 834)$$

$$B_{\bar{N}}(2N+764) = B_{\bar{N}}(2N+764-B_{\bar{N}}(2N+763)) + B_{\bar{N}}(2N+764-B_{\bar{N}}(2N+762)) + B_{\bar{N}}(2N+764-B_{\bar{N}}(2N+761))$$

$$= B_{\bar{N}}(2N+764-(3N+1)) + B_{\bar{N}}(2N+764-(3N+764)) + B_{\bar{N}}(2N+764-1530)$$

$$= B_{\bar{N}}(-N+763) + B_{\bar{N}}(-N) + B_{\bar{N}}(2N-766) = 0 + 0 + (2N-764) = 2N-764$$

$$(N \ge 833)$$

$$B_{\bar{N}}(2N+765) = B_{\bar{N}}(2N+765 - B_{\bar{N}}(2N+764)) + B_{\bar{N}}(2N+765 - B_{\bar{N}}(2N+763)) + B_{\bar{N}}(2N+765 - B_{\bar{N}}(2N+762))$$

$$= B_{\bar{N}}(2N+765 - (2N-764)) + B_{\bar{N}}(2N+765 - (3N+1)) + B_{\bar{N}}(2N+765 - (3N+764))$$

$$= B_{\bar{N}}(1529) + B_{\bar{N}}(-N+764) + B_{\bar{N}}(-N+1) = 1529 + 0 + 0 = 1529$$

$$(N \ge 1529)$$

$$B_{\bar{N}}(2N+766) = B_{\bar{N}}(2N+766 - B_{\bar{N}}(2N+765)) + B_{\bar{N}}(2N+766 - B_{\bar{N}}(2N+764)) + B_{\bar{N}}(2N+766 - B_{\bar{N}}(2N+763))$$

$$= B_{\bar{N}}(2N+766-1529) + B_{\bar{N}}(2N+766 - (2N-764)) + B_{\bar{N}}(2N+766 - (3N+1))$$

$$= B_{\bar{N}}(2N-763) + B_{\bar{N}}(1530) + B_{\bar{N}}(-N+765) = \left(\frac{15N}{7} - \frac{817}{7}\right) + 1530 + 0 = \frac{15N}{7} + \frac{9893}{7}$$

$$(N > 1530)$$

$$B_{\bar{N}}(2N+767) = B_{\bar{N}}(2N+767 - B_{\bar{N}}(2N+766)) + B_{\bar{N}}(2N+767 - B_{\bar{N}}(2N+765)) + B_{\bar{N}}(2N+767 - B_{\bar{N}}(2N+764))$$

$$= B_{\bar{N}}\left(2N+767 - \left(\frac{15N}{7} + \frac{9893}{7}\right)\right) + B_{\bar{N}}(2N+767 - 1529) + B_{\bar{N}}(2N+767 - (2N-764))$$

$$= B_{\bar{N}}\left(-\frac{N}{7} - \frac{4524}{7}\right) + B_{\bar{N}}(2N-762) + B_{\bar{N}}(1531) = 0 + (N-2) + 1531 = N + 1529$$

$$(N \ge 1531)$$

$$B_{\bar{N}}(2N+768) = B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+767)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+766)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+765)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+768-B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+768) + B_{\bar{N}}(2N+$$

$$B_{\bar{N}}(2N+769) = B_{\bar{N}}(2N+769 - B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+769 - B_{\bar{N}}(2N+767)) + B_{\bar{N}}(2N+769 - B_{\bar{N}}(2N+766))$$

$$= B_{\bar{N}}(2N+769 - (2N-1520)) + B_{\bar{N}}(2N+769 - (N+1529)) + B_{\bar{N}}\left(2N+769 - \left(\frac{15N}{7} + \frac{9893}{7}\right)\right)$$

$$= B_{\bar{N}}(2289) + B_{\bar{N}}(N-760) + B_{\bar{N}}\left(-\frac{N}{7} - \frac{4510}{7}\right) = 2289 + (N-760) + 0 = N+1529$$

$$(N \ge 2289)$$

$$B_{\bar{N}}(2N+770) = B_{\bar{N}}(2N+770 - B_{\bar{N}}(2N+769)) + B_{\bar{N}}(2N+770 - B_{\bar{N}}(2N+768)) + B_{\bar{N}}(2N+770 - B_{\bar{N}}(2N+767))$$

$$= B_{\bar{N}}(2N+770 - (N+1529)) + B_{\bar{N}}(2N+770 - (2N-1520)) + B_{\bar{N}}(2N+770 - (N+1529))$$

$$= B_{\bar{N}}(N-759) + B_{\bar{N}}(2290) + B_{\bar{N}}(N-759) = (N-759) + 2290 + (N-759) = 2N+772$$

$$(N \ge 2290)$$

$$B_{\bar{N}}(2N+771) = B_{\bar{N}}(2N+771 - B_{\bar{N}}(2N+770)) + B_{\bar{N}}(2N+771 - B_{\bar{N}}(2N+769)) + B_{\bar{N}}(2N+771 - B_{\bar{N}}(2N+768))$$

$$= B_{\bar{N}}(2N+771 - (2N+772)) + B_{\bar{N}}(2N+771 - (N+1529)) + B_{\bar{N}}(2N+771 - (2N-1520))$$

$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-758) + B_{\bar{N}}(2291) = 0 + (N-758) + 2291 = N+1533$$

$$(N \ge 2291)$$

$$B_{\bar{N}}(2N+772) = B_{\bar{N}}(2N+772 - B_{\bar{N}}(2N+771)) + B_{\bar{N}}(2N+772 - B_{\bar{N}}(2N+770)) + B_{\bar{N}}(2N+772 - B_{\bar{N}}(2N+769))$$

$$= B_{\bar{N}}(2N+772 - (N+1533)) + B_{\bar{N}}(2N+772 - (2N+772)) + B_{\bar{N}}(2N+772 - (N+1529))$$

$$= B_{\bar{N}}(N-761) + B_{\bar{N}}(0) + B_{\bar{N}}(N-757) = (N-761) + 0 + (N-757) = 2N-1518$$

$$(N > 762)$$

$$B_{\bar{N}}(2N+773) = B_{\bar{N}}(2N+773-B_{\bar{N}}(2N+772)) + B_{\bar{N}}(2N+773-B_{\bar{N}}(2N+771)) + B_{\bar{N}}(2N+773-B_{\bar{N}}(2N+770)) = B_{\bar{N}}(2N+773-(2N-1518)) + B_{\bar{N}}(2N+773-(N+1533)) + B_{\bar{N}}(2N+773-(2N+772)) = B_{\bar{N}}(2291) + B_{\bar{N}}(N-760) + B_{\bar{N}}(1) = 2291 + (N-760) + 1 = N+1532 (N \ge 2291)$$

$$B_{\bar{N}}(2N+774) = B_{\bar{N}}(2N+774-B_{\bar{N}}(2N+773)) + B_{\bar{N}}(2N+774-B_{\bar{N}}(2N+772)) + B_{\bar{N}}(2N+774-B_{\bar{N}}(2N+771)) + B_{\bar{N}}(2N+774-(N+1532)) + B_{\bar{N}}(2N+774-(2N-1518)) + B_{\bar{N}}(2N+774-(N+1533)) + B_{\bar{N}}(N-758) + B_{\bar{N}}(292) + B_{\bar{N}}(N-759) = (N-758) + 2292 + (N-759) = 2N+775 + (N \ge 2292)$$

$$B_{\bar{N}}(2N+775) = B_{\bar{N}}(2N+775 - B_{\bar{N}}(2N+774)) + B_{\bar{N}}(2N+775 - B_{\bar{N}}(2N+773)) + B_{\bar{N}}(2N+775 - B_{\bar{N}}(2N+772))$$

$$= B_{\bar{N}}(2N+775 - (2N+775)) + B_{\bar{N}}(2N+775 - (N+1532)) + B_{\bar{N}}(2N+775 - (2N-1518))$$

$$= B_{\bar{N}}(0) + B_{\bar{N}}(N-757) + B_{\bar{N}}(2293) = 0 + (N-757) + 2293 = N + 1536$$

$$(N \ge 2293)$$

$$B_{\bar{N}}(2N+776) = B_{\bar{N}}(2N+776 - B_{\bar{N}}(2N+775)) + B_{\bar{N}}(2N+776 - B_{\bar{N}}(2N+774)) + B_{\bar{N}}(2N+776 - B_{\bar{N}}(2N+773))$$

$$= B_{\bar{N}}(2N+776 - (N+1536)) + B_{\bar{N}}(2N+776 - (2N+775)) + B_{\bar{N}}(2N+776 - (N+1532))$$

$$= B_{\bar{N}}(N-760) + B_{\bar{N}}(1) + B_{\bar{N}}(N-756) = (N-760) + 1 + (N-756) = 2N-1515$$

$$(N \ge 761)$$

$$B_{\bar{N}}(2N+777) = B_{\bar{N}}(2N+777 - B_{\bar{N}}(2N+776)) + B_{\bar{N}}(2N+777 - B_{\bar{N}}(2N+775)) + B_{\bar{N}}(2N+777 - B_{\bar{N}}(2N+774))$$

$$= B_{\bar{N}}(2N+777 - (2N-1515)) + B_{\bar{N}}(2N+777 - (N+1536)) + B_{\bar{N}}(2N+777 - (2N+775))$$

$$= B_{\bar{N}}(2292) + B_{\bar{N}}(N-759) + B_{\bar{N}}(2) = 2292 + (N-759) + 2 = N+1535$$

$$(N > 2292)$$

$$B_{\bar{N}}(2N+778) = B_{\bar{N}}(2N+778-B_{\bar{N}}(2N+777)) + B_{\bar{N}}(2N+778-B_{\bar{N}}(2N+776)) + B_{\bar{N}}(2N+778-B_{\bar{N}}(2N+775)) + B_{\bar{N}}(2N+778-(N+1535)) + B_{\bar{N}}(2N+778-(N+1535)) + B_{\bar{N}}(2N+778-(N+1536)) + B_{\bar{N}}(2N+778) + B_{\bar{N}}(293) + B_{\bar{N}}(N-758) = (N-757) + 2293 + (N-758) = 2N+778$$

$$(N \ge 2293)$$

$$B_{\bar{N}}(2N+779) = B_{\bar{N}}(2N+779 - B_{\bar{N}}(2N+778)) + B_{\bar{N}}(2N+779 - B_{\bar{N}}(2N+777)) + B_{\bar{N}}(2N+779 - B_{\bar{N}}(2N+776))$$

$$= B_{\bar{N}}(2N+779 - (2N+778)) + B_{\bar{N}}(2N+779 - (N+1535)) + B_{\bar{N}}(2N+779 - (2N-1515))$$

$$= B_{\bar{N}}(1) + B_{\bar{N}}(N-756) + B_{\bar{N}}(2294) = 1 + (N-756) + 2294 = N + 1539$$

$$(N \ge 2294)$$

$$B_{\bar{N}}(2N+780) = B_{\bar{N}}(2N+780 - B_{\bar{N}}(2N+779)) + B_{\bar{N}}(2N+780 - B_{\bar{N}}(2N+778)) + B_{\bar{N}}(2N+780 - B_{\bar{N}}(2N+777))$$

$$= B_{\bar{N}}(2N+780 - (N+1539)) + B_{\bar{N}}(2N+780 - (2N+778)) + B_{\bar{N}}(2N+780 - (N+1535))$$

$$= B_{\bar{N}}(N-759) + B_{\bar{N}}(2) + B_{\bar{N}}(N-755) = (N-759) + 2 + (N-755) = 2N-1512$$

$$(N \ge 760)$$

$$B_{\bar{N}}(2N+781) = B_{\bar{N}}(2N+781 - B_{\bar{N}}(2N+780)) + B_{\bar{N}}(2N+781 - B_{\bar{N}}(2N+779)) + B_{\bar{N}}(2N+781 - B_{\bar{N}}(2N+778))$$

$$= B_{\bar{N}}(2N+781 - (2N-1512)) + B_{\bar{N}}(2N+781 - (N+1539)) + B_{\bar{N}}(2N+781 - (2N+778))$$

$$= B_{\bar{N}}(2293) + B_{\bar{N}}(N-758) + B_{\bar{N}}(3) = 2293 + (N-758) + 3 = N+1538$$

$$(N \ge 2293)$$

$$B_{\bar{N}}(2N+782) = B_{\bar{N}}(2N+782 - B_{\bar{N}}(2N+781)) + B_{\bar{N}}(2N+782 - B_{\bar{N}}(2N+780)) + B_{\bar{N}}(2N+782 - B_{\bar{N}}(2N+779))$$

$$= B_{\bar{N}}(2N+782 - (N+1538)) + B_{\bar{N}}(2N+782 - (2N-1512)) + B_{\bar{N}}(2N+782 - (N+1539))$$

$$= B_{\bar{N}}(N-756) + B_{\bar{N}}(2294) + B_{\bar{N}}(N-757) = (N-756) + 2294 + (N-757) = 2N+781$$

$$(N \ge 2294)$$

$$B_{\bar{N}}(2N+783) = B_{\bar{N}}(2N+783 - B_{\bar{N}}(2N+782)) + B_{\bar{N}}(2N+783 - B_{\bar{N}}(2N+781)) + B_{\bar{N}}(2N+783 - B_{\bar{N}}(2N+780)) = B_{\bar{N}}(2N+783 - (2N+781)) + B_{\bar{N}}(2N+783 - (N+1538)) + B_{\bar{N}}(2N+783 - (2N-1512)) = B_{\bar{N}}(2) + B_{\bar{N}}(N-755) + B_{\bar{N}}(2295) = 2 + (N-755) + 2295 = N+1542 (N \ge 2295)$$

$$B_{\bar{N}}(2N+784) = B_{\bar{N}}(2N+784-B_{\bar{N}}(2N+783)) + B_{\bar{N}}(2N+784-B_{\bar{N}}(2N+782)) + B_{\bar{N}}(2N+784-B_{\bar{N}}(2N+781))$$

$$= B_{\bar{N}}(2N+784-(N+1542)) + B_{\bar{N}}(2N+784-(2N+781)) + B_{\bar{N}}(2N+784-(N+1538))$$

$$= B_{\bar{N}}(N-758) + B_{\bar{N}}(3) + B_{\bar{N}}(N-754) = (N-758) + 3 + (N-754) = 2N-1509$$

$$(N \ge 759)$$

$$B_{\bar{N}}(2N+785) = B_{\bar{N}}(2N+785 - B_{\bar{N}}(2N+784)) + B_{\bar{N}}(2N+785 - B_{\bar{N}}(2N+783)) + B_{\bar{N}}(2N+785 - B_{\bar{N}}(2N+782))$$

$$= B_{\bar{N}}(2N+785 - (2N-1509)) + B_{\bar{N}}(2N+785 - (N+1542)) + B_{\bar{N}}(2N+785 - (2N+781))$$

$$= B_{\bar{N}}(2294) + B_{\bar{N}}(N-757) + B_{\bar{N}}(4) = 2294 + (N-757) + 4 = N+1541$$

$$(N \ge 2294)$$

$$B_{\bar{N}}(2N+786) = B_{\bar{N}}(2N+786 - B_{\bar{N}}(2N+785)) + B_{\bar{N}}(2N+786 - B_{\bar{N}}(2N+784)) + B_{\bar{N}}(2N+786 - B_{\bar{N}}(2N+783))$$

$$= B_{\bar{N}}(2N+786 - (N+1541)) + B_{\bar{N}}(2N+786 - (2N-1509)) + B_{\bar{N}}(2N+786 - (N+1542))$$

$$= B_{\bar{N}}(N-755) + B_{\bar{N}}(2295) + B_{\bar{N}}(N-756) = (N-755) + 2295 + (N-756) = 2N+784$$

$$(N \ge 2295)$$

$$B_{\bar{N}}(2N+787) = B_{\bar{N}}(2N+787 - B_{\bar{N}}(2N+786)) + B_{\bar{N}}(2N+787 - B_{\bar{N}}(2N+785)) + B_{\bar{N}}(2N+787 - B_{\bar{N}}(2N+784))$$

$$= B_{\bar{N}}(2N+787 - (2N+784)) + B_{\bar{N}}(2N+787 - (N+1541)) + B_{\bar{N}}(2N+787 - (2N-1509))$$

$$= B_{\bar{N}}(3) + B_{\bar{N}}(N-754) + B_{\bar{N}}(2296) = 3 + (N-754) + 2296 = N + 1545$$

$$(N > 2296)$$

$$B_{\bar{N}}(2N+788) = B_{\bar{N}}(2N+788-B_{\bar{N}}(2N+787)) + B_{\bar{N}}(2N+788-B_{\bar{N}}(2N+786)) + B_{\bar{N}}(2N+788-B_{\bar{N}}(2N+785))$$

$$= B_{\bar{N}}(2N+788-(N+1545)) + B_{\bar{N}}(2N+788-(2N+784)) + B_{\bar{N}}(2N+788-(N+1541))$$

$$= B_{\bar{N}}(N-757) + B_{\bar{N}}(4) + B_{\bar{N}}(N-753) = (N-757) + 4 + (N-753) = 2N-1506$$

$$(N \ge 758)$$

$$B_{\bar{N}}(2N+789) = B_{\bar{N}}(2N+789 - B_{\bar{N}}(2N+788)) + B_{\bar{N}}(2N+789 - B_{\bar{N}}(2N+787)) + B_{\bar{N}}(2N+789 - B_{\bar{N}}(2N+786))$$

$$= B_{\bar{N}}(2N+789 - (2N-1506)) + B_{\bar{N}}(2N+789 - (N+1545)) + B_{\bar{N}}(2N+789 - (2N+784))$$

$$= B_{\bar{N}}(2295) + B_{\bar{N}}(N-756) + B_{\bar{N}}(5) = 2295 + (N-756) + 5 = N+1544$$

$$(N \ge 2295)$$

$$B_{\bar{N}}(2N+790) = B_{\bar{N}}(2N+790 - B_{\bar{N}}(2N+789)) + B_{\bar{N}}(2N+790 - B_{\bar{N}}(2N+788)) + B_{\bar{N}}(2N+790 - B_{\bar{N}}(2N+787))$$

$$= B_{\bar{N}}(2N+790 - (N+1544)) + B_{\bar{N}}(2N+790 - (2N-1506)) + B_{\bar{N}}(2N+790 - (N+1545))$$

$$= B_{\bar{N}}(N-754) + B_{\bar{N}}(2296) + B_{\bar{N}}(N-755) = (N-754) + 2296 + (N-755) = 2N+787$$

$$(N \ge 2296)$$

$$B_{\bar{N}}(2N+791) = B_{\bar{N}}(2N+791 - B_{\bar{N}}(2N+790)) + B_{\bar{N}}(2N+791 - B_{\bar{N}}(2N+791) + B_{\bar{N}}(2N+791 - B_{\bar{N$$

$$B_{\bar{N}}(2N+792) = B_{\bar{N}}(2N+792 - B_{\bar{N}}(2N+791)) + B_{\bar{N}}(2N+792 - B_{\bar{N}}(2N+790)) + B_{\bar{N}}(2N+792 - B_{\bar{N}}(2N+789))$$

$$= B_{\bar{N}}(2N+792 - (N+1548)) + B_{\bar{N}}(2N+792 - (2N+787)) + B_{\bar{N}}(2N+792 - (N+1544))$$

$$= B_{\bar{N}}(N-756) + B_{\bar{N}}(5) + B_{\bar{N}}(N-752) = (N-756) + 5 + (N-752) = 2N - 1503$$

$$(N > 757)$$

$$B_{\bar{N}}(2N+793) = B_{\bar{N}}(2N+793 - B_{\bar{N}}(2N+792)) + B_{\bar{N}}(2N+793 - B_{\bar{N}}(2N+791)) + B_{\bar{N}}(2N+793 - B_{\bar{N}}(2N+790))$$

$$= B_{\bar{N}}(2N+793 - (2N-1503)) + B_{\bar{N}}(2N+793 - (N+1548)) + B_{\bar{N}}(2N+793 - (2N+787))$$

$$= B_{\bar{N}}(2296) + B_{\bar{N}}(N-755) + B_{\bar{N}}(6) = 2296 + (N-755) + 6 = N+1547$$

$$(N \ge 2296)$$

$$B_{\bar{N}}(2N+794) = B_{\bar{N}}(2N+794-B_{\bar{N}}(2N+793)) + B_{\bar{N}}(2N+794-B_{\bar{N}}(2N+792)) + B_{\bar{N}}(2N+794-B_{\bar{N}}(2N+791))$$

$$= B_{\bar{N}}(2N+794-(N+1547)) + B_{\bar{N}}(2N+794-(2N-1503)) + B_{\bar{N}}(2N+794-(N+1548))$$

$$= B_{\bar{N}}(N-753) + B_{\bar{N}}(2297) + B_{\bar{N}}(N-754) = (N-753) + 2297 + (N-754) = 2N+790$$

$$(N \ge 2297)$$

$$B_{\bar{N}}(2N+795) = B_{\bar{N}}(2N+795-B_{\bar{N}}(2N+794)) + B_{\bar{N}}(2N+795-B_{\bar{N}}(2N+793)) + B_{\bar{N}}(2N+795-B_{\bar{N}}(2N+792))$$

$$= B_{\bar{N}}(2N+795-(2N+790)) + B_{\bar{N}}(2N+795-(N+1547)) + B_{\bar{N}}(2N+795-(2N-1503))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N-752) + B_{\bar{N}}(2298) = 5 + (N-752) + 2298 = N+1551$$

$$(N \ge 2298)$$

$$B_{\bar{N}}(2N+796) = B_{\bar{N}}(2N+796 - B_{\bar{N}}(2N+795)) + B_{\bar{N}}(2N+796 - B_{\bar{N}}(2N+794)) + B_{\bar{N}}(2N+796 - B_{\bar{N}}(2N+793))$$

$$= B_{\bar{N}}(2N+796 - (N+1551)) + B_{\bar{N}}(2N+796 - (2N+790)) + B_{\bar{N}}(2N+796 - (N+1547))$$

$$= B_{\bar{N}}(N-755) + B_{\bar{N}}(6) + B_{\bar{N}}(N-751) = (N-755) + 6 + (N-751) = 2N-1500$$

$$(N \ge 756)$$

$$B_{\bar{N}}(2N+797) = B_{\bar{N}}(2N+797 - B_{\bar{N}}(2N+796)) + B_{\bar{N}}(2N+797 - B_{\bar{N}}(2N+795)) + B_{\bar{N}}(2N+797 - B_{\bar{N}}(2N+794))$$

$$= B_{\bar{N}}(2N+797 - (2N-1500)) + B_{\bar{N}}(2N+797 - (N+1551)) + B_{\bar{N}}(2N+797 - (2N+790))$$

$$= B_{\bar{N}}(2297) + B_{\bar{N}}(N-754) + B_{\bar{N}}(7) = 2297 + (N-754) + 7 = N + 1550$$

$$(N \ge 2297)$$

$$B_{\bar{N}}(2N+798) = B_{\bar{N}}(2N+798-B_{\bar{N}}(2N+797)) + B_{\bar{N}}(2N+798-B_{\bar{N}}(2N+796)) + B_{\bar{N}}(2N+798-B_{\bar{N}}(2N+795))$$

$$= B_{\bar{N}}(2N+798-(N+1550)) + B_{\bar{N}}(2N+798-(2N-1500)) + B_{\bar{N}}(2N+798-(N+1551))$$

$$= B_{\bar{N}}(N-752) + B_{\bar{N}}(2298) + B_{\bar{N}}(N-753) = (N-752) + 2298 + (N-753) = 2N+793$$

$$(N \ge 2298)$$

$$B_{\bar{N}}(2N+799) = B_{\bar{N}}(2N+799 - B_{\bar{N}}(2N+798)) + B_{\bar{N}}(2N+799 - B_{\bar{N}}(2N+797)) + B_{\bar{N}}(2N+799 - B_{\bar{N}}(2N+796))$$

$$= B_{\bar{N}}(2N+799 - (2N+793)) + B_{\bar{N}}(2N+799 - (N+1550)) + B_{\bar{N}}(2N+799 - (2N-1500))$$

$$= B_{\bar{N}}(6) + B_{\bar{N}}(N-751) + B_{\bar{N}}(2299) = 6 + (N-751) + 2299 = N + 1554$$

$$(N \ge 2299)$$

$$B_{\bar{N}}(2N+800) = B_{\bar{N}}(2N+800 - B_{\bar{N}}(2N+799)) + B_{\bar{N}}(2N+800 - B_{\bar{N}}(2N+798)) + B_{\bar{N}}(2N+800 - B_{\bar{N}}(2N+797))$$

$$= B_{\bar{N}}(2N+800 - (N+1554)) + B_{\bar{N}}(2N+800 - (2N+793)) + B_{\bar{N}}(2N+800 - (N+1550))$$

$$= B_{\bar{N}}(N-754) + B_{\bar{N}}(7) + B_{\bar{N}}(N-750) = (N-754) + 7 + (N-750) = 2N-1497$$

$$(N \ge 755)$$

$$B_{\bar{N}}(2N+801) = B_{\bar{N}}(2N+801 - B_{\bar{N}}(2N+800)) + B_{\bar{N}}(2N+801 - B_{\bar{N}}(2N+799)) + B_{\bar{N}}(2N+801 - B_{\bar{N}}(2N+798))$$

$$= B_{\bar{N}}(2N+801 - (2N-1497)) + B_{\bar{N}}(2N+801 - (N+1554)) + B_{\bar{N}}(2N+801 - (2N+793))$$

$$= B_{\bar{N}}(2298) + B_{\bar{N}}(N-753) + B_{\bar{N}}(8) = 2298 + (N-753) + 8 = N+1553$$

$$(N \ge 2298)$$

$$B_{\bar{N}}(2N+802) = B_{\bar{N}}(2N+802 - B_{\bar{N}}(2N+801)) + B_{\bar{N}}(2N+802 - B_{\bar{N}}(2N+800)) + B_{\bar{N}}(2N+802 - B_{\bar{N}}(2N+799))$$

$$= B_{\bar{N}}(2N+802 - (N+1553)) + B_{\bar{N}}(2N+802 - (2N-1497)) + B_{\bar{N}}(2N+802 - (N+1554))$$

$$= B_{\bar{N}}(N-751) + B_{\bar{N}}(2299) + B_{\bar{N}}(N-752) = (N-751) + 2299 + (N-752) = 2N+796$$

$$(N > 2299)$$

$$B_{\bar{N}}(2N+803) = B_{\bar{N}}(2N+803 - B_{\bar{N}}(2N+802)) + B_{\bar{N}}(2N+803 - B_{\bar{N}}(2N+801)) + B_{\bar{N}}(2N+803 - B_{\bar{N}}(2N+800))$$

$$= B_{\bar{N}}(2N+803 - (2N+796)) + B_{\bar{N}}(2N+803 - (N+1553)) + B_{\bar{N}}(2N+803 - (2N-1497))$$

$$= B_{\bar{N}}(7) + B_{\bar{N}}(N-750) + B_{\bar{N}}(2300) = 7 + (N-750) + 2300 = N + 1557$$

$$(N \ge 2300)$$

$$B_{\bar{N}}(2N+804) = B_{\bar{N}}(2N+804 - B_{\bar{N}}(2N+803)) + B_{\bar{N}}(2N+804 - B_{\bar{N}}(2N+802)) + B_{\bar{N}}(2N+804 - B_{\bar{N}}(2N+801))$$

$$= B_{\bar{N}}(2N+804 - (N+1557)) + B_{\bar{N}}(2N+804 - (2N+796)) + B_{\bar{N}}(2N+804 - (N+1553))$$

$$= B_{\bar{N}}(N-753) + B_{\bar{N}}(8) + B_{\bar{N}}(N-749) = (N-753) + 8 + (N-749) = 2N-1494$$

$$(N \ge 754)$$

$$B_{\bar{N}}(2N+805) = B_{\bar{N}}(2N+805 - B_{\bar{N}}(2N+804)) + B_{\bar{N}}(2N+805 - B_{\bar{N}}(2N+803)) + B_{\bar{N}}(2N+805 - B_{\bar{N}}(2N+802))$$

$$= B_{\bar{N}}(2N+805 - (2N-1494)) + B_{\bar{N}}(2N+805 - (N+1557)) + B_{\bar{N}}(2N+805 - (2N+796))$$

$$= B_{\bar{N}}(2299) + B_{\bar{N}}(N-752) + B_{\bar{N}}(9) = 2299 + (N-752) + 9 = N+1556$$

$$(N \ge 2299)$$

$$B_{\bar{N}}(2N+806) = B_{\bar{N}}(2N+806 - B_{\bar{N}}(2N+805)) + B_{\bar{N}}(2N+806 - B_{\bar{N}}(2N+804)) + B_{\bar{N}}(2N+806 - B_{\bar{N}}(2N+803))$$

$$= B_{\bar{N}}(2N+806 - (N+1556)) + B_{\bar{N}}(2N+806 - (2N-1494)) + B_{\bar{N}}(2N+806 - (N+1557))$$

$$= B_{\bar{N}}(N-750) + B_{\bar{N}}(2300) + B_{\bar{N}}(N-751) = (N-750) + 2300 + (N-751) = 2N+799$$

$$(N \ge 2300)$$

$$B_{\bar{N}}(2N+807) = B_{\bar{N}}(2N+807 - B_{\bar{N}}(2N+806)) + B_{\bar{N}}(2N+807 - B_{\bar{N}}(2N+805)) + B_{\bar{N}}(2N+807 - B_{\bar{N}}(2N+804))$$

$$= B_{\bar{N}}(2N+807 - (2N+799)) + B_{\bar{N}}(2N+807 - (N+1556)) + B_{\bar{N}}(2N+807 - (2N-1494))$$

$$= B_{\bar{N}}(8) + B_{\bar{N}}(N-749) + B_{\bar{N}}(2301) = 8 + (N-749) + 2301 = N + 1560$$

$$(N > 2301)$$

$$B_{\bar{N}}(2N+808) = B_{\bar{N}}(2N+808 - B_{\bar{N}}(2N+807)) + B_{\bar{N}}(2N+808 - B_{\bar{N}}(2N+806)) + B_{\bar{N}}(2N+808 - B_{\bar{N}}(2N+805))$$

$$= B_{\bar{N}}(2N+808 - (N+1560)) + B_{\bar{N}}(2N+808 - (2N+799)) + B_{\bar{N}}(2N+808 - (N+1556))$$

$$= B_{\bar{N}}(N-752) + B_{\bar{N}}(9) + B_{\bar{N}}(N-748) = (N-752) + 9 + (N-748) = 2N-1491$$

$$(N \ge 753)$$

$$B_{\bar{N}}(2N+809) = B_{\bar{N}}(2N+809 - B_{\bar{N}}(2N+808)) + B_{\bar{N}}(2N+809 - B_{\bar{N}}(2N+807)) + B_{\bar{N}}(2N+809 - B_{\bar{N}}(2N+806))$$

$$= B_{\bar{N}}(2N+809 - (2N-1491)) + B_{\bar{N}}(2N+809 - (N+1560)) + B_{\bar{N}}(2N+809 - (2N+799))$$

$$= B_{\bar{N}}(2300) + B_{\bar{N}}(N-751) + B_{\bar{N}}(10) = 2300 + (N-751) + 10 = N+1559$$

$$(N \ge 2300)$$

$$B_{\bar{N}}(2N+810) = B_{\bar{N}}(2N+810 - B_{\bar{N}}(2N+809)) + B_{\bar{N}}(2N+810 - B_{\bar{N}}(2N+808)) + B_{\bar{N}}(2N+810 - B_{\bar{N}}(2N+807))$$

$$= B_{\bar{N}}(2N+810 - (N+1559)) + B_{\bar{N}}(2N+810 - (2N-1491)) + B_{\bar{N}}(2N+810 - (N+1560))$$

$$= B_{\bar{N}}(N-749) + B_{\bar{N}}(2301) + B_{\bar{N}}(N-750) = (N-749) + 2301 + (N-750) = 2N+802$$

$$(N \ge 2301)$$

$$B_{\bar{N}}(2N+811) = B_{\bar{N}}(2N+811 - B_{\bar{N}}(2N+810)) + B_{\bar{N}}(2N+811 - B_{\bar{N}}(2N+809)) + B_{\bar{N}}(2N+811 - B_{\bar{N}}(2N+808))$$

$$= B_{\bar{N}}(2N+811 - (2N+802)) + B_{\bar{N}}(2N+811 - (N+1559)) + B_{\bar{N}}(2N+811 - (2N-1491))$$

$$= B_{\bar{N}}(9) + B_{\bar{N}}(N-748) + B_{\bar{N}}(2302) = 9 + (N-748) + 2302 = N + 1563$$

$$(N \ge 2302)$$

$$B_{\bar{N}}(2N+812) = B_{\bar{N}}(2N+812 - B_{\bar{N}}(2N+811)) + B_{\bar{N}}(2N+812 - B_{\bar{N}}(2N+810)) + B_{\bar{N}}(2N+812 - B_{\bar{N}}(2N+809))$$

$$= B_{\bar{N}}(2N+812 - (N+1563)) + B_{\bar{N}}(2N+812 - (2N+802)) + B_{\bar{N}}(2N+812 - (N+1559))$$

$$= B_{\bar{N}}(N-751) + B_{\bar{N}}(10) + B_{\bar{N}}(N-747) = (N-751) + 10 + (N-747) = 2N-1488$$

$$(N > 752)$$

$$B_{\bar{N}}(2N+813) = B_{\bar{N}}(2N+813-B_{\bar{N}}(2N+812)) + B_{\bar{N}}(2N+813-B_{\bar{N}}(2N+811)) + B_{\bar{N}}(2N+813-B_{\bar{N}}(2N+810)) + B_{\bar{N}}(2N+813-(2N+813-(N+1563)) + B_{\bar{N}}(2N+813-(2N+802)) + B_{\bar{N}}(2N+813-(N+1563)) + B_{\bar{N}}(2N+813-(2N+802)) + B_{\bar{N}}(2N+813) + B_{\bar{N}}(2N+813-(N+1563)) + B_{\bar{N}}(2N+813) + B_{\bar{N}}(2N+813) + B_{\bar{N}}(2N+813) + B_{\bar{N}}(2N+8$$

$$B_{\bar{N}}(2N+814) = B_{\bar{N}}(2N+814 - B_{\bar{N}}(2N+813)) + B_{\bar{N}}(2N+814 - B_{\bar{N}}(2N+812)) + B_{\bar{N}}(2N+814 - B_{\bar{N}}(2N+811))$$

$$= B_{\bar{N}}(2N+814 - (N+1562)) + B_{\bar{N}}(2N+814 - (2N-1488)) + B_{\bar{N}}(2N+814 - (N+1563))$$

$$= B_{\bar{N}}(N-748) + B_{\bar{N}}(2302) + B_{\bar{N}}(N-749) = (N-748) + 2302 + (N-749) = 2N+805$$

$$(N \ge 2302)$$

$$B_{\bar{N}}(2N+815) = B_{\bar{N}}(2N+815 - B_{\bar{N}}(2N+814)) + B_{\bar{N}}(2N+815 - B_{\bar{N}}(2N+813)) + B_{\bar{N}}(2N+815 - B_{\bar{N}}(2N+812))$$

$$= B_{\bar{N}}(2N+815 - (2N+805)) + B_{\bar{N}}(2N+815 - (N+1562)) + B_{\bar{N}}(2N+815 - (2N-1488))$$

$$= B_{\bar{N}}(10) + B_{\bar{N}}(N-747) + B_{\bar{N}}(2303) = 10 + (N-747) + 2303 = N + 1566$$

$$(N \ge 2303)$$

$$B_{\bar{N}}(2N+816) = B_{\bar{N}}(2N+816 - B_{\bar{N}}(2N+815)) + B_{\bar{N}}(2N+816 - B_{\bar{N}}(2N+814)) + B_{\bar{N}}(2N+816 - B_{\bar{N}}(2N+813))$$

$$= B_{\bar{N}}(2N+816 - (N+1566)) + B_{\bar{N}}(2N+816 - (2N+805)) + B_{\bar{N}}(2N+816 - (N+1562))$$

$$= B_{\bar{N}}(N-750) + B_{\bar{N}}(11) + B_{\bar{N}}(N-746) = (N-750) + 11 + (N-746) = 2N-1485$$

$$(N \ge 751)$$

$$B_{\bar{N}}(2N+817) = B_{\bar{N}}(2N+817 - B_{\bar{N}}(2N+816)) + B_{\bar{N}}(2N+817 - B_{\bar{N}}(2N+815)) + B_{\bar{N}}(2N+817 - B_{\bar{N}}(2N+814))$$

$$= B_{\bar{N}}(2N+817 - (2N-1485)) + B_{\bar{N}}(2N+817 - (N+1566)) + B_{\bar{N}}(2N+817 - (2N+805))$$

$$= B_{\bar{N}}(2302) + B_{\bar{N}}(N-749) + B_{\bar{N}}(12) = 2302 + (N-749) + 12 = N + 1565$$

$$(N > 2302)$$

$$B_{\bar{N}}(2N+818) = B_{\bar{N}}(2N+818 - B_{\bar{N}}(2N+817)) + B_{\bar{N}}(2N+818 - B_{\bar{N}}(2N+816)) + B_{\bar{N}}(2N+818 - B_{\bar{N}}(2N+815))$$

$$= B_{\bar{N}}(2N+818 - (N+1565)) + B_{\bar{N}}(2N+818 - (2N-1485)) + B_{\bar{N}}(2N+818 - (N+1566))$$

$$= B_{\bar{N}}(N-747) + B_{\bar{N}}(2303) + B_{\bar{N}}(N-748) = (N-747) + 2303 + (N-748) = 2N+808$$

$$(N \ge 2303)$$

$$B_{\bar{N}}(2N+819) = B_{\bar{N}}(2N+819 - B_{\bar{N}}(2N+818)) + B_{\bar{N}}(2N+819 - B_{\bar{N}}(2N+817)) + B_{\bar{N}}(2N+819 - B_{\bar{N}}(2N+816))$$

$$= B_{\bar{N}}(2N+819 - (2N+808)) + B_{\bar{N}}(2N+819 - (N+1565)) + B_{\bar{N}}(2N+819 - (2N-1485))$$

$$= B_{\bar{N}}(11) + B_{\bar{N}}(N-746) + B_{\bar{N}}(2304) = 11 + (N-746) + 2304 = N + 1569$$

$$(N \ge 2304)$$

$$B_{\bar{N}}(2N+820) = B_{\bar{N}}(2N+820 - B_{\bar{N}}(2N+819)) + B_{\bar{N}}(2N+820 - B_{\bar{N}}(2N+818)) + B_{\bar{N}}(2N+820 - B_{\bar{N}}(2N+817))$$

$$= B_{\bar{N}}(2N+820 - (N+1569)) + B_{\bar{N}}(2N+820 - (2N+808)) + B_{\bar{N}}(2N+820 - (N+1565))$$

$$= B_{\bar{N}}(N-749) + B_{\bar{N}}(12) + B_{\bar{N}}(N-745) = (N-749) + 12 + (N-745) = 2N-1482$$

$$(N \ge 750)$$

$$B_{\bar{N}}(2N+821) = B_{\bar{N}}(2N+821 - B_{\bar{N}}(2N+820)) + B_{\bar{N}}(2N+821 - B_{\bar{N}}(2N+819)) + B_{\bar{N}}(2N+821 - B_{\bar{N}}(2N+818))$$

$$= B_{\bar{N}}(2N+821 - (2N-1482)) + B_{\bar{N}}(2N+821 - (N+1569)) + B_{\bar{N}}(2N+821 - (2N+808))$$

$$= B_{\bar{N}}(2303) + B_{\bar{N}}(N-748) + B_{\bar{N}}(13) = 2303 + (N-748) + 13 = N + 1568$$

$$(N \ge 2303)$$

$$B_{\bar{N}}(2N+822) = B_{\bar{N}}(2N+822 - B_{\bar{N}}(2N+821)) + B_{\bar{N}}(2N+822 - B_{\bar{N}}(2N+820)) + B_{\bar{N}}(2N+822 - B_{\bar{N}}(2N+819))$$

$$= B_{\bar{N}}(2N+822 - (N+1568)) + B_{\bar{N}}(2N+822 - (2N-1482)) + B_{\bar{N}}(2N+822 - (N+1569))$$

$$= B_{\bar{N}}(N-746) + B_{\bar{N}}(2304) + B_{\bar{N}}(N-747) = (N-746) + 2304 + (N-747) = 2N+811$$

$$(N \ge 2304)$$

$$B_{\bar{N}}(2N+823) = B_{\bar{N}}(2N+823 - B_{\bar{N}}(2N+822)) + B_{\bar{N}}(2N+823 - B_{\bar{N}}(2N+821)) + B_{\bar{N}}(2N+823 - B_{\bar{N}}(2N+820))$$

$$= B_{\bar{N}}(2N+823 - (2N+811)) + B_{\bar{N}}(2N+823 - (N+1568)) + B_{\bar{N}}(2N+823 - (2N-1482))$$

$$= B_{\bar{N}}(12) + B_{\bar{N}}(N-745) + B_{\bar{N}}(2305) = 12 + (N-745) + 2305 = N+1572$$

$$(N \ge 2305)$$

$$B_{\bar{N}}(2N+824) = B_{\bar{N}}(2N+824 - B_{\bar{N}}(2N+823)) + B_{\bar{N}}(2N+824 - B_{\bar{N}}(2N+822)) + B_{\bar{N}}(2N+824 - B_{\bar{N}}(2N+821))$$

$$= B_{\bar{N}}(2N+824 - (N+1572)) + B_{\bar{N}}(2N+824 - (2N+811)) + B_{\bar{N}}(2N+824 - (N+1568))$$

$$= B_{\bar{N}}(N-748) + B_{\bar{N}}(13) + B_{\bar{N}}(N-744) = (N-748) + 13 + (N-744) = 2N-1479$$

$$(N \ge 749)$$

$$B_{\bar{N}}(2N+825) = B_{\bar{N}}(2N+825 - B_{\bar{N}}(2N+824)) + B_{\bar{N}}(2N+825 - B_{\bar{N}}(2N+823)) + B_{\bar{N}}(2N+825 - B_{\bar{N}}(2N+822))$$

$$= B_{\bar{N}}(2N+825 - (2N-1479)) + B_{\bar{N}}(2N+825 - (N+1572)) + B_{\bar{N}}(2N+825 - (2N+811))$$

$$= B_{\bar{N}}(2304) + B_{\bar{N}}(N-747) + B_{\bar{N}}(14) = 2304 + (N-747) + 14 = N + 1571$$

$$(N \ge 2304)$$

$$B_{\bar{N}}(2N+826) = B_{\bar{N}}(2N+826 - B_{\bar{N}}(2N+825)) + B_{\bar{N}}(2N+826 - B_{\bar{N}}(2N+824)) + B_{\bar{N}}(2N+826 - B_{\bar{N}}(2N+823))$$

$$= B_{\bar{N}}(2N+826 - (N+1571)) + B_{\bar{N}}(2N+826 - (2N-1479)) + B_{\bar{N}}(2N+826 - (N+1572))$$

$$= B_{\bar{N}}(N-745) + B_{\bar{N}}(2305) + B_{\bar{N}}(N-746) = (N-745) + 2305 + (N-746) = 2N+814$$

$$(N \ge 2305)$$

$$B_{\bar{N}}(2N+827) = B_{\bar{N}}(2N+827 - B_{\bar{N}}(2N+826)) + B_{\bar{N}}(2N+827 - B_{\bar{N}}(2N+825)) + B_{\bar{N}}(2N+827 - B_{\bar{N}}(2N+824))$$

$$= B_{\bar{N}}(2N+827 - (2N+814)) + B_{\bar{N}}(2N+827 - (N+1571)) + B_{\bar{N}}(2N+827 - (2N-1479))$$

$$= B_{\bar{N}}(13) + B_{\bar{N}}(N-744) + B_{\bar{N}}(2306) = 13 + (N-744) + 2306 = N+1575$$

$$(N > 2306)$$

$$B_{\bar{N}}(2N+828) = B_{\bar{N}}(2N+828 - B_{\bar{N}}(2N+827)) + B_{\bar{N}}(2N+828 - B_{\bar{N}}(2N+826)) + B_{\bar{N}}(2N+828 - B_{\bar{N}}(2N+825))$$

$$= B_{\bar{N}}(2N+828 - (N+1575)) + B_{\bar{N}}(2N+828 - (2N+814)) + B_{\bar{N}}(2N+828 - (N+1571))$$

$$= B_{\bar{N}}(N-747) + B_{\bar{N}}(14) + B_{\bar{N}}(N-743) = (N-747) + 14 + (N-743) = 2N-1476$$

$$(N \ge 748)$$

$$B_{\bar{N}}(2N+829) = B_{\bar{N}}(2N+829 - B_{\bar{N}}(2N+828)) + B_{\bar{N}}(2N+829 - B_{\bar{N}}(2N+827)) + B_{\bar{N}}(2N+829 - B_{\bar{N}}(2N+826))$$

$$= B_{\bar{N}}(2N+829 - (2N-1476)) + B_{\bar{N}}(2N+829 - (N+1575)) + B_{\bar{N}}(2N+829 - (2N+814))$$

$$= B_{\bar{N}}(2305) + B_{\bar{N}}(N-746) + B_{\bar{N}}(15) = 2305 + (N-746) + 15 = N + 1574$$

$$(N \ge 2305)$$

$$B_{\bar{N}}(2N+830) = B_{\bar{N}}(2N+830 - B_{\bar{N}}(2N+829)) + B_{\bar{N}}(2N+830 - B_{\bar{N}}(2N+828)) + B_{\bar{N}}(2N+830 - B_{\bar{N}}(2N+827))$$

$$= B_{\bar{N}}(2N+830 - (N+1574)) + B_{\bar{N}}(2N+830 - (2N-1476)) + B_{\bar{N}}(2N+830 - (N+1575))$$

$$= B_{\bar{N}}(N-744) + B_{\bar{N}}(2306) + B_{\bar{N}}(N-745) = (N-744) + 2306 + (N-745) = 2N+817$$

$$(N \ge 2306)$$

$$B_{\bar{N}}(2N+831) = B_{\bar{N}}(2N+831 - B_{\bar{N}}(2N+830)) + B_{\bar{N}}(2N+831 - B_{\bar{N}}(2N+829)) + B_{\bar{N}}(2N+831 - B_{\bar{N}}(2N+828))$$

$$= B_{\bar{N}}(2N+831 - (2N+817)) + B_{\bar{N}}(2N+831 - (N+1574)) + B_{\bar{N}}(2N+831 - (2N-1476))$$

$$= B_{\bar{N}}(14) + B_{\bar{N}}(N-743) + B_{\bar{N}}(2307) = 14 + (N-743) + 2307 = N + 1578$$

$$(N \ge 2307)$$

$$B_{\bar{N}}(2N+832) = B_{\bar{N}}(2N+832 - B_{\bar{N}}(2N+831)) + B_{\bar{N}}(2N+832 - B_{\bar{N}}(2N+830)) + B_{\bar{N}}(2N+832 - B_{\bar{N}}(2N+829))$$

$$= B_{\bar{N}}(2N+832 - (N+1578)) + B_{\bar{N}}(2N+832 - (2N+817)) + B_{\bar{N}}(2N+832 - (N+1574))$$

$$= B_{\bar{N}}(N-746) + B_{\bar{N}}(15) + B_{\bar{N}}(N-742) = (N-746) + 15 + (N-742) = 2N-1473$$

$$(N > 747)$$

$$B_{\bar{N}}(2N+833) = B_{\bar{N}}(2N+833-B_{\bar{N}}(2N+832)) + B_{\bar{N}}(2N+833-B_{\bar{N}}(2N+831)) + B_{\bar{N}}(2N+833-B_{\bar{N}}(2N+830)) + B_{\bar{N}}(2N+833-(2N-1473)) + B_{\bar{N}}(2N+833-(N+1578)) + B_{\bar{N}}(2N+833-(2N+817)) + B_{\bar{N}}(2N+817) + B_{\bar{N}}(2N+817$$

$$B_{\bar{N}}(2N+834) = B_{\bar{N}}(2N+834 - B_{\bar{N}}(2N+833)) + B_{\bar{N}}(2N+834 - B_{\bar{N}}(2N+832)) + B_{\bar{N}}(2N+834 - B_{\bar{N}}(2N+831))$$

$$= B_{\bar{N}}(2N+834 - (N+1577)) + B_{\bar{N}}(2N+834 - (2N-1473)) + B_{\bar{N}}(2N+834 - (N+1578))$$

$$= B_{\bar{N}}(N-743) + B_{\bar{N}}(2307) + B_{\bar{N}}(N-744) = (N-743) + 2307 + (N-744) = 2N+820$$

$$(N \ge 2307)$$

$$B_{\bar{N}}(2N+835) = B_{\bar{N}}(2N+835 - B_{\bar{N}}(2N+834)) + B_{\bar{N}}(2N+835 - B_{\bar{N}}(2N+833)) + B_{\bar{N}}(2N+835 - B_{\bar{N}}(2N+832))$$

$$= B_{\bar{N}}(2N+835 - (2N+820)) + B_{\bar{N}}(2N+835 - (N+1577)) + B_{\bar{N}}(2N+835 - (2N-1473))$$

$$= B_{\bar{N}}(15) + B_{\bar{N}}(N-742) + B_{\bar{N}}(2308) = 15 + (N-742) + 2308 = N + 1581$$

$$(N \ge 2308)$$

$$B_{\bar{N}}(2N+836) = B_{\bar{N}}(2N+836 - B_{\bar{N}}(2N+835)) + B_{\bar{N}}(2N+836 - B_{\bar{N}}(2N+834)) + B_{\bar{N}}(2N+836 - B_{\bar{N}}(2N+833))$$

$$= B_{\bar{N}}(2N+836 - (N+1581)) + B_{\bar{N}}(2N+836 - (2N+820)) + B_{\bar{N}}(2N+836 - (N+1577))$$

$$= B_{\bar{N}}(N-745) + B_{\bar{N}}(16) + B_{\bar{N}}(N-741) = (N-745) + 16 + (N-741) = 2N-1470$$

$$(N \ge 746)$$

$$B_{\bar{N}}(2N+837) = B_{\bar{N}}(2N+837 - B_{\bar{N}}(2N+836)) + B_{\bar{N}}(2N+837 - B_{\bar{N}}(2N+835)) + B_{\bar{N}}(2N+837 - B_{\bar{N}}(2N+834))$$

$$= B_{\bar{N}}(2N+837 - (2N-1470)) + B_{\bar{N}}(2N+837 - (N+1581)) + B_{\bar{N}}(2N+837 - (2N+820))$$

$$= B_{\bar{N}}(2307) + B_{\bar{N}}(N-744) + B_{\bar{N}}(17) = 2307 + (N-744) + 17 = N + 1580$$

$$(N \ge 2307)$$

$$B_{\bar{N}}(2N+838) = B_{\bar{N}}(2N+838 - B_{\bar{N}}(2N+837)) + B_{\bar{N}}(2N+838 - B_{\bar{N}}(2N+836)) + B_{\bar{N}}(2N+838 - B_{\bar{N}}(2N+835))$$

$$= B_{\bar{N}}(2N+838 - (N+1580)) + B_{\bar{N}}(2N+838 - (2N-1470)) + B_{\bar{N}}(2N+838 - (N+1581))$$

$$= B_{\bar{N}}(N-742) + B_{\bar{N}}(2308) + B_{\bar{N}}(N-743) = (N-742) + 2308 + (N-743) = 2N+823$$

$$(N \ge 2308)$$

$$B_{\bar{N}}(2N+839) = B_{\bar{N}}(2N+839 - B_{\bar{N}}(2N+838)) + B_{\bar{N}}(2N+839 - B_{\bar{N}}(2N+837)) + B_{\bar{N}}(2N+839 - B_{\bar{N}}(2N+836))$$

$$= B_{\bar{N}}(2N+839 - (2N+823)) + B_{\bar{N}}(2N+839 - (N+1580)) + B_{\bar{N}}(2N+839 - (2N-1470))$$

$$= B_{\bar{N}}(16) + B_{\bar{N}}(N-741) + B_{\bar{N}}(2309) = 16 + (N-741) + 2309 = N + 1584$$

$$(N \ge 2309)$$

$$B_{\bar{N}}(2N+840) = B_{\bar{N}}(2N+840 - B_{\bar{N}}(2N+839)) + B_{\bar{N}}(2N+840 - B_{\bar{N}}(2N+838)) + B_{\bar{N}}(2N+840 - B_{\bar{N}}(2N+837))$$

$$= B_{\bar{N}}(2N+840 - (N+1584)) + B_{\bar{N}}(2N+840 - (2N+823)) + B_{\bar{N}}(2N+840 - (N+1580))$$

$$= B_{\bar{N}}(N-744) + B_{\bar{N}}(17) + B_{\bar{N}}(N-740) = (N-744) + 17 + (N-740) = 2N-1467$$

$$(N \ge 745)$$

$$B_{\bar{N}}(2N+841) = B_{\bar{N}}(2N+841 - B_{\bar{N}}(2N+840)) + B_{\bar{N}}(2N+841 - B_{\bar{N}}(2N+839)) + B_{\bar{N}}(2N+841 - B_{\bar{N}}(2N+838))$$

$$= B_{\bar{N}}(2N+841 - (2N-1467)) + B_{\bar{N}}(2N+841 - (N+1584)) + B_{\bar{N}}(2N+841 - (2N+823))$$

$$= B_{\bar{N}}(2308) + B_{\bar{N}}(N-743) + B_{\bar{N}}(18) = 2308 + (N-743) + 18 = N + 1583$$

$$(N \ge 2308)$$

$$B_{\bar{N}}(2N+842) = B_{\bar{N}}(2N+842 - B_{\bar{N}}(2N+841)) + B_{\bar{N}}(2N+842 - B_{\bar{N}}(2N+840)) + B_{\bar{N}}(2N+842 - B_{\bar{N}}(2N+839))$$

$$= B_{\bar{N}}(2N+842 - (N+1583)) + B_{\bar{N}}(2N+842 - (2N-1467)) + B_{\bar{N}}(2N+842 - (N+1584))$$

$$= B_{\bar{N}}(N-741) + B_{\bar{N}}(2309) + B_{\bar{N}}(N-742) = (N-741) + 2309 + (N-742) = 2N+826$$

$$(N > 2309)$$

$$B_{\bar{N}}(2N+843) = B_{\bar{N}}(2N+843 - B_{\bar{N}}(2N+842)) + B_{\bar{N}}(2N+843 - B_{\bar{N}}(2N+841)) + B_{\bar{N}}(2N+843 - B_{\bar{N}}(2N+840))$$

$$= B_{\bar{N}}(2N+843 - (2N+826)) + B_{\bar{N}}(2N+843 - (N+1583)) + B_{\bar{N}}(2N+843 - (2N-1467))$$

$$= B_{\bar{N}}(17) + B_{\bar{N}}(N-740) + B_{\bar{N}}(2310) = 17 + (N-740) + 2310 = N + 1587$$

$$(N \ge 2310)$$

$$B_{\bar{N}}(2N+844) = B_{\bar{N}}(2N+844 - B_{\bar{N}}(2N+843)) + B_{\bar{N}}(2N+844 - B_{\bar{N}}(2N+842)) + B_{\bar{N}}(2N+844 - B_{\bar{N}}(2N+841))$$

$$= B_{\bar{N}}(2N+844 - (N+1587)) + B_{\bar{N}}(2N+844 - (2N+826)) + B_{\bar{N}}(2N+844 - (N+1583))$$

$$= B_{\bar{N}}(N-743) + B_{\bar{N}}(18) + B_{\bar{N}}(N-739) = (N-743) + 18 + (N-739) = 2N-1464$$

$$(N \ge 744)$$

$$B_{\bar{N}}(2N+845) = B_{\bar{N}}(2N+845 - B_{\bar{N}}(2N+844)) + B_{\bar{N}}(2N+845 - B_{\bar{N}}(2N+843)) + B_{\bar{N}}(2N+845 - B_{\bar{N}}(2N+842))$$

$$= B_{\bar{N}}(2N+845 - (2N-1464)) + B_{\bar{N}}(2N+845 - (N+1587)) + B_{\bar{N}}(2N+845 - (2N+826))$$

$$= B_{\bar{N}}(2309) + B_{\bar{N}}(N-742) + B_{\bar{N}}(19) = 2309 + (N-742) + 19 = N + 1586$$

$$(N \ge 2309)$$

$$B_{\bar{N}}(2N+846) = B_{\bar{N}}(2N+846 - B_{\bar{N}}(2N+845)) + B_{\bar{N}}(2N+846 - B_{\bar{N}}(2N+844)) + B_{\bar{N}}(2N+846 - B_{\bar{N}}(2N+843))$$

$$= B_{\bar{N}}(2N+846 - (N+1586)) + B_{\bar{N}}(2N+846 - (2N-1464)) + B_{\bar{N}}(2N+846 - (N+1587))$$

$$= B_{\bar{N}}(N-740) + B_{\bar{N}}(2310) + B_{\bar{N}}(N-741) = (N-740) + 2310 + (N-741) = 2N+829$$

$$(N \ge 2310)$$

$$B_{\bar{N}}(2N+847) = B_{\bar{N}}(2N+847 - B_{\bar{N}}(2N+846)) + B_{\bar{N}}(2N+847 - B_{\bar{N}}(2N+845)) + B_{\bar{N}}(2N+847 - B_{\bar{N}}(2N+844))$$

$$= B_{\bar{N}}(2N+847 - (2N+829)) + B_{\bar{N}}(2N+847 - (N+1586)) + B_{\bar{N}}(2N+847 - (2N-1464))$$

$$= B_{\bar{N}}(18) + B_{\bar{N}}(N-739) + B_{\bar{N}}(2311) = 18 + (N-739) + 2311 = N + 1590$$

$$(N > 2311)$$

$$B_{\bar{N}}(2N+848) = B_{\bar{N}}(2N+848 - B_{\bar{N}}(2N+847)) + B_{\bar{N}}(2N+848 - B_{\bar{N}}(2N+846)) + B_{\bar{N}}(2N+848 - B_{\bar{N}}(2N+845))$$

$$= B_{\bar{N}}(2N+848 - (N+1590)) + B_{\bar{N}}(2N+848 - (2N+829)) + B_{\bar{N}}(2N+848 - (N+1586))$$

$$= B_{\bar{N}}(N-742) + B_{\bar{N}}(19) + B_{\bar{N}}(N-738) = (N-742) + 19 + (N-738) = 2N-1461$$

$$(N \ge 743)$$

$$B_{\bar{N}}(2N+849) = B_{\bar{N}}(2N+849 - B_{\bar{N}}(2N+848)) + B_{\bar{N}}(2N+849 - B_{\bar{N}}(2N+847)) + B_{\bar{N}}(2N+849 - B_{\bar{N}}(2N+849))$$

$$= B_{\bar{N}}(2N+849 - (2N-1461)) + B_{\bar{N}}(2N+849 - (N+1590)) + B_{\bar{N}}(2N+849 - (2N+829))$$

$$= B_{\bar{N}}(2310) + B_{\bar{N}}(N-741) + B_{\bar{N}}(20) = 2310 + (N-741) + 20 = N+1589$$

$$(N \ge 2310)$$

$$B_{\bar{N}}(2N+850) = B_{\bar{N}}(2N+850 - B_{\bar{N}}(2N+849)) + B_{\bar{N}}(2N+850 - B_{\bar{N}}(2N+848)) + B_{\bar{N}}(2N+850 - B_{\bar{N}}(2N+847))$$

$$= B_{\bar{N}}(2N+850 - (N+1589)) + B_{\bar{N}}(2N+850 - (2N-1461)) + B_{\bar{N}}(2N+850 - (N+1590))$$

$$= B_{\bar{N}}(N-739) + B_{\bar{N}}(2311) + B_{\bar{N}}(N-740) = (N-739) + 2311 + (N-740) = 2N+832$$

$$(N \ge 2311)$$

$$B_{\bar{N}}(2N+851) = B_{\bar{N}}(2N+851 - B_{\bar{N}}(2N+850)) + B_{\bar{N}}(2N+851 - B_{\bar{N}}(2N+849)) + B_{\bar{N}}(2N+851 - B_{\bar{N}}(2N+848))$$

$$= B_{\bar{N}}(2N+851 - (2N+832)) + B_{\bar{N}}(2N+851 - (N+1589)) + B_{\bar{N}}(2N+851 - (2N-1461))$$

$$= B_{\bar{N}}(19) + B_{\bar{N}}(N-738) + B_{\bar{N}}(2312) = 19 + (N-738) + 2312 = N + 1593$$

$$(N \ge 2312)$$

$$B_{\bar{N}}(2N+852) = B_{\bar{N}}(2N+852 - B_{\bar{N}}(2N+851)) + B_{\bar{N}}(2N+852 - B_{\bar{N}}(2N+850)) + B_{\bar{N}}(2N+852 - B_{\bar{N}}(2N+849))$$

$$= B_{\bar{N}}(2N+852 - (N+1593)) + B_{\bar{N}}(2N+852 - (2N+832)) + B_{\bar{N}}(2N+852 - (N+1589))$$

$$= B_{\bar{N}}(N-741) + B_{\bar{N}}(20) + B_{\bar{N}}(N-737) = (N-741) + 20 + (N-737) = 2N-1458$$

$$(N > 742)$$

$$B_{\bar{N}}(2N+853) = B_{\bar{N}}(2N+853 - B_{\bar{N}}(2N+852)) + B_{\bar{N}}(2N+853 - B_{\bar{N}}(2N+851)) + B_{\bar{N}}(2N+853 - B_{\bar{N}}(2N+850))$$

$$= B_{\bar{N}}(2N+853 - (2N-1458)) + B_{\bar{N}}(2N+853 - (N+1593)) + B_{\bar{N}}(2N+853 - (2N+832))$$

$$= B_{\bar{N}}(2311) + B_{\bar{N}}(N-740) + B_{\bar{N}}(21) = 2311 + (N-740) + 21 = N + 1592$$

$$(N \ge 2311)$$

$$B_{\bar{N}}(2N+854) = B_{\bar{N}}(2N+854 - B_{\bar{N}}(2N+853)) + B_{\bar{N}}(2N+854 - B_{\bar{N}}(2N+852)) + B_{\bar{N}}(2N+854 - B_{\bar{N}}(2N+851))$$

$$= B_{\bar{N}}(2N+854 - (N+1592)) + B_{\bar{N}}(2N+854 - (2N-1458)) + B_{\bar{N}}(2N+854 - (N+1593))$$

$$= B_{\bar{N}}(N-738) + B_{\bar{N}}(2312) + B_{\bar{N}}(N-739) = (N-738) + 2312 + (N-739) = 2N+835$$

$$(N \ge 2312)$$

$$B_{\bar{N}}(2N+855) = B_{\bar{N}}(2N+855 - B_{\bar{N}}(2N+854)) + B_{\bar{N}}(2N+855 - B_{\bar{N}}(2N+853)) + B_{\bar{N}}(2N+855 - B_{\bar{N}}(2N+852))$$

$$= B_{\bar{N}}(2N+855 - (2N+835)) + B_{\bar{N}}(2N+855 - (N+1592)) + B_{\bar{N}}(2N+855 - (2N-1458))$$

$$= B_{\bar{N}}(20) + B_{\bar{N}}(N-737) + B_{\bar{N}}(2313) = 20 + (N-737) + 2313 = N + 1596$$

$$(N \ge 2313)$$

$$B_{\bar{N}}(2N+856) = B_{\bar{N}}(2N+856 - B_{\bar{N}}(2N+855)) + B_{\bar{N}}(2N+856 - B_{\bar{N}}(2N+854)) + B_{\bar{N}}(2N+856 - B_{\bar{N}}(2N+853))$$

$$= B_{\bar{N}}(2N+856 - (N+1596)) + B_{\bar{N}}(2N+856 - (2N+835)) + B_{\bar{N}}(2N+856 - (N+1592))$$

$$= B_{\bar{N}}(N-740) + B_{\bar{N}}(21) + B_{\bar{N}}(N-736) = (N-740) + 21 + (N-736) = 2N-1455$$

$$(N \ge 741)$$

$$B_{\bar{N}}(2N+857) = B_{\bar{N}}(2N+857 - B_{\bar{N}}(2N+856)) + B_{\bar{N}}(2N+857 - B_{\bar{N}}(2N+857)) + B_{\bar{N}}(2N+857 - B_{\bar{N}}(2N+854))$$

$$= B_{\bar{N}}(2N+857 - (2N-1455)) + B_{\bar{N}}(2N+857 - (N+1596)) + B_{\bar{N}}(2N+857 - (2N+835))$$

$$= B_{\bar{N}}(2312) + B_{\bar{N}}(N-739) + B_{\bar{N}}(22) = 2312 + (N-739) + 22 = N + 1595$$

$$(N > 2312)$$

$$B_{\bar{N}}(2N+858) = B_{\bar{N}}(2N+858 - B_{\bar{N}}(2N+857)) + B_{\bar{N}}(2N+858 - B_{\bar{N}}(2N+856)) + B_{\bar{N}}(2N+858 - B_{\bar{N}}(2N+855))$$

$$= B_{\bar{N}}(2N+858 - (N+1595)) + B_{\bar{N}}(2N+858 - (2N-1455)) + B_{\bar{N}}(2N+858 - (N+1596))$$

$$= B_{\bar{N}}(N-737) + B_{\bar{N}}(2313) + B_{\bar{N}}(N-738) = (N-737) + 2313 + (N-738) = 2N+838$$

$$(N \ge 2313)$$

$$B_{\bar{N}}(2N+859) = B_{\bar{N}}(2N+859 - B_{\bar{N}}(2N+858)) + B_{\bar{N}}(2N+859 - B_{\bar{N}}(2N+857)) + B_{\bar{N}}(2N+859 - B_{\bar{N}}(2N+856))$$

$$= B_{\bar{N}}(2N+859 - (2N+838)) + B_{\bar{N}}(2N+859 - (N+1595)) + B_{\bar{N}}(2N+859 - (2N-1455))$$

$$= B_{\bar{N}}(21) + B_{\bar{N}}(N-736) + B_{\bar{N}}(2314) = 21 + (N-736) + 2314 = N + 1599$$

$$(N \ge 2314)$$

$$B_{\bar{N}}(2N+860) = B_{\bar{N}}(2N+860 - B_{\bar{N}}(2N+859)) + B_{\bar{N}}(2N+860 - B_{\bar{N}}(2N+858)) + B_{\bar{N}}(2N+860 - B_{\bar{N}}(2N+857))$$

$$= B_{\bar{N}}(2N+860 - (N+1599)) + B_{\bar{N}}(2N+860 - (2N+838)) + B_{\bar{N}}(2N+860 - (N+1595))$$

$$= B_{\bar{N}}(N-739) + B_{\bar{N}}(22) + B_{\bar{N}}(N-735) = (N-739) + 22 + (N-735) = 2N-1452$$

$$(N \ge 740)$$

$$B_{\bar{N}}(2N+861) = B_{\bar{N}}(2N+861 - B_{\bar{N}}(2N+860)) + B_{\bar{N}}(2N+861 - B_{\bar{N}}(2N+859)) + B_{\bar{N}}(2N+861 - B_{\bar{N}}(2N+858))$$

$$= B_{\bar{N}}(2N+861 - (2N-1452)) + B_{\bar{N}}(2N+861 - (N+1599)) + B_{\bar{N}}(2N+861 - (2N+838))$$

$$= B_{\bar{N}}(2313) + B_{\bar{N}}(N-738) + B_{\bar{N}}(23) = 2313 + (N-738) + 23 = N + 1598$$

$$(N \ge 2313)$$

$$B_{\bar{N}}(2N+862) = B_{\bar{N}}(2N+862 - B_{\bar{N}}(2N+861)) + B_{\bar{N}}(2N+862 - B_{\bar{N}}(2N+860)) + B_{\bar{N}}(2N+862 - B_{\bar{N}}(2N+859))$$

$$= B_{\bar{N}}(2N+862 - (N+1598)) + B_{\bar{N}}(2N+862 - (2N-1452)) + B_{\bar{N}}(2N+862 - (N+1599))$$

$$= B_{\bar{N}}(N-736) + B_{\bar{N}}(2314) + B_{\bar{N}}(N-737) = (N-736) + 2314 + (N-737) = 2N+841$$

$$(N > 2314)$$

$$B_{\bar{N}}(2N+863) = B_{\bar{N}}(2N+863 - B_{\bar{N}}(2N+862)) + B_{\bar{N}}(2N+863 - B_{\bar{N}}(2N+861)) + B_{\bar{N}}(2N+863 - B_{\bar{N}}(2N+860))$$

$$= B_{\bar{N}}(2N+863 - (2N+841)) + B_{\bar{N}}(2N+863 - (N+1598)) + B_{\bar{N}}(2N+863 - (2N-1452))$$

$$= B_{\bar{N}}(22) + B_{\bar{N}}(N-735) + B_{\bar{N}}(2315) = 22 + (N-735) + 2315 = N + 1602$$

$$(N \ge 2315)$$

$$B_{\bar{N}}(2N+864) = B_{\bar{N}}(2N+864 - B_{\bar{N}}(2N+863)) + B_{\bar{N}}(2N+864 - B_{\bar{N}}(2N+862)) + B_{\bar{N}}(2N+864 - B_{\bar{N}}(2N+861))$$

$$= B_{\bar{N}}(2N+864 - (N+1602)) + B_{\bar{N}}(2N+864 - (2N+841)) + B_{\bar{N}}(2N+864 - (N+1598))$$

$$= B_{\bar{N}}(N-738) + B_{\bar{N}}(23) + B_{\bar{N}}(N-734) = (N-738) + 23 + (N-734) = 2N-1449$$

$$(N \ge 739)$$

$$B_{\bar{N}}(2N+865) = B_{\bar{N}}(2N+865 - B_{\bar{N}}(2N+864)) + B_{\bar{N}}(2N+865 - B_{\bar{N}}(2N+863)) + B_{\bar{N}}(2N+865 - B_{\bar{N}}(2N+862))$$

$$= B_{\bar{N}}(2N+865 - (2N-1449)) + B_{\bar{N}}(2N+865 - (N+1602)) + B_{\bar{N}}(2N+865 - (2N+841))$$

$$= B_{\bar{N}}(2314) + B_{\bar{N}}(N-737) + B_{\bar{N}}(24) = 2314 + (N-737) + 24 = N + 1601$$

$$(N \ge 2314)$$

$$B_{\bar{N}}(2N+866) = B_{\bar{N}}(2N+866 - B_{\bar{N}}(2N+865)) + B_{\bar{N}}(2N+866 - B_{\bar{N}}(2N+864)) + B_{\bar{N}}(2N+866 - B_{\bar{N}}(2N+863))$$

$$= B_{\bar{N}}(2N+866 - (N+1601)) + B_{\bar{N}}(2N+866 - (2N-1449)) + B_{\bar{N}}(2N+866 - (N+1602))$$

$$= B_{\bar{N}}(N-735) + B_{\bar{N}}(2315) + B_{\bar{N}}(N-736) = (N-735) + 2315 + (N-736) = 2N+844$$

$$(N \ge 2315)$$

$$B_{\bar{N}}(2N+867) = B_{\bar{N}}(2N+867 - B_{\bar{N}}(2N+866)) + B_{\bar{N}}(2N+867 - B_{\bar{N}}(2N+865)) + B_{\bar{N}}(2N+867 - B_{\bar{N}}(2N+864))$$

$$= B_{\bar{N}}(2N+867 - (2N+844)) + B_{\bar{N}}(2N+867 - (N+1601)) + B_{\bar{N}}(2N+867 - (2N-1449))$$

$$= B_{\bar{N}}(23) + B_{\bar{N}}(N-734) + B_{\bar{N}}(2316) = 23 + (N-734) + 2316 = N + 1605$$

$$(N > 2316)$$

$$B_{\bar{N}}(2N+868) = B_{\bar{N}}(2N+868 - B_{\bar{N}}(2N+867)) + B_{\bar{N}}(2N+868 - B_{\bar{N}}(2N+866)) + B_{\bar{N}}(2N+868 - B_{\bar{N}}(2N+865))$$

$$= B_{\bar{N}}(2N+868 - (N+1605)) + B_{\bar{N}}(2N+868 - (2N+844)) + B_{\bar{N}}(2N+868 - (N+1601))$$

$$= B_{\bar{N}}(N-737) + B_{\bar{N}}(24) + B_{\bar{N}}(N-733) = (N-737) + 24 + (N-733) = 2N - 1446$$

$$(N \ge 738)$$

$$B_{\bar{N}}(2N+869) = B_{\bar{N}}(2N+869 - B_{\bar{N}}(2N+868)) + B_{\bar{N}}(2N+869 - B_{\bar{N}}(2N+867)) + B_{\bar{N}}(2N+869 - B_{\bar{N}}(2N+866))$$

$$= B_{\bar{N}}(2N+869 - (2N-1446)) + B_{\bar{N}}(2N+869 - (N+1605)) + B_{\bar{N}}(2N+869 - (2N+844))$$

$$= B_{\bar{N}}(2315) + B_{\bar{N}}(N-736) + B_{\bar{N}}(25) = 2315 + (N-736) + 25 = N + 1604$$

$$(N \ge 2315)$$

$$B_{\bar{N}}(2N+870) = B_{\bar{N}}(2N+870 - B_{\bar{N}}(2N+869)) + B_{\bar{N}}(2N+870 - B_{\bar{N}}(2N+868)) + B_{\bar{N}}(2N+870 - B_{\bar{N}}(2N+867))$$

$$= B_{\bar{N}}(2N+870 - (N+1604)) + B_{\bar{N}}(2N+870 - (2N-1446)) + B_{\bar{N}}(2N+870 - (N+1605))$$

$$= B_{\bar{N}}(N-734) + B_{\bar{N}}(2316) + B_{\bar{N}}(N-735) = (N-734) + 2316 + (N-735) = 2N+847$$

$$(N \ge 2316)$$

$$B_{\bar{N}}(2N+871) = B_{\bar{N}}(2N+871 - B_{\bar{N}}(2N+870)) + B_{\bar{N}}(2N+871 - B_{\bar{N}}(2N+869)) + B_{\bar{N}}(2N+871 - B_{\bar{N}}(2N+868))$$

$$= B_{\bar{N}}(2N+871 - (2N+847)) + B_{\bar{N}}(2N+871 - (N+1604)) + B_{\bar{N}}(2N+871 - (2N-1446))$$

$$= B_{\bar{N}}(24) + B_{\bar{N}}(N-733) + B_{\bar{N}}(2317) = 24 + (N-733) + 2317 = N + 1608$$

$$(N \ge 2317)$$

$$B_{\bar{N}}(2N+872) = B_{\bar{N}}(2N+872 - B_{\bar{N}}(2N+871)) + B_{\bar{N}}(2N+872 - B_{\bar{N}}(2N+870)) + B_{\bar{N}}(2N+872 - B_{\bar{N}}(2N+869))$$

$$= B_{\bar{N}}(2N+872 - (N+1608)) + B_{\bar{N}}(2N+872 - (2N+847)) + B_{\bar{N}}(2N+872 - (N+1604))$$

$$= B_{\bar{N}}(N-736) + B_{\bar{N}}(25) + B_{\bar{N}}(N-732) = (N-736) + 25 + (N-732) = 2N-1443$$

$$(N > 737)$$

$$B_{\bar{N}}(2N+873) = B_{\bar{N}}(2N+873 - B_{\bar{N}}(2N+872)) + B_{\bar{N}}(2N+873 - B_{\bar{N}}(2N+871)) + B_{\bar{N}}(2N+873 - B_{\bar{N}}(2N+870))$$

$$= B_{\bar{N}}(2N+873 - (2N-1443)) + B_{\bar{N}}(2N+873 - (N+1608)) + B_{\bar{N}}(2N+873 - (2N+847))$$

$$= B_{\bar{N}}(2316) + B_{\bar{N}}(N-735) + B_{\bar{N}}(26) = 2316 + (N-735) + 26 = N + 1607$$

$$(N \ge 2316)$$

$$B_{\bar{N}}(2N+874) = B_{\bar{N}}(2N+874 - B_{\bar{N}}(2N+873)) + B_{\bar{N}}(2N+874 - B_{\bar{N}}(2N+872)) + B_{\bar{N}}(2N+874 - B_{\bar{N}}(2N+871))$$

$$= B_{\bar{N}}(2N+874 - (N+1607)) + B_{\bar{N}}(2N+874 - (2N-1443)) + B_{\bar{N}}(2N+874 - (N+1608))$$

$$= B_{\bar{N}}(N-733) + B_{\bar{N}}(2317) + B_{\bar{N}}(N-734) = (N-733) + 2317 + (N-734) = 2N+850$$

$$(N \ge 2317)$$

$$B_{\bar{N}}(2N+875) = B_{\bar{N}}(2N+875 - B_{\bar{N}}(2N+874)) + B_{\bar{N}}(2N+875 - B_{\bar{N}}(2N+873)) + B_{\bar{N}}(2N+875 - B_{\bar{N}}(2N+872))$$

$$= B_{\bar{N}}(2N+875 - (2N+850)) + B_{\bar{N}}(2N+875 - (N+1607)) + B_{\bar{N}}(2N+875 - (2N-1443))$$

$$= B_{\bar{N}}(25) + B_{\bar{N}}(N-732) + B_{\bar{N}}(2318) = 25 + (N-732) + 2318 = N + 1611$$

$$(N \ge 2318)$$

$$B_{\bar{N}}(2N+876) = B_{\bar{N}}(2N+876 - B_{\bar{N}}(2N+875)) + B_{\bar{N}}(2N+876 - B_{\bar{N}}(2N+874)) + B_{\bar{N}}(2N+876 - B_{\bar{N}}(2N+873))$$

$$= B_{\bar{N}}(2N+876 - (N+1611)) + B_{\bar{N}}(2N+876 - (2N+850)) + B_{\bar{N}}(2N+876 - (N+1607))$$

$$= B_{\bar{N}}(N-735) + B_{\bar{N}}(26) + B_{\bar{N}}(N-731) = (N-735) + 26 + (N-731) = 2N-1440$$

$$(N \ge 736)$$

$$B_{\bar{N}}(2N+877) = B_{\bar{N}}(2N+877 - B_{\bar{N}}(2N+876)) + B_{\bar{N}}(2N+877 - B_{\bar{N}}(2N+875)) + B_{\bar{N}}(2N+877 - B_{\bar{N}}(2N+874))$$

$$= B_{\bar{N}}(2N+877 - (2N-1440)) + B_{\bar{N}}(2N+877 - (N+1611)) + B_{\bar{N}}(2N+877 - (2N+850))$$

$$= B_{\bar{N}}(2317) + B_{\bar{N}}(N-734) + B_{\bar{N}}(27) = 2317 + (N-734) + 27 = N + 1610$$

$$(N \ge 2317)$$

$$B_{\bar{N}}(2N+878) = B_{\bar{N}}(2N+878 - B_{\bar{N}}(2N+877)) + B_{\bar{N}}(2N+878 - B_{\bar{N}}(2N+876)) + B_{\bar{N}}(2N+878 - B_{\bar{N}}(2N+875))$$

$$= B_{\bar{N}}(2N+878 - (N+1610)) + B_{\bar{N}}(2N+878 - (2N-1440)) + B_{\bar{N}}(2N+878 - (N+1611))$$

$$= B_{\bar{N}}(N-732) + B_{\bar{N}}(2318) + B_{\bar{N}}(N-733) = (N-732) + 2318 + (N-733) = 2N+853$$

$$(N \ge 2318)$$

$$B_{\bar{N}}(2N+879) = B_{\bar{N}}(2N+879 - B_{\bar{N}}(2N+878)) + B_{\bar{N}}(2N+879 - B_{\bar{N}}(2N+877)) + B_{\bar{N}}(2N+879 - B_{\bar{N}}(2N+876))$$

$$= B_{\bar{N}}(2N+879 - (2N+853)) + B_{\bar{N}}(2N+879 - (N+1610)) + B_{\bar{N}}(2N+879 - (2N-1440))$$

$$= B_{\bar{N}}(26) + B_{\bar{N}}(N-731) + B_{\bar{N}}(2319) = 26 + (N-731) + 2319 = N + 1614$$

$$(N \ge 2319)$$

$$B_{\bar{N}}(2N+880) = B_{\bar{N}}(2N+880 - B_{\bar{N}}(2N+879)) + B_{\bar{N}}(2N+880 - B_{\bar{N}}(2N+878)) + B_{\bar{N}}(2N+880 - B_{\bar{N}}(2N+877))$$

$$= B_{\bar{N}}(2N+880 - (N+1614)) + B_{\bar{N}}(2N+880 - (2N+853)) + B_{\bar{N}}(2N+880 - (N+1610))$$

$$= B_{\bar{N}}(N-734) + B_{\bar{N}}(27) + B_{\bar{N}}(N-730) = (N-734) + 27 + (N-730) = 2N-1437$$

$$(N \ge 735)$$

$$B_{\bar{N}}(2N+881) = B_{\bar{N}}(2N+881 - B_{\bar{N}}(2N+880)) + B_{\bar{N}}(2N+881 - B_{\bar{N}}(2N+879)) + B_{\bar{N}}(2N+881 - B_{\bar{N}}(2N+878))$$

$$= B_{\bar{N}}(2N+881 - (2N-1437)) + B_{\bar{N}}(2N+881 - (N+1614)) + B_{\bar{N}}(2N+881 - (2N+853))$$

$$= B_{\bar{N}}(2318) + B_{\bar{N}}(N-733) + B_{\bar{N}}(28) = 2318 + (N-733) + 28 = N + 1613$$

$$(N \ge 2318)$$

$$B_{\bar{N}}(2N+882) = B_{\bar{N}}(2N+882 - B_{\bar{N}}(2N+881)) + B_{\bar{N}}(2N+882 - B_{\bar{N}}(2N+880)) + B_{\bar{N}}(2N+882 - B_{\bar{N}}(2N+879))$$

$$= B_{\bar{N}}(2N+882 - (N+1613)) + B_{\bar{N}}(2N+882 - (2N-1437)) + B_{\bar{N}}(2N+882 - (N+1614))$$

$$= B_{\bar{N}}(N-731) + B_{\bar{N}}(2319) + B_{\bar{N}}(N-732) = (N-731) + 2319 + (N-732) = 2N+856$$

$$(N > 2319)$$

$$B_{\bar{N}}(2N+883) = B_{\bar{N}}(2N+883 - B_{\bar{N}}(2N+882)) + B_{\bar{N}}(2N+883 - B_{\bar{N}}(2N+881)) + B_{\bar{N}}(2N+883 - B_{\bar{N}}(2N+880))$$

$$= B_{\bar{N}}(2N+883 - (2N+856)) + B_{\bar{N}}(2N+883 - (N+1613)) + B_{\bar{N}}(2N+883 - (2N-1437))$$

$$= B_{\bar{N}}(27) + B_{\bar{N}}(N-730) + B_{\bar{N}}(2320) = 27 + (N-730) + 2320 = N + 1617$$

$$(N \ge 2320)$$

$$B_{\bar{N}}(2N+884) = B_{\bar{N}}(2N+884 - B_{\bar{N}}(2N+883)) + B_{\bar{N}}(2N+884 - B_{\bar{N}}(2N+882)) + B_{\bar{N}}(2N+884 - B_{\bar{N}}(2N+881))$$

$$= B_{\bar{N}}(2N+884 - (N+1617)) + B_{\bar{N}}(2N+884 - (2N+856)) + B_{\bar{N}}(2N+884 - (N+1613))$$

$$= B_{\bar{N}}(N-733) + B_{\bar{N}}(28) + B_{\bar{N}}(N-729) = (N-733) + 28 + (N-729) = 2N-1434$$

$$(N \ge 734)$$

$$B_{\bar{N}}(2N+885) = B_{\bar{N}}(2N+885 - B_{\bar{N}}(2N+884)) + B_{\bar{N}}(2N+885 - B_{\bar{N}}(2N+883)) + B_{\bar{N}}(2N+885 - B_{\bar{N}}(2N+882))$$

$$= B_{\bar{N}}(2N+885 - (2N-1434)) + B_{\bar{N}}(2N+885 - (N+1617)) + B_{\bar{N}}(2N+885 - (2N+856))$$

$$= B_{\bar{N}}(2319) + B_{\bar{N}}(N-732) + B_{\bar{N}}(29) = 2319 + (N-732) + 29 = N + 1616$$

$$(N \ge 2319)$$

$$B_{\bar{N}}(2N+886) = B_{\bar{N}}(2N+886 - B_{\bar{N}}(2N+885)) + B_{\bar{N}}(2N+886 - B_{\bar{N}}(2N+884)) + B_{\bar{N}}(2N+886 - B_{\bar{N}}(2N+883))$$

$$= B_{\bar{N}}(2N+886 - (N+1616)) + B_{\bar{N}}(2N+886 - (2N-1434)) + B_{\bar{N}}(2N+886 - (N+1617))$$

$$= B_{\bar{N}}(N-730) + B_{\bar{N}}(2320) + B_{\bar{N}}(N-731) = (N-730) + 2320 + (N-731) = 2N+859$$

$$(N \ge 2320)$$

$$B_{\bar{N}}(2N+887) = B_{\bar{N}}(2N+887 - B_{\bar{N}}(2N+886)) + B_{\bar{N}}(2N+887 - B_{\bar{N}}(2N+885)) + B_{\bar{N}}(2N+887 - B_{\bar{N}}(2N+884))$$

$$= B_{\bar{N}}(2N+887 - (2N+859)) + B_{\bar{N}}(2N+887 - (N+1616)) + B_{\bar{N}}(2N+887 - (2N-1434))$$

$$= B_{\bar{N}}(28) + B_{\bar{N}}(N-729) + B_{\bar{N}}(2321) = 28 + (N-729) + 2321 = N + 1620$$

$$(N \ge 2321)$$

$$B_{\bar{N}}(2N+888) = B_{\bar{N}}(2N+888 - B_{\bar{N}}(2N+887)) + B_{\bar{N}}(2N+888 - B_{\bar{N}}(2N+886)) + B_{\bar{N}}(2N+888 - B_{\bar{N}}(2N+885))$$

$$= B_{\bar{N}}(2N+888 - (N+1620)) + B_{\bar{N}}(2N+888 - (2N+859)) + B_{\bar{N}}(2N+888 - (N+1616))$$

$$= B_{\bar{N}}(N-732) + B_{\bar{N}}(29) + B_{\bar{N}}(N-728) = (N-732) + 29 + (N-728) = 2N-1431$$

$$(N \ge 733)$$

$$B_{\bar{N}}(2N+889) = B_{\bar{N}}(2N+889 - B_{\bar{N}}(2N+888)) + B_{\bar{N}}(2N+889 - B_{\bar{N}}(2N+887)) + B_{\bar{N}}(2N+889 - B_{\bar{N}}(2N+886))$$

$$= B_{\bar{N}}(2N+889 - (2N-1431)) + B_{\bar{N}}(2N+889 - (N+1620)) + B_{\bar{N}}(2N+889 - (2N+859))$$

$$= B_{\bar{N}}(2320) + B_{\bar{N}}(N-731) + B_{\bar{N}}(30) = 2320 + (N-731) + 30 = N + 1619$$

$$(N \ge 2320)$$

$$B_{\bar{N}}(2N+890) = B_{\bar{N}}(2N+890 - B_{\bar{N}}(2N+889)) + B_{\bar{N}}(2N+890 - B_{\bar{N}}(2N+888)) + B_{\bar{N}}(2N+890 - B_{\bar{N}}(2N+887))$$

$$= B_{\bar{N}}(2N+890 - (N+1619)) + B_{\bar{N}}(2N+890 - (2N-1431)) + B_{\bar{N}}(2N+890 - (N+1620))$$

$$= B_{\bar{N}}(N-729) + B_{\bar{N}}(2321) + B_{\bar{N}}(N-730) = (N-729) + 2321 + (N-730) = 2N+862$$

$$(N \ge 2321)$$

$$B_{\bar{N}}(2N+891) = B_{\bar{N}}(2N+891 - B_{\bar{N}}(2N+890)) + B_{\bar{N}}(2N+891 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+891 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+891 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+891 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+891) + B_{\bar{N}}(2N$$

$$B_{\bar{N}}(2N+892) = B_{\bar{N}}(2N+892 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+892 - B_{\bar{N}}(2N+890)) + B_{\bar{N}}(2N+892 - B_{\bar{N}}(2N+889))$$

$$= B_{\bar{N}}(2N+892 - (N+1623)) + B_{\bar{N}}(2N+892 - (2N+862)) + B_{\bar{N}}(2N+892 - (N+1619))$$

$$= B_{\bar{N}}(N-731) + B_{\bar{N}}(30) + B_{\bar{N}}(N-727) = (N-731) + 30 + (N-727) = 2N-1428$$

$$(N > 732)$$

$$B_{\bar{N}}(2N+893) = B_{\bar{N}}(2N+893 - B_{\bar{N}}(2N+892)) + B_{\bar{N}}(2N+893 - B_{\bar{N}}(2N+891)) + B_{\bar{N}}(2N+893 - B_{\bar{N}}(2N+890))$$

$$= B_{\bar{N}}(2N+893 - (2N-1428)) + B_{\bar{N}}(2N+893 - (N+1623)) + B_{\bar{N}}(2N+893 - (2N+862))$$

$$= B_{\bar{N}}(2321) + B_{\bar{N}}(N-730) + B_{\bar{N}}(31) = 2321 + (N-730) + 31 = N + 1622$$

$$(N \ge 2321)$$

$$B_{\bar{N}}(2N+894) = B_{\bar{N}}(2N+894 - B_{\bar{N}}(2N+893)) + B_{\bar{N}}(2N+894 - B_{\bar{N}}(2N+892)) + B_{\bar{N}}(2N+894 - B_{\bar{N}}(2N+891))$$

$$= B_{\bar{N}}(2N+894 - (N+1622)) + B_{\bar{N}}(2N+894 - (2N-1428)) + B_{\bar{N}}(2N+894 - (N+1623))$$

$$= B_{\bar{N}}(N-728) + B_{\bar{N}}(2322) + B_{\bar{N}}(N-729) = (N-728) + 2322 + (N-729) = 2N+865$$

$$(N \ge 2322)$$

$$B_{\bar{N}}(2N+895) = B_{\bar{N}}(2N+895 - B_{\bar{N}}(2N+894)) + B_{\bar{N}}(2N+895 - B_{\bar{N}}(2N+893)) + B_{\bar{N}}(2N+895 - B_{\bar{N}}(2N+892))$$

$$= B_{\bar{N}}(2N+895 - (2N+865)) + B_{\bar{N}}(2N+895 - (N+1622)) + B_{\bar{N}}(2N+895 - (2N-1428))$$

$$= B_{\bar{N}}(30) + B_{\bar{N}}(N-727) + B_{\bar{N}}(2323) = 30 + (N-727) + 2323 = N + 1626$$

$$(N \ge 2323)$$

$$B_{\bar{N}}(2N+896) = B_{\bar{N}}(2N+896 - B_{\bar{N}}(2N+895)) + B_{\bar{N}}(2N+896 - B_{\bar{N}}(2N+894)) + B_{\bar{N}}(2N+896 - B_{\bar{N}}(2N+893))$$

$$= B_{\bar{N}}(2N+896 - (N+1626)) + B_{\bar{N}}(2N+896 - (2N+865)) + B_{\bar{N}}(2N+896 - (N+1622))$$

$$= B_{\bar{N}}(N-730) + B_{\bar{N}}(31) + B_{\bar{N}}(N-726) = (N-730) + 31 + (N-726) = 2N - 1425$$

$$(N \ge 731)$$

$$B_{\bar{N}}(2N+897) = B_{\bar{N}}(2N+897 - B_{\bar{N}}(2N+896)) + B_{\bar{N}}(2N+897 - B_{\bar{N}}(2N+895)) + B_{\bar{N}}(2N+897 - B_{\bar{N}}(2N+894))$$

$$= B_{\bar{N}}(2N+897 - (2N-1425)) + B_{\bar{N}}(2N+897 - (N+1626)) + B_{\bar{N}}(2N+897 - (2N+865))$$

$$= B_{\bar{N}}(2322) + B_{\bar{N}}(N-729) + B_{\bar{N}}(32) = 2322 + (N-729) + 32 = N + 1625$$

$$(N \ge 2322)$$

$$B_{\bar{N}}(2N+898) = B_{\bar{N}}(2N+898 - B_{\bar{N}}(2N+897)) + B_{\bar{N}}(2N+898 - B_{\bar{N}}(2N+896)) + B_{\bar{N}}(2N+898 - B_{\bar{N}}(2N+895))$$

$$= B_{\bar{N}}(2N+898 - (N+1625)) + B_{\bar{N}}(2N+898 - (2N-1425)) + B_{\bar{N}}(2N+898 - (N+1626))$$

$$= B_{\bar{N}}(N-727) + B_{\bar{N}}(2323) + B_{\bar{N}}(N-728) = (N-727) + 2323 + (N-728) = 2N+868$$

$$(N \ge 2323)$$

$$B_{\bar{N}}(2N+899) = B_{\bar{N}}(2N+899 - B_{\bar{N}}(2N+898)) + B_{\bar{N}}(2N+899 - B_{\bar{N}}(2N+897)) + B_{\bar{N}}(2N+899 - B_{\bar{N}}(2N+896))$$

$$= B_{\bar{N}}(2N+899 - (2N+868)) + B_{\bar{N}}(2N+899 - (N+1625)) + B_{\bar{N}}(2N+899 - (2N-1425))$$

$$= B_{\bar{N}}(31) + B_{\bar{N}}(N-726) + B_{\bar{N}}(2324) = 31 + (N-726) + 2324 = N + 1629$$

$$(N \ge 2324)$$

$$B_{\bar{N}}(2N+900) = B_{\bar{N}}(2N+900 - B_{\bar{N}}(2N+899)) + B_{\bar{N}}(2N+900 - B_{\bar{N}}(2N+898)) + B_{\bar{N}}(2N+900 - B_{\bar{N}}(2N+897))$$

$$= B_{\bar{N}}(2N+900 - (N+1629)) + B_{\bar{N}}(2N+900 - (2N+868)) + B_{\bar{N}}(2N+900 - (N+1625))$$

$$= B_{\bar{N}}(N-729) + B_{\bar{N}}(32) + B_{\bar{N}}(N-725) = (N-729) + 32 + (N-725) = 2N-1422$$

$$(N \ge 730)$$

$$B_{\bar{N}}(2N+901) = B_{\bar{N}}(2N+901 - B_{\bar{N}}(2N+900)) + B_{\bar{N}}(2N+901 - B_{\bar{N}}(2N+899)) + B_{\bar{N}}(2N+901 - B_{\bar{N}}(2N+898))$$

$$= B_{\bar{N}}(2N+901 - (2N-1422)) + B_{\bar{N}}(2N+901 - (N+1629)) + B_{\bar{N}}(2N+901 - (2N+868))$$

$$= B_{\bar{N}}(2323) + B_{\bar{N}}(N-728) + B_{\bar{N}}(33) = 2323 + (N-728) + 33 = N + 1628$$

$$(N \ge 2323)$$

$$B_{\bar{N}}(2N+902) = B_{\bar{N}}(2N+902 - B_{\bar{N}}(2N+901)) + B_{\bar{N}}(2N+902 - B_{\bar{N}}(2N+900)) + B_{\bar{N}}(2N+902 - B_{\bar{N}}(2N+899))$$

$$= B_{\bar{N}}(2N+902 - (N+1628)) + B_{\bar{N}}(2N+902 - (2N-1422)) + B_{\bar{N}}(2N+902 - (N+1629))$$

$$= B_{\bar{N}}(N-726) + B_{\bar{N}}(2324) + B_{\bar{N}}(N-727) = (N-726) + 2324 + (N-727) = 2N+871$$

$$(N > 2324)$$

$$B_{\bar{N}}(2N+903) = B_{\bar{N}}(2N+903-B_{\bar{N}}(2N+902)) + B_{\bar{N}}(2N+903-B_{\bar{N}}(2N+901)) + B_{\bar{N}}(2N+903-B_{\bar{N}}(2N+900)) = B_{\bar{N}}(2N+903-(2N+871)) + B_{\bar{N}}(2N+903-(N+1628)) + B_{\bar{N}}(2N+903-(2N-1422)) = B_{\bar{N}}(32) + B_{\bar{N}}(N-725) + B_{\bar{N}}(2325) = 32 + (N-725) + 2325 = N+1632 (N \ge 2325)$$

$$B_{\bar{N}}(2N+904) = B_{\bar{N}}(2N+904-B_{\bar{N}}(2N+903)) + B_{\bar{N}}(2N+904-B_{\bar{N}}(2N+902)) + B_{\bar{N}}(2N+904-B_{\bar{N}}(2N+901))$$

$$= B_{\bar{N}}(2N+904-(N+1632)) + B_{\bar{N}}(2N+904-(2N+871)) + B_{\bar{N}}(2N+904-(N+1628))$$

$$= B_{\bar{N}}(N-728) + B_{\bar{N}}(33) + B_{\bar{N}}(N-724) = (N-728) + 33 + (N-724) = 2N-1419$$

$$(N \ge 729)$$

$$B_{\bar{N}}(2N+905) = B_{\bar{N}}(2N+905-B_{\bar{N}}(2N+904)) + B_{\bar{N}}(2N+905-B_{\bar{N}}(2N+903)) + B_{\bar{N}}(2N+905-B_{\bar{N}}(2N+902))$$

$$= B_{\bar{N}}(2N+905-(2N-1419)) + B_{\bar{N}}(2N+905-(N+1632)) + B_{\bar{N}}(2N+905-(2N+871))$$

$$= B_{\bar{N}}(2324) + B_{\bar{N}}(N-727) + B_{\bar{N}}(34) = 2324 + (N-727) + 34 = N + 1631$$

$$(N \ge 2324)$$

$$B_{\bar{N}}(2N+906) = B_{\bar{N}}(2N+906-B_{\bar{N}}(2N+905)) + B_{\bar{N}}(2N+906-B_{\bar{N}}(2N+904)) + B_{\bar{N}}(2N+906-B_{\bar{N}}(2N+903))$$

$$= B_{\bar{N}}(2N+906-(N+1631)) + B_{\bar{N}}(2N+906-(2N-1419)) + B_{\bar{N}}(2N+906-(N+1632))$$

$$= B_{\bar{N}}(N-725) + B_{\bar{N}}(2325) + B_{\bar{N}}(N-726) = (N-725) + 2325 + (N-726) = 2N+874$$

$$(N \ge 2325)$$

$$B_{\bar{N}}(2N+907) = B_{\bar{N}}(2N+907-B_{\bar{N}}(2N+906)) + B_{\bar{N}}(2N+907-B_{\bar{N}}(2N+905)) + B_{\bar{N}}(2N+907-B_{\bar{N}}(2N+904))$$

$$= B_{\bar{N}}(2N+907-(2N+874)) + B_{\bar{N}}(2N+907-(N+1631)) + B_{\bar{N}}(2N+907-(2N-1419))$$

$$= B_{\bar{N}}(33) + B_{\bar{N}}(N-724) + B_{\bar{N}}(2326) = 33 + (N-724) + 2326 = N+1635$$

$$(N > 2326)$$

$$B_{\bar{N}}(2N+908) = B_{\bar{N}}(2N+908-B_{\bar{N}}(2N+907)) + B_{\bar{N}}(2N+908-B_{\bar{N}}(2N+906)) + B_{\bar{N}}(2N+908-B_{\bar{N}}(2N+905))$$

$$= B_{\bar{N}}(2N+908-(N+1635)) + B_{\bar{N}}(2N+908-(2N+874)) + B_{\bar{N}}(2N+908-(N+1631))$$

$$= B_{\bar{N}}(N-727) + B_{\bar{N}}(34) + B_{\bar{N}}(N-723) = (N-727) + 34 + (N-723) = 2N-1416$$

$$(N \ge 728)$$

$$B_{\bar{N}}(2N+909) = B_{\bar{N}}(2N+909 - B_{\bar{N}}(2N+908)) + B_{\bar{N}}(2N+909 - B_{\bar{N}}(2N+907)) + B_{\bar{N}}(2N+909 - B_{\bar{N}}(2N+906))$$

$$= B_{\bar{N}}(2N+909 - (2N-1416)) + B_{\bar{N}}(2N+909 - (N+1635)) + B_{\bar{N}}(2N+909 - (2N+874))$$

$$= B_{\bar{N}}(2325) + B_{\bar{N}}(N-726) + B_{\bar{N}}(35) = 2325 + (N-726) + 35 = N + 1634$$

$$(N \ge 2325)$$

$$B_{\bar{N}}(2N+910) = B_{\bar{N}}(2N+910 - B_{\bar{N}}(2N+909)) + B_{\bar{N}}(2N+910 - B_{\bar{N}}(2N+908)) + B_{\bar{N}}(2N+910 - B_{\bar{N}}(2N+907))$$

$$= B_{\bar{N}}(2N+910 - (N+1634)) + B_{\bar{N}}(2N+910 - (2N-1416)) + B_{\bar{N}}(2N+910 - (N+1635))$$

$$= B_{\bar{N}}(N-724) + B_{\bar{N}}(2326) + B_{\bar{N}}(N-725) = (N-724) + 2326 + (N-725) = 2N+877$$

$$(N \ge 2326)$$

$$B_{\bar{N}}(2N+911) = B_{\bar{N}}(2N+911 - B_{\bar{N}}(2N+910)) + B_{\bar{N}}(2N+911 - B_{\bar{N}}(2N+909)) + B_{\bar{N}}(2N+911 - B_{\bar{N}}(2N+908))$$

$$= B_{\bar{N}}(2N+911 - (2N+877)) + B_{\bar{N}}(2N+911 - (N+1634)) + B_{\bar{N}}(2N+911 - (2N-1416))$$

$$= B_{\bar{N}}(34) + B_{\bar{N}}(N-723) + B_{\bar{N}}(2327) = 34 + (N-723) + 2327 = N + 1638$$

$$(N \ge 2327)$$

$$B_{\bar{N}}(2N+912) = B_{\bar{N}}(2N+912 - B_{\bar{N}}(2N+911)) + B_{\bar{N}}(2N+912 - B_{\bar{N}}(2N+910)) + B_{\bar{N}}(2N+912 - B_{\bar{N}}(2N+909))$$

$$= B_{\bar{N}}(2N+912 - (N+1638)) + B_{\bar{N}}(2N+912 - (2N+877)) + B_{\bar{N}}(2N+912 - (N+1634))$$

$$= B_{\bar{N}}(N-726) + B_{\bar{N}}(35) + B_{\bar{N}}(N-722) = (N-726) + 35 + (N-722) = 2N-1413$$

$$(N > 727)$$

$$B_{\bar{N}}(2N+913) = B_{\bar{N}}(2N+913-B_{\bar{N}}(2N+912)) + B_{\bar{N}}(2N+913-B_{\bar{N}}(2N+911)) + B_{\bar{N}}(2N+913-B_{\bar{N}}(2N+910))$$

$$= B_{\bar{N}}(2N+913-(2N-1413)) + B_{\bar{N}}(2N+913-(N+1638)) + B_{\bar{N}}(2N+913-(2N+877))$$

$$= B_{\bar{N}}(2326) + B_{\bar{N}}(N-725) + B_{\bar{N}}(36) = 2326 + (N-725) + 36 = N+1637$$

$$(N \ge 2326)$$

$$B_{\bar{N}}(2N+914) = B_{\bar{N}}(2N+914 - B_{\bar{N}}(2N+913)) + B_{\bar{N}}(2N+914 - B_{\bar{N}}(2N+912)) + B_{\bar{N}}(2N+914 - B_{\bar{N}}(2N+911))$$

$$= B_{\bar{N}}(2N+914 - (N+1637)) + B_{\bar{N}}(2N+914 - (2N-1413)) + B_{\bar{N}}(2N+914 - (N+1638))$$

$$= B_{\bar{N}}(N-723) + B_{\bar{N}}(2327) + B_{\bar{N}}(N-724) = (N-723) + 2327 + (N-724) = 2N+880$$

$$(N \ge 2327)$$

$$B_{\bar{N}}(2N+915) = B_{\bar{N}}(2N+915 - B_{\bar{N}}(2N+914)) + B_{\bar{N}}(2N+915 - B_{\bar{N}}(2N+913)) + B_{\bar{N}}(2N+915 - B_{\bar{N}}(2N+912))$$

$$= B_{\bar{N}}(2N+915 - (2N+880)) + B_{\bar{N}}(2N+915 - (N+1637)) + B_{\bar{N}}(2N+915 - (2N-1413))$$

$$= B_{\bar{N}}(35) + B_{\bar{N}}(N-722) + B_{\bar{N}}(2328) = 35 + (N-722) + 2328 = N + 1641$$

$$(N \ge 2328)$$

$$B_{\bar{N}}(2N+916) = B_{\bar{N}}(2N+916 - B_{\bar{N}}(2N+915)) + B_{\bar{N}}(2N+916 - B_{\bar{N}}(2N+914)) + B_{\bar{N}}(2N+916 - B_{\bar{N}}(2N+913))$$

$$= B_{\bar{N}}(2N+916 - (N+1641)) + B_{\bar{N}}(2N+916 - (2N+880)) + B_{\bar{N}}(2N+916 - (N+1637))$$

$$= B_{\bar{N}}(N-725) + B_{\bar{N}}(36) + B_{\bar{N}}(N-721) = (N-725) + 36 + (N-721) = 2N-1410$$

$$(N \ge 726)$$

$$B_{\bar{N}}(2N+917) = B_{\bar{N}}(2N+917 - B_{\bar{N}}(2N+916)) + B_{\bar{N}}(2N+917 - B_{\bar{N}}(2N+915)) + B_{\bar{N}}(2N+917 - B_{\bar{N}}(2N+914))$$

$$= B_{\bar{N}}(2N+917 - (2N-1410)) + B_{\bar{N}}(2N+917 - (N+1641)) + B_{\bar{N}}(2N+917 - (2N+880))$$

$$= B_{\bar{N}}(2327) + B_{\bar{N}}(N-724) + B_{\bar{N}}(37) = 2327 + (N-724) + 37 = N + 1640$$

$$(N > 2327)$$

$$B_{\bar{N}}(2N+918) = B_{\bar{N}}(2N+918 - B_{\bar{N}}(2N+917)) + B_{\bar{N}}(2N+918 - B_{\bar{N}}(2N+916)) + B_{\bar{N}}(2N+918 - B_{\bar{N}}(2N+915))$$

$$= B_{\bar{N}}(2N+918 - (N+1640)) + B_{\bar{N}}(2N+918 - (2N-1410)) + B_{\bar{N}}(2N+918 - (N+1641))$$

$$= B_{\bar{N}}(N-722) + B_{\bar{N}}(2328) + B_{\bar{N}}(N-723) = (N-722) + 2328 + (N-723) = 2N+883$$

$$(N \ge 2328)$$

$$B_{\bar{N}}(2N+919) = B_{\bar{N}}(2N+919 - B_{\bar{N}}(2N+918)) + B_{\bar{N}}(2N+919 - B_{\bar{N}}(2N+917)) + B_{\bar{N}}(2N+919 - B_{\bar{N}}(2N+916))$$

$$= B_{\bar{N}}(2N+919 - (2N+883)) + B_{\bar{N}}(2N+919 - (N+1640)) + B_{\bar{N}}(2N+919 - (2N-1410))$$

$$= B_{\bar{N}}(36) + B_{\bar{N}}(N-721) + B_{\bar{N}}(2329) = 36 + (N-721) + 2329 = N + 1644$$

$$(N \ge 2329)$$

$$B_{\bar{N}}(2N+920) = B_{\bar{N}}(2N+920 - B_{\bar{N}}(2N+919)) + B_{\bar{N}}(2N+920 - B_{\bar{N}}(2N+918)) + B_{\bar{N}}(2N+920 - B_{\bar{N}}(2N+917))$$

$$= B_{\bar{N}}(2N+920 - (N+1644)) + B_{\bar{N}}(2N+920 - (2N+883)) + B_{\bar{N}}(2N+920 - (N+1640))$$

$$= B_{\bar{N}}(N-724) + B_{\bar{N}}(37) + B_{\bar{N}}(N-720) = (N-724) + 37 + (N-720) = 2N-1407$$

$$(N \ge 725)$$

$$B_{\bar{N}}(2N+921) = B_{\bar{N}}(2N+921 - B_{\bar{N}}(2N+920)) + B_{\bar{N}}(2N+921 - B_{\bar{N}}(2N+919)) + B_{\bar{N}}(2N+921 - B_{\bar{N}}(2N+918))$$

$$= B_{\bar{N}}(2N+921 - (2N-1407)) + B_{\bar{N}}(2N+921 - (N+1644)) + B_{\bar{N}}(2N+921 - (2N+883))$$

$$= B_{\bar{N}}(2328) + B_{\bar{N}}(N-723) + B_{\bar{N}}(38) = 2328 + (N-723) + 38 = N + 1643$$

$$(N \ge 2328)$$

$$B_{\bar{N}}(2N+922) = B_{\bar{N}}(2N+922-B_{\bar{N}}(2N+921)) + B_{\bar{N}}(2N+922-B_{\bar{N}}(2N+920)) + B_{\bar{N}}(2N+922-B_{\bar{N}}(2N+919))$$

$$= B_{\bar{N}}(2N+922-(N+1643)) + B_{\bar{N}}(2N+922-(2N-1407)) + B_{\bar{N}}(2N+922-(N+1644))$$

$$= B_{\bar{N}}(N-721) + B_{\bar{N}}(2329) + B_{\bar{N}}(N-722) = (N-721) + 2329 + (N-722) = 2N+886$$

$$(N \ge 2329)$$

$$B_{\bar{N}}(2N+923) = B_{\bar{N}}(2N+923-B_{\bar{N}}(2N+922)) + B_{\bar{N}}(2N+923-B_{\bar{N}}(2N+921)) + B_{\bar{N}}(2N+923-B_{\bar{N}}(2N+920)) = B_{\bar{N}}(2N+923-(2N+886)) + B_{\bar{N}}(2N+923-(N+1643)) + B_{\bar{N}}(2N+923-(2N-1407)) = B_{\bar{N}}(37) + B_{\bar{N}}(N-720) + B_{\bar{N}}(2330) = 37 + (N-720) + 2330 = N + 1647 (N \ge 2330)$$

$$B_{\bar{N}}(2N+924) = B_{\bar{N}}(2N+924 - B_{\bar{N}}(2N+923)) + B_{\bar{N}}(2N+924 - B_{\bar{N}}(2N+922)) + B_{\bar{N}}(2N+924 - B_{\bar{N}}(2N+921))$$

$$= B_{\bar{N}}(2N+924 - (N+1647)) + B_{\bar{N}}(2N+924 - (2N+886)) + B_{\bar{N}}(2N+924 - (N+1643))$$

$$= B_{\bar{N}}(N-723) + B_{\bar{N}}(38) + B_{\bar{N}}(N-719) = (N-723) + 38 + (N-719) = 2N-1404$$

$$(N \ge 724)$$

$$B_{\bar{N}}(2N+925) = B_{\bar{N}}(2N+925 - B_{\bar{N}}(2N+924)) + B_{\bar{N}}(2N+925 - B_{\bar{N}}(2N+923)) + B_{\bar{N}}(2N+925 - B_{\bar{N}}(2N+925))$$

$$= B_{\bar{N}}(2N+925 - (2N-1404)) + B_{\bar{N}}(2N+925 - (N+1647)) + B_{\bar{N}}(2N+925 - (2N+886))$$

$$= B_{\bar{N}}(2329) + B_{\bar{N}}(N-722) + B_{\bar{N}}(39) = 2329 + (N-722) + 39 = N + 1646$$

$$(N \ge 2329)$$

$$B_{\bar{N}}(2N+926) = B_{\bar{N}}(2N+926 - B_{\bar{N}}(2N+925)) + B_{\bar{N}}(2N+926 - B_{\bar{N}}(2N+924)) + B_{\bar{N}}(2N+926 - B_{\bar{N}}(2N+923))$$

$$= B_{\bar{N}}(2N+926 - (N+1646)) + B_{\bar{N}}(2N+926 - (2N-1404)) + B_{\bar{N}}(2N+926 - (N+1647))$$

$$= B_{\bar{N}}(N-720) + B_{\bar{N}}(2330) + B_{\bar{N}}(N-721) = (N-720) + 2330 + (N-721) = 2N+889$$

$$(N \ge 2330)$$

$$B_{\bar{N}}(2N+927) = B_{\bar{N}}(2N+927 - B_{\bar{N}}(2N+926)) + B_{\bar{N}}(2N+927 - B_{\bar{N}}(2N+925)) + B_{\bar{N}}(2N+927 - B_{\bar{N}}(2N+924))$$

$$= B_{\bar{N}}(2N+927 - (2N+889)) + B_{\bar{N}}(2N+927 - (N+1646)) + B_{\bar{N}}(2N+927 - (2N-1404))$$

$$= B_{\bar{N}}(38) + B_{\bar{N}}(N-719) + B_{\bar{N}}(2331) = 38 + (N-719) + 2331 = N + 1650$$

$$(N \ge 2331)$$

$$B_{\bar{N}}(2N+928) = B_{\bar{N}}(2N+928 - B_{\bar{N}}(2N+927)) + B_{\bar{N}}(2N+928 - B_{\bar{N}}(2N+926)) + B_{\bar{N}}(2N+928 - B_{\bar{N}}(2N+925))$$

$$= B_{\bar{N}}(2N+928 - (N+1650)) + B_{\bar{N}}(2N+928 - (2N+889)) + B_{\bar{N}}(2N+928 - (N+1646))$$

$$= B_{\bar{N}}(N-722) + B_{\bar{N}}(39) + B_{\bar{N}}(N-718) = (N-722) + 39 + (N-718) = 2N-1401$$

$$(N \ge 723)$$

$$B_{\bar{N}}(2N+929) = B_{\bar{N}}(2N+929 - B_{\bar{N}}(2N+928)) + B_{\bar{N}}(2N+929 - B_{\bar{N}}(2N+927)) + B_{\bar{N}}(2N+929 - B_{\bar{N}}(2N+926))$$

$$= B_{\bar{N}}(2N+929 - (2N-1401)) + B_{\bar{N}}(2N+929 - (N+1650)) + B_{\bar{N}}(2N+929 - (2N+889))$$

$$= B_{\bar{N}}(2330) + B_{\bar{N}}(N-721) + B_{\bar{N}}(40) = 2330 + (N-721) + 40 = N + 1649$$

$$(N \ge 2330)$$

$$B_{\bar{N}}(2N+930) = B_{\bar{N}}(2N+930 - B_{\bar{N}}(2N+929)) + B_{\bar{N}}(2N+930 - B_{\bar{N}}(2N+928)) + B_{\bar{N}}(2N+930 - B_{\bar{N}}(2N+927))$$

$$= B_{\bar{N}}(2N+930 - (N+1649)) + B_{\bar{N}}(2N+930 - (2N-1401)) + B_{\bar{N}}(2N+930 - (N+1650))$$

$$= B_{\bar{N}}(N-719) + B_{\bar{N}}(2331) + B_{\bar{N}}(N-720) = (N-719) + 2331 + (N-720) = 2N+892$$

$$(N \ge 2331)$$

$$B_{\bar{N}}(2N+931) = B_{\bar{N}}(2N+931-B_{\bar{N}}(2N+930)) + B_{\bar{N}}(2N+931-B_{\bar{N}}(2N+929)) + B_{\bar{N}}(2N+931-B_{\bar{N}}(2N+928))$$

$$= B_{\bar{N}}(2N+931-(2N+892)) + B_{\bar{N}}(2N+931-(N+1649)) + B_{\bar{N}}(2N+931-(2N-1401))$$

$$= B_{\bar{N}}(39) + B_{\bar{N}}(N-718) + B_{\bar{N}}(2332) = 39 + (N-718) + 2332 = N + 1653$$

$$(N \ge 2332)$$

$$B_{\bar{N}}(2N+932) = B_{\bar{N}}(2N+932-B_{\bar{N}}(2N+931)) + B_{\bar{N}}(2N+932-B_{\bar{N}}(2N+930)) + B_{\bar{N}}(2N+932-B_{\bar{N}}(2N+929))$$

$$= B_{\bar{N}}(2N+932-(N+1653)) + B_{\bar{N}}(2N+932-(2N+892)) + B_{\bar{N}}(2N+932-(N+1649))$$

$$= B_{\bar{N}}(N-721) + B_{\bar{N}}(40) + B_{\bar{N}}(N-717) = (N-721) + 40 + (N-717) = 2N-1398$$

$$(N > 722)$$

$$B_{\bar{N}}(2N+933) = B_{\bar{N}}(2N+933 - B_{\bar{N}}(2N+932)) + B_{\bar{N}}(2N+933 - B_{\bar{N}}(2N+931)) + B_{\bar{N}}(2N+933 - B_{\bar{N}}(2N+930))$$

$$= B_{\bar{N}}(2N+933 - (2N-1398)) + B_{\bar{N}}(2N+933 - (N+1653)) + B_{\bar{N}}(2N+933 - (2N+892))$$

$$= B_{\bar{N}}(2331) + B_{\bar{N}}(N-720) + B_{\bar{N}}(41) = 2331 + (N-720) + 41 = N + 1652$$

$$(N \ge 2331)$$

$$B_{\bar{N}}(2N+934) = B_{\bar{N}}(2N+934-B_{\bar{N}}(2N+933)) + B_{\bar{N}}(2N+934-B_{\bar{N}}(2N+932)) + B_{\bar{N}}(2N+934-B_{\bar{N}}(2N+931))$$

$$= B_{\bar{N}}(2N+934-(N+1652)) + B_{\bar{N}}(2N+934-(2N-1398)) + B_{\bar{N}}(2N+934-(N+1653))$$

$$= B_{\bar{N}}(N-718) + B_{\bar{N}}(2332) + B_{\bar{N}}(N-719) = (N-718) + 2332 + (N-719) = 2N+895$$

$$(N \ge 2332)$$

$$B_{\bar{N}}(2N+935) = B_{\bar{N}}(2N+935-B_{\bar{N}}(2N+934)) + B_{\bar{N}}(2N+935-B_{\bar{N}}(2N+933)) + B_{\bar{N}}(2N+935-B_{\bar{N}}(2N+932))$$

$$= B_{\bar{N}}(2N+935-(2N+895)) + B_{\bar{N}}(2N+935-(N+1652)) + B_{\bar{N}}(2N+935-(2N-1398))$$

$$= B_{\bar{N}}(40) + B_{\bar{N}}(N-717) + B_{\bar{N}}(2333) = 40 + (N-717) + 2333 = N + 1656$$

$$(N \ge 2333)$$

$$B_{\bar{N}}(2N+936) = B_{\bar{N}}(2N+936-B_{\bar{N}}(2N+935)) + B_{\bar{N}}(2N+936-B_{\bar{N}}(2N+934)) + B_{\bar{N}}(2N+936-B_{\bar{N}}(2N+933))$$

$$= B_{\bar{N}}(2N+936-(N+1656)) + B_{\bar{N}}(2N+936-(2N+895)) + B_{\bar{N}}(2N+936-(N+1652))$$

$$= B_{\bar{N}}(N-720) + B_{\bar{N}}(41) + B_{\bar{N}}(N-716) = (N-720) + 41 + (N-716) = 2N-1395$$

$$(N \ge 721)$$

$$B_{\bar{N}}(2N+937) = B_{\bar{N}}(2N+937 - B_{\bar{N}}(2N+936)) + B_{\bar{N}}(2N+937 - B_{\bar{N}}(2N+935)) + B_{\bar{N}}(2N+937 - B_{\bar{N}}(2N+934))$$

$$= B_{\bar{N}}(2N+937 - (2N-1395)) + B_{\bar{N}}(2N+937 - (N+1656)) + B_{\bar{N}}(2N+937 - (2N+895))$$

$$= B_{\bar{N}}(2332) + B_{\bar{N}}(N-719) + B_{\bar{N}}(42) = 2332 + (N-719) + 42 = N + 1655$$

$$(N > 2332)$$

$$B_{\bar{N}}(2N+938) = B_{\bar{N}}(2N+938-B_{\bar{N}}(2N+937)) + B_{\bar{N}}(2N+938-B_{\bar{N}}(2N+936)) + B_{\bar{N}}(2N+938-B_{\bar{N}}(2N+935))$$

$$= B_{\bar{N}}(2N+938-(N+1655)) + B_{\bar{N}}(2N+938-(2N-1395)) + B_{\bar{N}}(2N+938-(N+1656))$$

$$= B_{\bar{N}}(N-717) + B_{\bar{N}}(2333) + B_{\bar{N}}(N-718) = (N-717) + 2333 + (N-718) = 2N+898$$

$$(N \ge 2333)$$

$$B_{\bar{N}}(2N+939) = B_{\bar{N}}(2N+939 - B_{\bar{N}}(2N+938)) + B_{\bar{N}}(2N+939 - B_{\bar{N}}(2N+937)) + B_{\bar{N}}(2N+939 - B_{\bar{N}}(2N+936))$$

$$= B_{\bar{N}}(2N+939 - (2N+898)) + B_{\bar{N}}(2N+939 - (N+1655)) + B_{\bar{N}}(2N+939 - (2N-1395))$$

$$= B_{\bar{N}}(41) + B_{\bar{N}}(N-716) + B_{\bar{N}}(2334) = 41 + (N-716) + 2334 = N + 1659$$

$$(N \ge 2334)$$

$$B_{\bar{N}}(2N+940) = B_{\bar{N}}(2N+940 - B_{\bar{N}}(2N+939)) + B_{\bar{N}}(2N+940 - B_{\bar{N}}(2N+938)) + B_{\bar{N}}(2N+940 - B_{\bar{N}}(2N+937))$$

$$= B_{\bar{N}}(2N+940 - (N+1659)) + B_{\bar{N}}(2N+940 - (2N+898)) + B_{\bar{N}}(2N+940 - (N+1655))$$

$$= B_{\bar{N}}(N-719) + B_{\bar{N}}(42) + B_{\bar{N}}(N-715) = (N-719) + 42 + (N-715) = 2N-1392$$

$$(N \ge 720)$$

$$B_{\bar{N}}(2N+941) = B_{\bar{N}}(2N+941 - B_{\bar{N}}(2N+940)) + B_{\bar{N}}(2N+941 - B_{\bar{N}}(2N+939)) + B_{\bar{N}}(2N+941 - B_{\bar{N}}(2N+938))$$

$$= B_{\bar{N}}(2N+941 - (2N-1392)) + B_{\bar{N}}(2N+941 - (N+1659)) + B_{\bar{N}}(2N+941 - (2N+898))$$

$$= B_{\bar{N}}(2333) + B_{\bar{N}}(N-718) + B_{\bar{N}}(43) = 2333 + (N-718) + 43 = N + 1658$$

$$(N \ge 2333)$$

$$B_{\bar{N}}(2N+942) = B_{\bar{N}}(2N+942-B_{\bar{N}}(2N+941)) + B_{\bar{N}}(2N+942-B_{\bar{N}}(2N+940)) + B_{\bar{N}}(2N+942-B_{\bar{N}}(2N+939))$$

$$= B_{\bar{N}}(2N+942-(N+1658)) + B_{\bar{N}}(2N+942-(2N-1392)) + B_{\bar{N}}(2N+942-(N+1659))$$

$$= B_{\bar{N}}(N-716) + B_{\bar{N}}(2334) + B_{\bar{N}}(N-717) = (N-716) + 2334 + (N-717) = 2N+901$$

$$(N \ge 2334)$$

$$B_{\bar{N}}(2N+943) = B_{\bar{N}}(2N+943-B_{\bar{N}}(2N+942)) + B_{\bar{N}}(2N+943-B_{\bar{N}}(2N+941)) + B_{\bar{N}}(2N+943-B_{\bar{N}}(2N+940)) = B_{\bar{N}}(2N+943-(2N+901)) + B_{\bar{N}}(2N+943-(N+1658)) + B_{\bar{N}}(2N+943-(2N-1392)) = B_{\bar{N}}(42) + B_{\bar{N}}(N-715) + B_{\bar{N}}(2335) = 42 + (N-715) + 2335 = N+1662 (N \ge 2335)$$

$$B_{\bar{N}}(2N+944) = B_{\bar{N}}(2N+944-B_{\bar{N}}(2N+943)) + B_{\bar{N}}(2N+944-B_{\bar{N}}(2N+942)) + B_{\bar{N}}(2N+944-B_{\bar{N}}(2N+941))$$

$$= B_{\bar{N}}(2N+944-(N+1662)) + B_{\bar{N}}(2N+944-(2N+901)) + B_{\bar{N}}(2N+944-(N+1658))$$

$$= B_{\bar{N}}(N-718) + B_{\bar{N}}(43) + B_{\bar{N}}(N-714) = (N-718) + 43 + (N-714) = 2N-1389$$

$$(N \ge 719)$$

$$B_{\bar{N}}(2N+945) = B_{\bar{N}}(2N+945 - B_{\bar{N}}(2N+944)) + B_{\bar{N}}(2N+945 - B_{\bar{N}}(2N+943)) + B_{\bar{N}}(2N+945 - B_{\bar{N}}(2N+942))$$

$$= B_{\bar{N}}(2N+945 - (2N-1389)) + B_{\bar{N}}(2N+945 - (N+1662)) + B_{\bar{N}}(2N+945 - (2N+901))$$

$$= B_{\bar{N}}(2334) + B_{\bar{N}}(N-717) + B_{\bar{N}}(44) = 2334 + (N-717) + 44 = N + 1661$$

$$(N \ge 2334)$$

$$B_{\bar{N}}(2N+946) = B_{\bar{N}}(2N+946-B_{\bar{N}}(2N+945)) + B_{\bar{N}}(2N+946-B_{\bar{N}}(2N+944)) + B_{\bar{N}}(2N+946-B_{\bar{N}}(2N+943))$$

$$= B_{\bar{N}}(2N+946-(N+1661)) + B_{\bar{N}}(2N+946-(2N-1389)) + B_{\bar{N}}(2N+946-(N+1662))$$

$$= B_{\bar{N}}(N-715) + B_{\bar{N}}(2335) + B_{\bar{N}}(N-716) = (N-715) + 2335 + (N-716) = 2N+904$$

$$(N \ge 2335)$$

$$B_{\bar{N}}(2N+947) = B_{\bar{N}}(2N+947 - B_{\bar{N}}(2N+946)) + B_{\bar{N}}(2N+947 - B_{\bar{N}}(2N+945)) + B_{\bar{N}}(2N+947 - B_{\bar{N}}(2N+944))$$

$$= B_{\bar{N}}(2N+947 - (2N+904)) + B_{\bar{N}}(2N+947 - (N+1661)) + B_{\bar{N}}(2N+947 - (2N-1389))$$

$$= B_{\bar{N}}(43) + B_{\bar{N}}(N-714) + B_{\bar{N}}(2336) = 43 + (N-714) + 2336 = N + 1665$$

$$(N > 2336)$$

$$B_{\bar{N}}(2N+948) = B_{\bar{N}}(2N+948 - B_{\bar{N}}(2N+947)) + B_{\bar{N}}(2N+948 - B_{\bar{N}}(2N+946)) + B_{\bar{N}}(2N+948 - B_{\bar{N}}(2N+945))$$

$$= B_{\bar{N}}(2N+948 - (N+1665)) + B_{\bar{N}}(2N+948 - (2N+904)) + B_{\bar{N}}(2N+948 - (N+1661))$$

$$= B_{\bar{N}}(N-717) + B_{\bar{N}}(44) + B_{\bar{N}}(N-713) = (N-717) + 44 + (N-713) = 2N-1386$$

$$(N \ge 718)$$

$$B_{\bar{N}}(2N+949) = B_{\bar{N}}(2N+949 - B_{\bar{N}}(2N+948)) + B_{\bar{N}}(2N+949 - B_{\bar{N}}(2N+947)) + B_{\bar{N}}(2N+949 - B_{\bar{N}}(2N+946))$$

$$= B_{\bar{N}}(2N+949 - (2N-1386)) + B_{\bar{N}}(2N+949 - (N+1665)) + B_{\bar{N}}(2N+949 - (2N+904))$$

$$= B_{\bar{N}}(2335) + B_{\bar{N}}(N-716) + B_{\bar{N}}(45) = 2335 + (N-716) + 45 = N + 1664$$

$$(N \ge 2335)$$

$$B_{\bar{N}}(2N+950) = B_{\bar{N}}(2N+950 - B_{\bar{N}}(2N+949)) + B_{\bar{N}}(2N+950 - B_{\bar{N}}(2N+948)) + B_{\bar{N}}(2N+950 - B_{\bar{N}}(2N+947))$$

$$= B_{\bar{N}}(2N+950 - (N+1664)) + B_{\bar{N}}(2N+950 - (2N-1386)) + B_{\bar{N}}(2N+950 - (N+1665))$$

$$= B_{\bar{N}}(N-714) + B_{\bar{N}}(2336) + B_{\bar{N}}(N-715) = (N-714) + 2336 + (N-715) = 2N+907$$

$$(N \ge 2336)$$

$$B_{\bar{N}}(2N+951) = B_{\bar{N}}(2N+951 - B_{\bar{N}}(2N+950)) + B_{\bar{N}}(2N+951 - B_{\bar{N}}(2N+949)) + B_{\bar{N}}(2N+951 - B_{\bar{N}}(2N+948))$$

$$= B_{\bar{N}}(2N+951 - (2N+907)) + B_{\bar{N}}(2N+951 - (N+1664)) + B_{\bar{N}}(2N+951 - (2N-1386))$$

$$= B_{\bar{N}}(44) + B_{\bar{N}}(N-713) + B_{\bar{N}}(2337) = 44 + (N-713) + 2337 = N + 1668$$

$$(N \ge 2337)$$

$$B_{\bar{N}}(2N+952) = B_{\bar{N}}(2N+952 - B_{\bar{N}}(2N+951)) + B_{\bar{N}}(2N+952 - B_{\bar{N}}(2N+950)) + B_{\bar{N}}(2N+952 - B_{\bar{N}}(2N+949))$$

$$= B_{\bar{N}}(2N+952 - (N+1668)) + B_{\bar{N}}(2N+952 - (2N+907)) + B_{\bar{N}}(2N+952 - (N+1664))$$

$$= B_{\bar{N}}(N-716) + B_{\bar{N}}(45) + B_{\bar{N}}(N-712) = (N-716) + 45 + (N-712) = 2N-1383$$

$$(N > 717)$$

$$B_{\bar{N}}(2N+953) = B_{\bar{N}}(2N+953 - B_{\bar{N}}(2N+952)) + B_{\bar{N}}(2N+953 - B_{\bar{N}}(2N+951)) + B_{\bar{N}}(2N+953 - B_{\bar{N}}(2N+950))$$

$$= B_{\bar{N}}(2N+953 - (2N-1383)) + B_{\bar{N}}(2N+953 - (N+1668)) + B_{\bar{N}}(2N+953 - (2N+907))$$

$$= B_{\bar{N}}(2336) + B_{\bar{N}}(N-715) + B_{\bar{N}}(46) = 2336 + (N-715) + 46 = N + 1667$$

$$(N \ge 2336)$$

$$B_{\bar{N}}(2N+954) = B_{\bar{N}}(2N+954 - B_{\bar{N}}(2N+953)) + B_{\bar{N}}(2N+954 - B_{\bar{N}}(2N+952)) + B_{\bar{N}}(2N+954 - B_{\bar{N}}(2N+951))$$

$$= B_{\bar{N}}(2N+954 - (N+1667)) + B_{\bar{N}}(2N+954 - (2N-1383)) + B_{\bar{N}}(2N+954 - (N+1668))$$

$$= B_{\bar{N}}(N-713) + B_{\bar{N}}(2337) + B_{\bar{N}}(N-714) = (N-713) + 2337 + (N-714) = 2N+910$$

$$(N \ge 2337)$$

$$B_{\bar{N}}(2N+955) = B_{\bar{N}}(2N+955 - B_{\bar{N}}(2N+954)) + B_{\bar{N}}(2N+955 - B_{\bar{N}}(2N+953)) + B_{\bar{N}}(2N+955 - B_{\bar{N}}(2N+952))$$

$$= B_{\bar{N}}(2N+955 - (2N+910)) + B_{\bar{N}}(2N+955 - (N+1667)) + B_{\bar{N}}(2N+955 - (2N-1383))$$

$$= B_{\bar{N}}(45) + B_{\bar{N}}(N-712) + B_{\bar{N}}(2338) = 45 + (N-712) + 2338 = N + 1671$$

$$(N \ge 2338)$$

$$B_{\bar{N}}(2N+956) = B_{\bar{N}}(2N+956 - B_{\bar{N}}(2N+955)) + B_{\bar{N}}(2N+956 - B_{\bar{N}}(2N+954)) + B_{\bar{N}}(2N+956 - B_{\bar{N}}(2N+953))$$

$$= B_{\bar{N}}(2N+956 - (N+1671)) + B_{\bar{N}}(2N+956 - (2N+910)) + B_{\bar{N}}(2N+956 - (N+1667))$$

$$= B_{\bar{N}}(N-715) + B_{\bar{N}}(46) + B_{\bar{N}}(N-711) = (N-715) + 46 + (N-711) = 2N-1380$$

$$(N \ge 716)$$

$$B_{\bar{N}}(2N+957) = B_{\bar{N}}(2N+957 - B_{\bar{N}}(2N+956)) + B_{\bar{N}}(2N+957 - B_{\bar{N}}(2N+955)) + B_{\bar{N}}(2N+957 - B_{\bar{N}}(2N+954))$$

$$= B_{\bar{N}}(2N+957 - (2N-1380)) + B_{\bar{N}}(2N+957 - (N+1671)) + B_{\bar{N}}(2N+957 - (2N+910))$$

$$= B_{\bar{N}}(2337) + B_{\bar{N}}(N-714) + B_{\bar{N}}(47) = 2337 + (N-714) + 47 = N + 1670$$

$$(N \ge 2337)$$

$$B_{\bar{N}}(2N+958) = B_{\bar{N}}(2N+958 - B_{\bar{N}}(2N+957)) + B_{\bar{N}}(2N+958 - B_{\bar{N}}(2N+956)) + B_{\bar{N}}(2N+958 - B_{\bar{N}}(2N+955))$$

$$= B_{\bar{N}}(2N+958 - (N+1670)) + B_{\bar{N}}(2N+958 - (2N-1380)) + B_{\bar{N}}(2N+958 - (N+1671))$$

$$= B_{\bar{N}}(N-712) + B_{\bar{N}}(2338) + B_{\bar{N}}(N-713) = (N-712) + 2338 + (N-713) = 2N+913$$

$$(N \ge 2338)$$

$$B_{\bar{N}}(2N+959) = B_{\bar{N}}(2N+959 - B_{\bar{N}}(2N+958)) + B_{\bar{N}}(2N+959 - B_{\bar{N}}(2N+957)) + B_{\bar{N}}(2N+959 - B_{\bar{N}}(2N+956))$$

$$= B_{\bar{N}}(2N+959 - (2N+913)) + B_{\bar{N}}(2N+959 - (N+1670)) + B_{\bar{N}}(2N+959 - (2N-1380))$$

$$= B_{\bar{N}}(46) + B_{\bar{N}}(N-711) + B_{\bar{N}}(2339) = 46 + (N-711) + 2339 = N + 1674$$

$$(N \ge 2339)$$

$$B_{\bar{N}}(2N+960) = B_{\bar{N}}(2N+960 - B_{\bar{N}}(2N+959)) + B_{\bar{N}}(2N+960 - B_{\bar{N}}(2N+958)) + B_{\bar{N}}(2N+960 - B_{\bar{N}}(2N+957))$$

$$= B_{\bar{N}}(2N+960 - (N+1674)) + B_{\bar{N}}(2N+960 - (2N+913)) + B_{\bar{N}}(2N+960 - (N+1670))$$

$$= B_{\bar{N}}(N-714) + B_{\bar{N}}(47) + B_{\bar{N}}(N-710) = (N-714) + 47 + (N-710) = 2N-1377$$

$$(N \ge 715)$$

$$B_{\bar{N}}(2N+961) = B_{\bar{N}}(2N+961 - B_{\bar{N}}(2N+960)) + B_{\bar{N}}(2N+961 - B_{\bar{N}}(2N+959)) + B_{\bar{N}}(2N+961 - B_{\bar{N}}(2N+958))$$

$$= B_{\bar{N}}(2N+961 - (2N-1377)) + B_{\bar{N}}(2N+961 - (N+1674)) + B_{\bar{N}}(2N+961 - (2N+913))$$

$$= B_{\bar{N}}(2338) + B_{\bar{N}}(N-713) + B_{\bar{N}}(48) = 2338 + (N-713) + 48 = N + 1673$$

$$(N \ge 2338)$$

$$B_{\bar{N}}(2N+962) = B_{\bar{N}}(2N+962 - B_{\bar{N}}(2N+961)) + B_{\bar{N}}(2N+962 - B_{\bar{N}}(2N+960)) + B_{\bar{N}}(2N+962 - B_{\bar{N}}(2N+959))$$

$$= B_{\bar{N}}(2N+962 - (N+1673)) + B_{\bar{N}}(2N+962 - (2N-1377)) + B_{\bar{N}}(2N+962 - (N+1674))$$

$$= B_{\bar{N}}(N-711) + B_{\bar{N}}(2339) + B_{\bar{N}}(N-712) = (N-711) + 2339 + (N-712) = 2N+916$$

$$(N > 2339)$$

$$B_{\bar{N}}(2N+963) = B_{\bar{N}}(2N+963 - B_{\bar{N}}(2N+962)) + B_{\bar{N}}(2N+963 - B_{\bar{N}}(2N+961)) + B_{\bar{N}}(2N+963 - B_{\bar{N}}(2N+960))$$

$$= B_{\bar{N}}(2N+963 - (2N+916)) + B_{\bar{N}}(2N+963 - (N+1673)) + B_{\bar{N}}(2N+963 - (2N-1377))$$

$$= B_{\bar{N}}(47) + B_{\bar{N}}(N-710) + B_{\bar{N}}(2340) = 47 + (N-710) + 2340 = N + 1677$$

$$(N \ge 2340)$$

$$B_{\bar{N}}(2N+964) = B_{\bar{N}}(2N+964 - B_{\bar{N}}(2N+963)) + B_{\bar{N}}(2N+964 - B_{\bar{N}}(2N+962)) + B_{\bar{N}}(2N+964 - B_{\bar{N}}(2N+961))$$

$$= B_{\bar{N}}(2N+964 - (N+1677)) + B_{\bar{N}}(2N+964 - (2N+916)) + B_{\bar{N}}(2N+964 - (N+1673))$$

$$= B_{\bar{N}}(N-713) + B_{\bar{N}}(48) + B_{\bar{N}}(N-709) = (N-713) + 48 + (N-709) = 2N-1374$$

$$(N \ge 714)$$

$$B_{\bar{N}}(2N+965) = B_{\bar{N}}(2N+965 - B_{\bar{N}}(2N+964)) + B_{\bar{N}}(2N+965 - B_{\bar{N}}(2N+963)) + B_{\bar{N}}(2N+965 - B_{\bar{N}}(2N+962))$$

$$= B_{\bar{N}}(2N+965 - (2N-1374)) + B_{\bar{N}}(2N+965 - (N+1677)) + B_{\bar{N}}(2N+965 - (2N+916))$$

$$= B_{\bar{N}}(2339) + B_{\bar{N}}(N-712) + B_{\bar{N}}(49) = 2339 + (N-712) + 49 = N + 1676$$

$$(N \ge 2339)$$

$$B_{\bar{N}}(2N+966) = B_{\bar{N}}(2N+966 - B_{\bar{N}}(2N+965)) + B_{\bar{N}}(2N+966 - B_{\bar{N}}(2N+964)) + B_{\bar{N}}(2N+966 - B_{\bar{N}}(2N+963))$$

$$= B_{\bar{N}}(2N+966 - (N+1676)) + B_{\bar{N}}(2N+966 - (2N-1374)) + B_{\bar{N}}(2N+966 - (N+1677))$$

$$= B_{\bar{N}}(N-710) + B_{\bar{N}}(2340) + B_{\bar{N}}(N-711) = (N-710) + 2340 + (N-711) = 2N+919$$

$$(N \ge 2340)$$

$$B_{\bar{N}}(2N+967) = B_{\bar{N}}(2N+967 - B_{\bar{N}}(2N+966)) + B_{\bar{N}}(2N+967 - B_{\bar{N}}(2N+965)) + B_{\bar{N}}(2N+967 - B_{\bar{N}}(2N+964))$$

$$= B_{\bar{N}}(2N+967 - (2N+919)) + B_{\bar{N}}(2N+967 - (N+1676)) + B_{\bar{N}}(2N+967 - (2N-1374))$$

$$= B_{\bar{N}}(48) + B_{\bar{N}}(N-709) + B_{\bar{N}}(2341) = 48 + (N-709) + 2341 = N + 1680$$

$$(N > 2341)$$

$$B_{\bar{N}}(2N+968) = B_{\bar{N}}(2N+968-B_{\bar{N}}(2N+967)) + B_{\bar{N}}(2N+968-B_{\bar{N}}(2N+966)) + B_{\bar{N}}(2N+968-B_{\bar{N}}(2N+965))$$

$$= B_{\bar{N}}(2N+968-(N+1680)) + B_{\bar{N}}(2N+968-(2N+919)) + B_{\bar{N}}(2N+968-(N+1676))$$

$$= B_{\bar{N}}(N-712) + B_{\bar{N}}(49) + B_{\bar{N}}(N-708) = (N-712) + 49 + (N-708) = 2N-1371$$

$$(N \ge 713)$$

$$B_{\bar{N}}(2N+969) = B_{\bar{N}}(2N+969 - B_{\bar{N}}(2N+968)) + B_{\bar{N}}(2N+969 - B_{\bar{N}}(2N+967)) + B_{\bar{N}}(2N+969 - B_{\bar{N}}(2N+969))$$

$$= B_{\bar{N}}(2N+969 - (2N-1371)) + B_{\bar{N}}(2N+969 - (N+1680)) + B_{\bar{N}}(2N+969 - (2N+919))$$

$$= B_{\bar{N}}(2340) + B_{\bar{N}}(N-711) + B_{\bar{N}}(50) = 2340 + (N-711) + 50 = N+1679$$

$$(N \ge 2340)$$

$$B_{\bar{N}}(2N+970) = B_{\bar{N}}(2N+970 - B_{\bar{N}}(2N+969)) + B_{\bar{N}}(2N+970 - B_{\bar{N}}(2N+968)) + B_{\bar{N}}(2N+970 - B_{\bar{N}}(2N+967))$$

$$= B_{\bar{N}}(2N+970 - (N+1679)) + B_{\bar{N}}(2N+970 - (2N-1371)) + B_{\bar{N}}(2N+970 - (N+1680))$$

$$= B_{\bar{N}}(N-709) + B_{\bar{N}}(2341) + B_{\bar{N}}(N-710) = (N-709) + 2341 + (N-710) = 2N+922$$

$$(N \ge 2341)$$

$$B_{\bar{N}}(2N+971) = B_{\bar{N}}(2N+971 - B_{\bar{N}}(2N+970)) + B_{\bar{N}}(2N+971 - B_{\bar{N}}(2N+969)) + B_{\bar{N}}(2N+971 - B_{\bar{N}}(2N+968))$$

$$= B_{\bar{N}}(2N+971 - (2N+922)) + B_{\bar{N}}(2N+971 - (N+1679)) + B_{\bar{N}}(2N+971 - (2N-1371))$$

$$= B_{\bar{N}}(49) + B_{\bar{N}}(N-708) + B_{\bar{N}}(2342) = 49 + (N-708) + 2342 = N + 1683$$

$$(N \ge 2342)$$

$$B_{\bar{N}}(2N+972) = B_{\bar{N}}(2N+972-B_{\bar{N}}(2N+971)) + B_{\bar{N}}(2N+972-B_{\bar{N}}(2N+970)) + B_{\bar{N}}(2N+972-B_{\bar{N}}(2N+969))$$

$$= B_{\bar{N}}(2N+972-(N+1683)) + B_{\bar{N}}(2N+972-(2N+922)) + B_{\bar{N}}(2N+972-(N+1679))$$

$$= B_{\bar{N}}(N-711) + B_{\bar{N}}(50) + B_{\bar{N}}(N-707) = (N-711) + 50 + (N-707) = 2N-1368$$

$$(N \ge 712)$$

$$B_{\bar{N}}(2N+973) = B_{\bar{N}}(2N+973-B_{\bar{N}}(2N+972)) + B_{\bar{N}}(2N+973-B_{\bar{N}}(2N+971)) + B_{\bar{N}}(2N+973-B_{\bar{N}}(2N+970)) + B_{\bar{N}}(2N+973-(2N-1368)) + B_{\bar{N}}(2N+973-(N+1683)) + B_{\bar{N}}(2N+973-(2N+922)) + B_{\bar{N}}(2341) + B_{\bar{N}}(N-710) + B_{\bar{N}}(51) = 2341 + (N-710) + 51 = N + 1682$$

$$(N \ge 2341)$$

$$B_{\bar{N}}(2N+974) = B_{\bar{N}}(2N+974-B_{\bar{N}}(2N+973)) + B_{\bar{N}}(2N+974-B_{\bar{N}}(2N+972)) + B_{\bar{N}}(2N+974-B_{\bar{N}}(2N+971))$$

$$= B_{\bar{N}}(2N+974-(N+1682)) + B_{\bar{N}}(2N+974-(2N-1368)) + B_{\bar{N}}(2N+974-(N+1683))$$

$$= B_{\bar{N}}(N-708) + B_{\bar{N}}(2342) + B_{\bar{N}}(N-709) = (N-708) + 2342 + (N-709) = 2N+925$$

$$(N \ge 2342)$$

$$B_{\bar{N}}(2N+975) = B_{\bar{N}}(2N+975 - B_{\bar{N}}(2N+974)) + B_{\bar{N}}(2N+975 - B_{\bar{N}}(2N+973)) + B_{\bar{N}}(2N+975 - B_{\bar{N}}(2N+972))$$

$$= B_{\bar{N}}(2N+975 - (2N+925)) + B_{\bar{N}}(2N+975 - (N+1682)) + B_{\bar{N}}(2N+975 - (2N-1368))$$

$$= B_{\bar{N}}(50) + B_{\bar{N}}(N-707) + B_{\bar{N}}(2343) = 50 + (N-707) + 2343 = N + 1686$$

$$(N \ge 2343)$$

$$B_{\bar{N}}(2N+976) = B_{\bar{N}}(2N+976 - B_{\bar{N}}(2N+975)) + B_{\bar{N}}(2N+976 - B_{\bar{N}}(2N+974)) + B_{\bar{N}}(2N+976 - B_{\bar{N}}(2N+973))$$

$$= B_{\bar{N}}(2N+976 - (N+1686)) + B_{\bar{N}}(2N+976 - (2N+925)) + B_{\bar{N}}(2N+976 - (N+1682))$$

$$= B_{\bar{N}}(N-710) + B_{\bar{N}}(51) + B_{\bar{N}}(N-706) = (N-710) + 51 + (N-706) = 2N - 1365$$

$$(N \ge 711)$$

$$B_{\bar{N}}(2N+977) = B_{\bar{N}}(2N+977 - B_{\bar{N}}(2N+976)) + B_{\bar{N}}(2N+977 - B_{\bar{N}}(2N+975)) + B_{\bar{N}}(2N+977 - B_{\bar{N}}(2N+974))$$

$$= B_{\bar{N}}(2N+977 - (2N-1365)) + B_{\bar{N}}(2N+977 - (N+1686)) + B_{\bar{N}}(2N+977 - (2N+925))$$

$$= B_{\bar{N}}(2342) + B_{\bar{N}}(N-709) + B_{\bar{N}}(52) = 2342 + (N-709) + 52 = N + 1685$$

$$(N \ge 2342)$$

$$B_{\bar{N}}(2N+978) = B_{\bar{N}}(2N+978-B_{\bar{N}}(2N+977)) + B_{\bar{N}}(2N+978-B_{\bar{N}}(2N+976)) + B_{\bar{N}}(2N+978-B_{\bar{N}}(2N+975)) + B_{\bar{N}}(2N+978-(N+1685)) + B_{\bar{N}}(2N+978-(N+1685)) + B_{\bar{N}}(2N+978-(N+1686)) + B_{\bar{N}}(2N+978) + B_{\bar{N}}($$

$$B_{\bar{N}}(2N+979) = B_{\bar{N}}(2N+979 - B_{\bar{N}}(2N+978)) + B_{\bar{N}}(2N+979 - B_{\bar{N}}(2N+977)) + B_{\bar{N}}(2N+979 - B_{\bar{N}}(2N+976))$$

$$= B_{\bar{N}}(2N+979 - (2N+928)) + B_{\bar{N}}(2N+979 - (N+1685)) + B_{\bar{N}}(2N+979 - (2N-1365))$$

$$= B_{\bar{N}}(51) + B_{\bar{N}}(N-706) + B_{\bar{N}}(2344) = 51 + (N-706) + 2344 = N + 1689$$

$$(N \ge 2344)$$

$$B_{\bar{N}}(2N+980) = B_{\bar{N}}(2N+980 - B_{\bar{N}}(2N+979)) + B_{\bar{N}}(2N+980 - B_{\bar{N}}(2N+978)) + B_{\bar{N}}(2N+980 - B_{\bar{N}}(2N+977))$$

$$= B_{\bar{N}}(2N+980 - (N+1689)) + B_{\bar{N}}(2N+980 - (2N+928)) + B_{\bar{N}}(2N+980 - (N+1685))$$

$$= B_{\bar{N}}(N-709) + B_{\bar{N}}(52) + B_{\bar{N}}(N-705) = (N-709) + 52 + (N-705) = 2N-1362$$

$$(N \ge 710)$$

$$B_{\bar{N}}(2N+981) = B_{\bar{N}}(2N+981 - B_{\bar{N}}(2N+980)) + B_{\bar{N}}(2N+981 - B_{\bar{N}}(2N+979)) + B_{\bar{N}}(2N+981 - B_{\bar{N}}(2N+978))$$

$$= B_{\bar{N}}(2N+981 - (2N-1362)) + B_{\bar{N}}(2N+981 - (N+1689)) + B_{\bar{N}}(2N+981 - (2N+928))$$

$$= B_{\bar{N}}(2343) + B_{\bar{N}}(N-708) + B_{\bar{N}}(53) = 2343 + (N-708) + 53 = N + 1688$$

$$(N \ge 2343)$$

$$B_{\bar{N}}(2N+982) = B_{\bar{N}}(2N+982 - B_{\bar{N}}(2N+981)) + B_{\bar{N}}(2N+982 - B_{\bar{N}}(2N+980)) + B_{\bar{N}}(2N+982 - B_{\bar{N}}(2N+979))$$

$$= B_{\bar{N}}(2N+982 - (N+1688)) + B_{\bar{N}}(2N+982 - (2N-1362)) + B_{\bar{N}}(2N+982 - (N+1689))$$

$$= B_{\bar{N}}(N-706) + B_{\bar{N}}(2344) + B_{\bar{N}}(N-707) = (N-706) + 2344 + (N-707) = 2N+931$$

$$(N \ge 2344)$$

$$B_{\bar{N}}(2N+983) = B_{\bar{N}}(2N+983-B_{\bar{N}}(2N+982)) + B_{\bar{N}}(2N+983-B_{\bar{N}}(2N+981)) + B_{\bar{N}}(2N+983-B_{\bar{N}}(2N+980)) + B_{\bar{N}}(2N+983-(2N+931)) + B_{\bar{N}}(2N+983-(N+1688)) + B_{\bar{N}}(2N+983-(2N-1362)) + B_{\bar{N}}(52) + B_{\bar{N}}(N-705) + B_{\bar{N}}(2345) = 52 + (N-705) + 2345 = N + 1692$$

$$(N \ge 2345)$$

$$B_{\bar{N}}(2N+984) = B_{\bar{N}}(2N+984 - B_{\bar{N}}(2N+983)) + B_{\bar{N}}(2N+984 - B_{\bar{N}}(2N+982)) + B_{\bar{N}}(2N+984 - B_{\bar{N}}(2N+981))$$

$$= B_{\bar{N}}(2N+984 - (N+1692)) + B_{\bar{N}}(2N+984 - (2N+931)) + B_{\bar{N}}(2N+984 - (N+1688))$$

$$= B_{\bar{N}}(N-708) + B_{\bar{N}}(53) + B_{\bar{N}}(N-704) = (N-708) + 53 + (N-704) = 2N-1359$$

$$(N \ge 709)$$

$$B_{\bar{N}}(2N+985) = B_{\bar{N}}(2N+985 - B_{\bar{N}}(2N+984)) + B_{\bar{N}}(2N+985 - B_{\bar{N}}(2N+983)) + B_{\bar{N}}(2N+985 - B_{\bar{N}}(2N+982))$$

$$= B_{\bar{N}}(2N+985 - (2N-1359)) + B_{\bar{N}}(2N+985 - (N+1692)) + B_{\bar{N}}(2N+985 - (2N+931))$$

$$= B_{\bar{N}}(2344) + B_{\bar{N}}(N-707) + B_{\bar{N}}(54) = 2344 + (N-707) + 54 = N + 1691$$

$$(N \ge 2344)$$

$$B_{\bar{N}}(2N+986) = B_{\bar{N}}(2N+986-B_{\bar{N}}(2N+985)) + B_{\bar{N}}(2N+986-B_{\bar{N}}(2N+984)) + B_{\bar{N}}(2N+986-B_{\bar{N}}(2N+983))$$

$$= B_{\bar{N}}(2N+986-(N+1691)) + B_{\bar{N}}(2N+986-(2N-1359)) + B_{\bar{N}}(2N+986-(N+1692))$$

$$= B_{\bar{N}}(N-705) + B_{\bar{N}}(2345) + B_{\bar{N}}(N-706) = (N-705) + 2345 + (N-706) = 2N+934$$

$$(N \ge 2345)$$

$$B_{\bar{N}}(2N+987) = B_{\bar{N}}(2N+987 - B_{\bar{N}}(2N+986)) + B_{\bar{N}}(2N+987 - B_{\bar{N}}(2N+985)) + B_{\bar{N}}(2N+987 - B_{\bar{N}}(2N+984))$$

$$= B_{\bar{N}}(2N+987 - (2N+934)) + B_{\bar{N}}(2N+987 - (N+1691)) + B_{\bar{N}}(2N+987 - (2N-1359))$$

$$= B_{\bar{N}}(53) + B_{\bar{N}}(N-704) + B_{\bar{N}}(2346) = 53 + (N-704) + 2346 = N + 1695$$

$$(N > 2346)$$

$$B_{\bar{N}}(2N+988) = B_{\bar{N}}(2N+988-B_{\bar{N}}(2N+987)) + B_{\bar{N}}(2N+988-B_{\bar{N}}(2N+986)) + B_{\bar{N}}(2N+988-B_{\bar{N}}(2N+985))$$

$$= B_{\bar{N}}(2N+988-(N+1695)) + B_{\bar{N}}(2N+988-(2N+934)) + B_{\bar{N}}(2N+988-(N+1691))$$

$$= B_{\bar{N}}(N-707) + B_{\bar{N}}(54) + B_{\bar{N}}(N-703) = (N-707) + 54 + (N-703) = 2N-1356$$

$$(N \ge 708)$$

$$B_{\bar{N}}(2N+989) = B_{\bar{N}}(2N+989 - B_{\bar{N}}(2N+988)) + B_{\bar{N}}(2N+989 - B_{\bar{N}}(2N+987)) + B_{\bar{N}}(2N+989 - B_{\bar{N}}(2N+989))$$

$$= B_{\bar{N}}(2N+989 - (2N-1356)) + B_{\bar{N}}(2N+989 - (N+1695)) + B_{\bar{N}}(2N+989 - (2N+934))$$

$$= B_{\bar{N}}(2345) + B_{\bar{N}}(N-706) + B_{\bar{N}}(55) = 2345 + (N-706) + 55 = N + 1694$$

$$(N \ge 2345)$$

$$B_{\bar{N}}(2N+990) = B_{\bar{N}}(2N+990 - B_{\bar{N}}(2N+989)) + B_{\bar{N}}(2N+990 - B_{\bar{N}}(2N+988)) + B_{\bar{N}}(2N+990 - B_{\bar{N}}(2N+987))$$

$$= B_{\bar{N}}(2N+990 - (N+1694)) + B_{\bar{N}}(2N+990 - (2N-1356)) + B_{\bar{N}}(2N+990 - (N+1695))$$

$$= B_{\bar{N}}(N-704) + B_{\bar{N}}(2346) + B_{\bar{N}}(N-705) = (N-704) + 2346 + (N-705) = 2N+937$$

$$(N \ge 2346)$$

$$B_{\bar{N}}(2N+991) = B_{\bar{N}}(2N+991 - B_{\bar{N}}(2N+990)) + B_{\bar{N}}(2N+991 - B_{\bar{N}}(2N+989)) + B_{\bar{N}}(2N+991 - B_{\bar{N}}(2N+988))$$

$$= B_{\bar{N}}(2N+991 - (2N+937)) + B_{\bar{N}}(2N+991 - (N+1694)) + B_{\bar{N}}(2N+991 - (2N-1356))$$

$$= B_{\bar{N}}(54) + B_{\bar{N}}(N-703) + B_{\bar{N}}(2347) = 54 + (N-703) + 2347 = N + 1698$$

$$(N \ge 2347)$$

$$B_{\bar{N}}(2N+992) = B_{\bar{N}}(2N+992-B_{\bar{N}}(2N+991)) + B_{\bar{N}}(2N+992-B_{\bar{N}}(2N+990)) + B_{\bar{N}}(2N+992-B_{\bar{N}}(2N+989))$$

$$= B_{\bar{N}}(2N+992-(N+1698)) + B_{\bar{N}}(2N+992-(2N+937)) + B_{\bar{N}}(2N+992-(N+1694))$$

$$= B_{\bar{N}}(N-706) + B_{\bar{N}}(55) + B_{\bar{N}}(N-702) = (N-706) + 55 + (N-702) = 2N-1353$$

$$(N > 707)$$

$$B_{\bar{N}}(2N+993) = B_{\bar{N}}(2N+993 - B_{\bar{N}}(2N+992)) + B_{\bar{N}}(2N+993 - B_{\bar{N}}(2N+991)) + B_{\bar{N}}(2N+993 - B_{\bar{N}}(2N+990))$$

$$= B_{\bar{N}}(2N+993 - (2N-1353)) + B_{\bar{N}}(2N+993 - (N+1698)) + B_{\bar{N}}(2N+993 - (2N+937))$$

$$= B_{\bar{N}}(2346) + B_{\bar{N}}(N-705) + B_{\bar{N}}(56) = 2346 + (N-705) + 56 = N+1697$$

$$(N \ge 2346)$$

$$B_{\bar{N}}(2N+994) = B_{\bar{N}}(2N+994-B_{\bar{N}}(2N+993)) + B_{\bar{N}}(2N+994-B_{\bar{N}}(2N+992)) + B_{\bar{N}}(2N+994-B_{\bar{N}}(2N+991))$$

$$= B_{\bar{N}}(2N+994-(N+1697)) + B_{\bar{N}}(2N+994-(2N-1353)) + B_{\bar{N}}(2N+994-(N+1698))$$

$$= B_{\bar{N}}(N-703) + B_{\bar{N}}(2347) + B_{\bar{N}}(N-704) = (N-703) + 2347 + (N-704) = 2N+940$$

$$(N \ge 2347)$$

$$B_{\bar{N}}(2N+995) = B_{\bar{N}}(2N+995 - B_{\bar{N}}(2N+994)) + B_{\bar{N}}(2N+995 - B_{\bar{N}}(2N+993)) + B_{\bar{N}}(2N+995 - B_{\bar{N}}(2N+992))$$

$$= B_{\bar{N}}(2N+995 - (2N+940)) + B_{\bar{N}}(2N+995 - (N+1697)) + B_{\bar{N}}(2N+995 - (2N-1353))$$

$$= B_{\bar{N}}(55) + B_{\bar{N}}(N-702) + B_{\bar{N}}(2348) = 55 + (N-702) + 2348 = N + 1701$$

$$(N \ge 2348)$$

$$B_{\bar{N}}(2N+996) = B_{\bar{N}}(2N+996 - B_{\bar{N}}(2N+995)) + B_{\bar{N}}(2N+996 - B_{\bar{N}}(2N+994)) + B_{\bar{N}}(2N+996 - B_{\bar{N}}(2N+993))$$

$$= B_{\bar{N}}(2N+996 - (N+1701)) + B_{\bar{N}}(2N+996 - (2N+940)) + B_{\bar{N}}(2N+996 - (N+1697))$$

$$= B_{\bar{N}}(N-705) + B_{\bar{N}}(56) + B_{\bar{N}}(N-701) = (N-705) + 56 + (N-701) = 2N-1350$$

$$(N \ge 706)$$

$$B_{\bar{N}}(2N+997) = B_{\bar{N}}(2N+997 - B_{\bar{N}}(2N+996)) + B_{\bar{N}}(2N+997 - B_{\bar{N}}(2N+995)) + B_{\bar{N}}(2N+997 - B_{\bar{N}}(2N+994))$$

$$= B_{\bar{N}}(2N+997 - (2N-1350)) + B_{\bar{N}}(2N+997 - (N+1701)) + B_{\bar{N}}(2N+997 - (2N+940))$$

$$= B_{\bar{N}}(2347) + B_{\bar{N}}(N-704) + B_{\bar{N}}(57) = 2347 + (N-704) + 57 = N + 1700$$

$$(N \ge 2347)$$

$$B_{\bar{N}}(2N+998) = B_{\bar{N}}(2N+998-B_{\bar{N}}(2N+997)) + B_{\bar{N}}(2N+998-B_{\bar{N}}(2N+996)) + B_{\bar{N}}(2N+998-B_{\bar{N}}(2N+995))$$

$$= B_{\bar{N}}(2N+998-(N+1700)) + B_{\bar{N}}(2N+998-(2N-1350)) + B_{\bar{N}}(2N+998-(N+1701))$$

$$= B_{\bar{N}}(N-702) + B_{\bar{N}}(2348) + B_{\bar{N}}(N-703) = (N-702) + 2348 + (N-703) = 2N+943$$

$$(N \ge 2348)$$

$$B_{\bar{N}}(2N+999) = B_{\bar{N}}(2N+999 - B_{\bar{N}}(2N+998)) + B_{\bar{N}}(2N+999 - B_{\bar{N}}(2N+997)) + B_{\bar{N}}(2N+999 - B_{\bar{N}}(2N+996))$$

$$= B_{\bar{N}}(2N+999 - (2N+943)) + B_{\bar{N}}(2N+999 - (N+1700)) + B_{\bar{N}}(2N+999 - (2N-1350))$$

$$= B_{\bar{N}}(56) + B_{\bar{N}}(N-701) + B_{\bar{N}}(2349) = 56 + (N-701) + 2349 = N + 1704$$

$$(N \ge 2349)$$

$$B_{\bar{N}}(2N+1000) = B_{\bar{N}}(2N+1000 - B_{\bar{N}}(2N+999)) + B_{\bar{N}}(2N+1000 - B_{\bar{N}}(2N+998)) + B_{\bar{N}}(2N+1000 - B_{\bar{N}}(2N+997))$$

$$= B_{\bar{N}}(2N+1000 - (N+1704)) + B_{\bar{N}}(2N+1000 - (2N+943)) + B_{\bar{N}}(2N+1000 - (N+1700))$$

$$= B_{\bar{N}}(N-704) + B_{\bar{N}}(57) + B_{\bar{N}}(N-700) = (N-704) + 57 + (N-700) = 2N-1347$$

$$(N \ge 705)$$

$$B_{\bar{N}}(2N+1001) = B_{\bar{N}}(2N+1001 - B_{\bar{N}}(2N+1000)) + B_{\bar{N}}(2N+1001 - B_{\bar{N}}(2N+999)) + B_{\bar{N}}(2N+1001 - B_{\bar{N}}(2N+998))$$

$$= B_{\bar{N}}(2N+1001 - (2N-1347)) + B_{\bar{N}}(2N+1001 - (N+1704)) + B_{\bar{N}}(2N+1001 - (2N+943))$$

$$= B_{\bar{N}}(2348) + B_{\bar{N}}(N-703) + B_{\bar{N}}(58) = 2348 + (N-703) + 58 = N+1703$$

$$(N \ge 2348)$$

$$B_{\bar{N}}(2N+1002) = B_{\bar{N}}(2N+1002 - B_{\bar{N}}(2N+1001)) + B_{\bar{N}}(2N+1002 - B_{\bar{N}}(2N+1000)) + B_{\bar{N}}(2N+1002 - B_{\bar{N}}(2N+999))$$

$$= B_{\bar{N}}(2N+1002 - (N+1703)) + B_{\bar{N}}(2N+1002 - (2N-1347)) + B_{\bar{N}}(2N+1002 - (N+1704))$$

$$= B_{\bar{N}}(N-701) + B_{\bar{N}}(2349) + B_{\bar{N}}(N-702) = (N-701) + 2349 + (N-702) = 2N+946$$

$$(N \ge 2349)$$

$$B_{\bar{N}}(2N+1003) = B_{\bar{N}}(2N+1003 - B_{\bar{N}}(2N+1002)) + B_{\bar{N}}(2N+1003 - B_{\bar{N}}(2N+1001)) + B_{\bar{N}}(2N+1003 - B_{\bar{N}}(2N+1000))$$

$$= B_{\bar{N}}(2N+1003 - (2N+946)) + B_{\bar{N}}(2N+1003 - (N+1703)) + B_{\bar{N}}(2N+1003 - (2N-1347))$$

$$= B_{\bar{N}}(57) + B_{\bar{N}}(N-700) + B_{\bar{N}}(2350) = 57 + (N-700) + 2350 = N + 1707$$

$$(N \ge 2350)$$

$$B_{\bar{N}}(2N+1004) = B_{\bar{N}}(2N+1004 - B_{\bar{N}}(2N+1003)) + B_{\bar{N}}(2N+1004 - B_{\bar{N}}(2N+1002)) + B_{\bar{N}}(2N+1004 - B_{\bar{N}}(2N+1001))$$

$$= B_{\bar{N}}(2N+1004 - (N+1707)) + B_{\bar{N}}(2N+1004 - (2N+946)) + B_{\bar{N}}(2N+1004 - (N+1703))$$

$$= B_{\bar{N}}(N-703) + B_{\bar{N}}(58) + B_{\bar{N}}(N-699) = (N-703) + 58 + (N-699) = 2N - 1344$$

$$(N \ge 704)$$

$$B_{\bar{N}}(2N+1005) = B_{\bar{N}}(2N+1005 - B_{\bar{N}}(2N+1004)) + B_{\bar{N}}(2N+1005 - B_{\bar{N}}(2N+1003)) + B_{\bar{N}}(2N+1005 - B_{\bar{N}}(2N+1002))$$

$$= B_{\bar{N}}(2N+1005 - (2N-1344)) + B_{\bar{N}}(2N+1005 - (N+1707)) + B_{\bar{N}}(2N+1005 - (2N+946))$$

$$= B_{\bar{N}}(2349) + B_{\bar{N}}(N-702) + B_{\bar{N}}(59) = 2349 + (N-702) + 59 = N+1706$$

$$(N \ge 2349)$$

$$B_{\bar{N}}(2N+1006) = B_{\bar{N}}(2N+1006-B_{\bar{N}}(2N+1005)) + B_{\bar{N}}(2N+1006-B_{\bar{N}}(2N+1004)) + B_{\bar{N}}(2N+1006-B_{\bar{N}}(2N+1003))$$

$$= B_{\bar{N}}(2N+1006-(N+1706)) + B_{\bar{N}}(2N+1006-(2N-1344)) + B_{\bar{N}}(2N+1006-(N+1707))$$

$$= B_{\bar{N}}(N-700) + B_{\bar{N}}(2350) + B_{\bar{N}}(N-701) = (N-700) + 2350 + (N-701) = 2N+949$$

$$(N \ge 2350)$$

$$\begin{split} B_{\bar{N}}(2N+1007) &= B_{\bar{N}}(2N+1007-B_{\bar{N}}(2N+1006)) + B_{\bar{N}}(2N+1007-B_{\bar{N}}(2N+1005)) + B_{\bar{N}}(2N+1007-B_{\bar{N}}(2N+1004)) \\ &= B_{\bar{N}}(2N+1007-(2N+949)) + B_{\bar{N}}(2N+1007-(N+1706)) + B_{\bar{N}}(2N+1007-(2N-1344)) \\ &= B_{\bar{N}}(58) + B_{\bar{N}}(N-699) + B_{\bar{N}}(2351) = 58 + (N-699) + 2351 = N+1710 \\ &(N \geq 2351) \end{split}$$

$$B_{\bar{N}}(2N+1008) = B_{\bar{N}}(2N+1008-B_{\bar{N}}(2N+1007)) + B_{\bar{N}}(2N+1008-B_{\bar{N}}(2N+1006)) + B_{\bar{N}}(2N+1008-B_{\bar{N}}(2N+1005))$$

$$= B_{\bar{N}}(2N+1008-(N+1710)) + B_{\bar{N}}(2N+1008-(2N+949)) + B_{\bar{N}}(2N+1008-(N+1706))$$

$$= B_{\bar{N}}(N-702) + B_{\bar{N}}(59) + B_{\bar{N}}(N-698) = (N-702) + 59 + (N-698) = 2N-1341$$

$$(N \ge 703)$$

$$B_{\bar{N}}(2N+1009) = B_{\bar{N}}(2N+1009 - B_{\bar{N}}(2N+1008)) + B_{\bar{N}}(2N+1009 - B_{\bar{N}}(2N+1007)) + B_{\bar{N}}(2N+1009 - B_{\bar{N}}(2N+1006))$$

$$= B_{\bar{N}}(2N+1009 - (2N-1341)) + B_{\bar{N}}(2N+1009 - (N+1710)) + B_{\bar{N}}(2N+1009 - (2N+949))$$

$$= B_{\bar{N}}(2350) + B_{\bar{N}}(N-701) + B_{\bar{N}}(60) = 2350 + (N-701) + 60 = N+1709$$

$$(N \ge 2350)$$

$$B_{\bar{N}}(2N+1010) = B_{\bar{N}}(2N+1010-B_{\bar{N}}(2N+1009)) + B_{\bar{N}}(2N+1010-B_{\bar{N}}(2N+1008)) + B_{\bar{N}}(2N+1010-B_{\bar{N}}(2N+1007))$$

$$= B_{\bar{N}}(2N+1010-(N+1709)) + B_{\bar{N}}(2N+1010-(2N-1341)) + B_{\bar{N}}(2N+1010-(N+1710))$$

$$= B_{\bar{N}}(N-699) + B_{\bar{N}}(2351) + B_{\bar{N}}(N-700) = (N-699) + 2351 + (N-700) = 2N+952$$

$$(N \ge 2351)$$

$$B_{\bar{N}}(2N+1011) = B_{\bar{N}}(2N+1011 - B_{\bar{N}}(2N+1010)) + B_{\bar{N}}(2N+1011 - B_{\bar{N}}(2N+1009)) + B_{\bar{N}}(2N+1011 - B_{\bar{N}}(2N+1008))$$

$$= B_{\bar{N}}(2N+1011 - (2N+952)) + B_{\bar{N}}(2N+1011 - (N+1709)) + B_{\bar{N}}(2N+1011 - (2N-1341))$$

$$= B_{\bar{N}}(59) + B_{\bar{N}}(N-698) + B_{\bar{N}}(2352) = 59 + (N-698) + 2352 = N+1713$$

$$(N \ge 2352)$$

$$B_{\bar{N}}(2N+1012) = B_{\bar{N}}(2N+1012 - B_{\bar{N}}(2N+1011)) + B_{\bar{N}}(2N+1012 - B_{\bar{N}}(2N+1010)) + B_{\bar{N}}(2N+1012 - B_{\bar{N}}(2N+1009))$$

$$= B_{\bar{N}}(2N+1012 - (N+1713)) + B_{\bar{N}}(2N+1012 - (2N+952)) + B_{\bar{N}}(2N+1012 - (N+1709))$$

$$= B_{\bar{N}}(N-701) + B_{\bar{N}}(60) + B_{\bar{N}}(N-697) = (N-701) + 60 + (N-697) = 2N - 1338$$

$$(N \ge 702)$$

$$B_{\bar{N}}(2N+1013) = B_{\bar{N}}(2N+1013 - B_{\bar{N}}(2N+1012)) + B_{\bar{N}}(2N+1013 - B_{\bar{N}}(2N+1011)) + B_{\bar{N}}(2N+1013 - B_{\bar{N}}(2N+1010))$$

$$= B_{\bar{N}}(2N+1013 - (2N-1338)) + B_{\bar{N}}(2N+1013 - (N+1713)) + B_{\bar{N}}(2N+1013 - (2N+952))$$

$$= B_{\bar{N}}(2351) + B_{\bar{N}}(N-700) + B_{\bar{N}}(61) = 2351 + (N-700) + 61 = N+1712$$

$$(N \ge 2351)$$

$$B_{\bar{N}}(2N+1014) = B_{\bar{N}}(2N+1014 - B_{\bar{N}}(2N+1013)) + B_{\bar{N}}(2N+1014 - B_{\bar{N}}(2N+1012)) + B_{\bar{N}}(2N+1014 - B_{\bar{N}}(2N+1011))$$

$$= B_{\bar{N}}(2N+1014 - (N+1712)) + B_{\bar{N}}(2N+1014 - (2N-1338)) + B_{\bar{N}}(2N+1014 - (N+1713))$$

$$= B_{\bar{N}}(N-698) + B_{\bar{N}}(2352) + B_{\bar{N}}(N-699) = (N-698) + 2352 + (N-699) = 2N+955$$

$$(N \ge 2352)$$

$$B_{\bar{N}}(2N+1015) = B_{\bar{N}}(2N+1015-B_{\bar{N}}(2N+1014)) + B_{\bar{N}}(2N+1015-B_{\bar{N}}(2N+1013)) + B_{\bar{N}}(2N+1015-B_{\bar{N}}(2N+1012))$$

$$= B_{\bar{N}}(2N+1015-(2N+955)) + B_{\bar{N}}(2N+1015-(N+1712)) + B_{\bar{N}}(2N+1015-(2N-1338))$$

$$= B_{\bar{N}}(60) + B_{\bar{N}}(N-697) + B_{\bar{N}}(2353) = 60 + (N-697) + 2353 = N + 1716$$

$$(N \ge 2353)$$

$$B_{\bar{N}}(2N+1016) = B_{\bar{N}}(2N+1016-B_{\bar{N}}(2N+1015)) + B_{\bar{N}}(2N+1016-B_{\bar{N}}(2N+1014)) + B_{\bar{N}}(2N+1016-B_{\bar{N}}(2N+1013))$$

$$= B_{\bar{N}}(2N+1016-(N+1716)) + B_{\bar{N}}(2N+1016-(2N+955)) + B_{\bar{N}}(2N+1016-(N+1712))$$

$$= B_{\bar{N}}(N-700) + B_{\bar{N}}(61) + B_{\bar{N}}(N-696) = (N-700) + 61 + (N-696) = 2N-1335$$

$$(N > 701)$$

$$B_{\bar{N}}(2N+1017) = B_{\bar{N}}(2N+1017 - B_{\bar{N}}(2N+1016)) + B_{\bar{N}}(2N+1017 - B_{\bar{N}}(2N+1015)) + B_{\bar{N}}(2N+1017 - B_{\bar{N}}(2N+1014))$$

$$= B_{\bar{N}}(2N+1017 - (2N-1335)) + B_{\bar{N}}(2N+1017 - (N+1716)) + B_{\bar{N}}(2N+1017 - (2N+955))$$

$$= B_{\bar{N}}(2352) + B_{\bar{N}}(N-699) + B_{\bar{N}}(62) = 2352 + (N-699) + 62 = N+1715$$

$$(N \ge 2352)$$

$$B_{\bar{N}}(2N+1018) = B_{\bar{N}}(2N+1018-B_{\bar{N}}(2N+1017)) + B_{\bar{N}}(2N+1018-B_{\bar{N}}(2N+1016)) + B_{\bar{N}}(2N+1018-B_{\bar{N}}(2N+1015))$$

$$= B_{\bar{N}}(2N+1018-(N+1715)) + B_{\bar{N}}(2N+1018-(2N-1335)) + B_{\bar{N}}(2N+1018-(N+1716))$$

$$= B_{\bar{N}}(N-697) + B_{\bar{N}}(2353) + B_{\bar{N}}(N-698) = (N-697) + 2353 + (N-698) = 2N+958$$

$$(N \ge 2353)$$

$$B_{\bar{N}}(2N+1019) = B_{\bar{N}}(2N+1019 - B_{\bar{N}}(2N+1018)) + B_{\bar{N}}(2N+1019 - B_{\bar{N}}(2N+1017)) + B_{\bar{N}}(2N+1019 - B_{\bar{N}}(2N+1016))$$

$$= B_{\bar{N}}(2N+1019 - (2N+958)) + B_{\bar{N}}(2N+1019 - (N+1715)) + B_{\bar{N}}(2N+1019 - (2N-1335))$$

$$= B_{\bar{N}}(61) + B_{\bar{N}}(N-696) + B_{\bar{N}}(2354) = 61 + (N-696) + 2354 = N + 1719$$

$$(N \ge 2354)$$

$$B_{\bar{N}}(2N+1020) = B_{\bar{N}}(2N+1020-B_{\bar{N}}(2N+1019)) + B_{\bar{N}}(2N+1020-B_{\bar{N}}(2N+1018)) + B_{\bar{N}}(2N+1020-B_{\bar{N}}(2N+1017))$$

$$= B_{\bar{N}}(2N+1020-(N+1719)) + B_{\bar{N}}(2N+1020-(2N+958)) + B_{\bar{N}}(2N+1020-(N+1715))$$

$$= B_{\bar{N}}(N-699) + B_{\bar{N}}(62) + B_{\bar{N}}(N-695) = (N-699) + 62 + (N-695) = 2N-1332$$

$$(N \ge 700)$$

$$B_{\bar{N}}(2N+1021) = B_{\bar{N}}(2N+1021-B_{\bar{N}}(2N+1020)) + B_{\bar{N}}(2N+1021-B_{\bar{N}}(2N+1019)) + B_{\bar{N}}(2N+1021-B_{\bar{N}}(2N+1018))$$

$$= B_{\bar{N}}(2N+1021-(2N-1332)) + B_{\bar{N}}(2N+1021-(N+1719)) + B_{\bar{N}}(2N+1021-(2N+958))$$

$$= B_{\bar{N}}(2353) + B_{\bar{N}}(N-698) + B_{\bar{N}}(63) = 2353 + (N-698) + 63 = N+1718$$

$$(N \ge 2353)$$

$$B_{\bar{N}}(2N+1022) = B_{\bar{N}}(2N+1022-B_{\bar{N}}(2N+1021)) + B_{\bar{N}}(2N+1022-B_{\bar{N}}(2N+1020)) + B_{\bar{N}}(2N+1022-B_{\bar{N}}(2N+1019))$$

$$= B_{\bar{N}}(2N+1022-(N+1718)) + B_{\bar{N}}(2N+1022-(2N-1332)) + B_{\bar{N}}(2N+1022-(N+1719))$$

$$= B_{\bar{N}}(N-696) + B_{\bar{N}}(2354) + B_{\bar{N}}(N-697) = (N-696) + 2354 + (N-697) = 2N+961$$

$$(N \ge 2354)$$

$$\begin{split} B_{\bar{N}}(2N+1023) &= B_{\bar{N}}(2N+1023-B_{\bar{N}}(2N+1022)) + B_{\bar{N}}(2N+1023-B_{\bar{N}}(2N+1021)) + B_{\bar{N}}(2N+1023-B_{\bar{N}}(2N+1020)) \\ &= B_{\bar{N}}(2N+1023-(2N+961)) + B_{\bar{N}}(2N+1023-(N+1718)) + B_{\bar{N}}(2N+1023-(2N-1332)) \\ &= B_{\bar{N}}(62) + B_{\bar{N}}(N-695) + B_{\bar{N}}(2355) = 62 + (N-695) + 2355 = N + 1722 \\ &\qquad (N \geq 2355) \end{split}$$

$$B_{\bar{N}}(2N+1024) = B_{\bar{N}}(2N+1024-B_{\bar{N}}(2N+1023)) + B_{\bar{N}}(2N+1024-B_{\bar{N}}(2N+1022)) + B_{\bar{N}}(2N+1024-B_{\bar{N}}(2N+1021))$$

$$= B_{\bar{N}}(2N+1024-(N+1722)) + B_{\bar{N}}(2N+1024-(2N+961)) + B_{\bar{N}}(2N+1024-(N+1718))$$

$$= B_{\bar{N}}(N-698) + B_{\bar{N}}(63) + B_{\bar{N}}(N-694) = (N-698) + 63 + (N-694) = 2N-1329$$

$$(N \ge 699)$$

$$B_{\bar{N}}(2N+1025) = B_{\bar{N}}(2N+1025-B_{\bar{N}}(2N+1024)) + B_{\bar{N}}(2N+1025-B_{\bar{N}}(2N+1023)) + B_{\bar{N}}(2N+1025-B_{\bar{N}}(2N+1025))$$

$$= B_{\bar{N}}(2N+1025-(2N-1329)) + B_{\bar{N}}(2N+1025-(N+1722)) + B_{\bar{N}}(2N+1025-(2N+961))$$

$$= B_{\bar{N}}(2354) + B_{\bar{N}}(N-697) + B_{\bar{N}}(64) = 2354 + (N-697) + 64 = N+1721$$

$$(N \ge 2354)$$

$$B_{\bar{N}}(2N+1026) = B_{\bar{N}}(2N+1026-B_{\bar{N}}(2N+1025)) + B_{\bar{N}}(2N+1026-B_{\bar{N}}(2N+1024)) + B_{\bar{N}}(2N+1026-B_{\bar{N}}(2N+1023))$$

$$= B_{\bar{N}}(2N+1026-(N+1721)) + B_{\bar{N}}(2N+1026-(2N-1329)) + B_{\bar{N}}(2N+1026-(N+1722))$$

$$= B_{\bar{N}}(N-695) + B_{\bar{N}}(2355) + B_{\bar{N}}(N-696) = (N-695) + 2355 + (N-696) = 2N+964$$

$$(N > 2355)$$

$$B_{\bar{N}}(2N+1027) = B_{\bar{N}}(2N+1027 - B_{\bar{N}}(2N+1026)) + B_{\bar{N}}(2N+1027 - B_{\bar{N}}(2N+1025)) + B_{\bar{N}}(2N+1027 - B_{\bar{N}}(2N+1024))$$

$$= B_{\bar{N}}(2N+1027 - (2N+964)) + B_{\bar{N}}(2N+1027 - (N+1721)) + B_{\bar{N}}(2N+1027 - (2N-1329))$$

$$= B_{\bar{N}}(63) + B_{\bar{N}}(N-694) + B_{\bar{N}}(2356) = 63 + (N-694) + 2356 = N+1725$$

$$(N \ge 2356)$$

$$B_{\bar{N}}(2N+1028) = B_{\bar{N}}(2N+1028-B_{\bar{N}}(2N+1027)) + B_{\bar{N}}(2N+1028-B_{\bar{N}}(2N+1026)) + B_{\bar{N}}(2N+1028-B_{\bar{N}}(2N+1025))$$

$$= B_{\bar{N}}(2N+1028-(N+1725)) + B_{\bar{N}}(2N+1028-(2N+964)) + B_{\bar{N}}(2N+1028-(N+1721))$$

$$= B_{\bar{N}}(N-697) + B_{\bar{N}}(64) + B_{\bar{N}}(N-693) = (N-697) + 64 + (N-693) = 2N-1326$$

$$(N \ge 698)$$

$$B_{\bar{N}}(2N+1029) = B_{\bar{N}}(2N+1029 - B_{\bar{N}}(2N+1028)) + B_{\bar{N}}(2N+1029 - B_{\bar{N}}(2N+1027)) + B_{\bar{N}}(2N+1029 - B_{\bar{N}}(2N+1026))$$

$$= B_{\bar{N}}(2N+1029 - (2N-1326)) + B_{\bar{N}}(2N+1029 - (N+1725)) + B_{\bar{N}}(2N+1029 - (2N+964))$$

$$= B_{\bar{N}}(2355) + B_{\bar{N}}(N-696) + B_{\bar{N}}(65) = 2355 + (N-696) + 65 = N+1724$$

$$(N \ge 2355)$$

$$B_{\bar{N}}(2N+1030) = B_{\bar{N}}(2N+1030 - B_{\bar{N}}(2N+1029)) + B_{\bar{N}}(2N+1030 - B_{\bar{N}}(2N+1028)) + B_{\bar{N}}(2N+1030 - B_{\bar{N}}(2N+1027))$$

$$= B_{\bar{N}}(2N+1030 - (N+1724)) + B_{\bar{N}}(2N+1030 - (2N-1326)) + B_{\bar{N}}(2N+1030 - (N+1725))$$

$$= B_{\bar{N}}(N-694) + B_{\bar{N}}(2356) + B_{\bar{N}}(N-695) = (N-694) + 2356 + (N-695) = 2N+967$$

$$(N \ge 2356)$$

$$\begin{split} B_{\bar{N}}(2N+1031) &= B_{\bar{N}}(2N+1031-B_{\bar{N}}(2N+1030)) + B_{\bar{N}}(2N+1031-B_{\bar{N}}(2N+1029)) + B_{\bar{N}}(2N+1031-B_{\bar{N}}(2N+1028)) \\ &= B_{\bar{N}}(2N+1031-(2N+967)) + B_{\bar{N}}(2N+1031-(N+1724)) + B_{\bar{N}}(2N+1031-(2N-1326)) \\ &= B_{\bar{N}}(64) + B_{\bar{N}}(N-693) + B_{\bar{N}}(2357) = 64 + (N-693) + 2357 = N + 1728 \\ &(N > 2357) \end{split}$$

$$B_{\bar{N}}(2N+1032) = B_{\bar{N}}(2N+1032-B_{\bar{N}}(2N+1031)) + B_{\bar{N}}(2N+1032-B_{\bar{N}}(2N+1030)) + B_{\bar{N}}(2N+1032-B_{\bar{N}}(2N+1029))$$

$$= B_{\bar{N}}(2N+1032-(N+1728)) + B_{\bar{N}}(2N+1032-(2N+967)) + B_{\bar{N}}(2N+1032-(N+1724))$$

$$= B_{\bar{N}}(N-696) + B_{\bar{N}}(65) + B_{\bar{N}}(N-692) = (N-696) + 65 + (N-692) = 2N-1323$$

$$(N \ge 697)$$

$$\begin{split} B_{\bar{N}}(2N+1033) &= B_{\bar{N}}(2N+1033-B_{\bar{N}}(2N+1032)) + B_{\bar{N}}(2N+1033-B_{\bar{N}}(2N+1031)) + B_{\bar{N}}(2N+1033-B_{\bar{N}}(2N+1030)) \\ &= B_{\bar{N}}(2N+1033-(2N-1323)) + B_{\bar{N}}(2N+1033-(N+1728)) + B_{\bar{N}}(2N+1033-(2N+967)) \\ &= B_{\bar{N}}(2356) + B_{\bar{N}}(N-695) + B_{\bar{N}}(66) = 2356 + (N-695) + 66 = N+1727 \\ &(N \geq 2356) \end{split}$$

$$B_{\bar{N}}(2N+1034) = B_{\bar{N}}(2N+1034-B_{\bar{N}}(2N+1033)) + B_{\bar{N}}(2N+1034-B_{\bar{N}}(2N+1032)) + B_{\bar{N}}(2N+1034-B_{\bar{N}}(2N+1031))$$

$$= B_{\bar{N}}(2N+1034-(N+1727)) + B_{\bar{N}}(2N+1034-(2N-1323)) + B_{\bar{N}}(2N+1034-(N+1728))$$

$$= B_{\bar{N}}(N-693) + B_{\bar{N}}(2357) + B_{\bar{N}}(N-694) = (N-693) + 2357 + (N-694) = 2N+970$$

$$(N \ge 2357)$$

$$\begin{split} B_{\bar{N}}(2N+1035) &= B_{\bar{N}}(2N+1035-B_{\bar{N}}(2N+1034)) + B_{\bar{N}}(2N+1035-B_{\bar{N}}(2N+1033)) + B_{\bar{N}}(2N+1035-B_{\bar{N}}(2N+1032)) \\ &= B_{\bar{N}}(2N+1035-(2N+970)) + B_{\bar{N}}(2N+1035-(N+1727)) + B_{\bar{N}}(2N+1035-(2N-1323)) \\ &= B_{\bar{N}}(65) + B_{\bar{N}}(N-692) + B_{\bar{N}}(2358) = 65 + (N-692) + 2358 = N+1731 \\ &(N \geq 2358) \end{split}$$

$$B_{\bar{N}}(2N+1036) = B_{\bar{N}}(2N+1036-B_{\bar{N}}(2N+1035)) + B_{\bar{N}}(2N+1036-B_{\bar{N}}(2N+1034)) + B_{\bar{N}}(2N+1036-B_{\bar{N}}(2N+1033))$$

$$= B_{\bar{N}}(2N+1036-(N+1731)) + B_{\bar{N}}(2N+1036-(2N+970)) + B_{\bar{N}}(2N+1036-(N+1727))$$

$$= B_{\bar{N}}(N-695) + B_{\bar{N}}(66) + B_{\bar{N}}(N-691) = (N-695) + 66 + (N-691) = 2N-1320$$

$$(N \ge 696)$$

$$B_{\bar{N}}(2N+1037) = B_{\bar{N}}(2N+1037 - B_{\bar{N}}(2N+1036)) + B_{\bar{N}}(2N+1037 - B_{\bar{N}}(2N+1035)) + B_{\bar{N}}(2N+1037 - B_{\bar{N}}(2N+1034))$$

$$= B_{\bar{N}}(2N+1037 - (2N-1320)) + B_{\bar{N}}(2N+1037 - (N+1731)) + B_{\bar{N}}(2N+1037 - (2N+970))$$

$$= B_{\bar{N}}(2357) + B_{\bar{N}}(N-694) + B_{\bar{N}}(67) = 2357 + (N-694) + 67 = N+1730$$

$$(N \ge 2357)$$

$$B_{\bar{N}}(2N+1038) = B_{\bar{N}}(2N+1038-B_{\bar{N}}(2N+1037)) + B_{\bar{N}}(2N+1038-B_{\bar{N}}(2N+1036)) + B_{\bar{N}}(2N+1038-B_{\bar{N}}(2N+1035))$$

$$= B_{\bar{N}}(2N+1038-(N+1730)) + B_{\bar{N}}(2N+1038-(2N-1320)) + B_{\bar{N}}(2N+1038-(N+1731))$$

$$= B_{\bar{N}}(N-692) + B_{\bar{N}}(2358) + B_{\bar{N}}(N-693) = (N-692) + 2358 + (N-693) = 2N+973$$

$$(N \ge 2358)$$

$$B_{\bar{N}}(2N+1039) = B_{\bar{N}}(2N+1039 - B_{\bar{N}}(2N+1038)) + B_{\bar{N}}(2N+1039 - B_{\bar{N}}(2N+1037)) + B_{\bar{N}}(2N+1039 - B_{\bar{N}}(2N+1036))$$

$$= B_{\bar{N}}(2N+1039 - (2N+973)) + B_{\bar{N}}(2N+1039 - (N+1730)) + B_{\bar{N}}(2N+1039 - (2N-1320))$$

$$= B_{\bar{N}}(66) + B_{\bar{N}}(N-691) + B_{\bar{N}}(2359) = 66 + (N-691) + 2359 = N + 1734$$

$$(N \ge 2359)$$

$$B_{\bar{N}}(2N+1040) = B_{\bar{N}}(2N+1040 - B_{\bar{N}}(2N+1039)) + B_{\bar{N}}(2N+1040 - B_{\bar{N}}(2N+1038)) + B_{\bar{N}}(2N+1040 - B_{\bar{N}}(2N+1037))$$

$$= B_{\bar{N}}(2N+1040 - (N+1734)) + B_{\bar{N}}(2N+1040 - (2N+973)) + B_{\bar{N}}(2N+1040 - (N+1730))$$

$$= B_{\bar{N}}(N-694) + B_{\bar{N}}(67) + B_{\bar{N}}(N-690) = (N-694) + 67 + (N-690) = 2N - 1317$$

$$(N \ge 695)$$

$$B_{\bar{N}}(2N+1041) = B_{\bar{N}}(2N+1041 - B_{\bar{N}}(2N+1040)) + B_{\bar{N}}(2N+1041 - B_{\bar{N}}(2N+1039)) + B_{\bar{N}}(2N+1041 - B_{\bar{N}}(2N+1038))$$

$$= B_{\bar{N}}(2N+1041 - (2N-1317)) + B_{\bar{N}}(2N+1041 - (N+1734)) + B_{\bar{N}}(2N+1041 - (2N+973))$$

$$= B_{\bar{N}}(2358) + B_{\bar{N}}(N-693) + B_{\bar{N}}(68) = 2358 + (N-693) + 68 = N+1733$$

$$(N \ge 2358)$$

$$B_{\bar{N}}(2N+1042) = B_{\bar{N}}(2N+1042 - B_{\bar{N}}(2N+1041)) + B_{\bar{N}}(2N+1042 - B_{\bar{N}}(2N+1040)) + B_{\bar{N}}(2N+1042 - B_{\bar{N}}(2N+1039))$$

$$= B_{\bar{N}}(2N+1042 - (N+1733)) + B_{\bar{N}}(2N+1042 - (2N-1317)) + B_{\bar{N}}(2N+1042 - (N+1734))$$

$$= B_{\bar{N}}(N-691) + B_{\bar{N}}(2359) + B_{\bar{N}}(N-692) = (N-691) + 2359 + (N-692) = 2N+976$$

$$(N \ge 2359)$$

$$B_{\bar{N}}(2N+1043) = B_{\bar{N}}(2N+1043-B_{\bar{N}}(2N+1042)) + B_{\bar{N}}(2N+1043-B_{\bar{N}}(2N+1041)) + B_{\bar{N}}(2N+1043-B_{\bar{N}}(2N+1040))$$

$$= B_{\bar{N}}(2N+1043-(2N+976)) + B_{\bar{N}}(2N+1043-(N+1733)) + B_{\bar{N}}(2N+1043-(2N-1317))$$

$$= B_{\bar{N}}(67) + B_{\bar{N}}(N-690) + B_{\bar{N}}(2360) = 67 + (N-690) + 2360 = N+1737$$

$$(N \ge 2360)$$

$$B_{\bar{N}}(2N+1044) = B_{\bar{N}}(2N+1044-B_{\bar{N}}(2N+1043)) + B_{\bar{N}}(2N+1044-B_{\bar{N}}(2N+1042)) + B_{\bar{N}}(2N+1044-B_{\bar{N}}(2N+1041))$$

$$= B_{\bar{N}}(2N+1044-(N+1737)) + B_{\bar{N}}(2N+1044-(2N+976)) + B_{\bar{N}}(2N+1044-(N+1733))$$

$$= B_{\bar{N}}(N-693) + B_{\bar{N}}(68) + B_{\bar{N}}(N-689) = (N-693) + 68 + (N-689) = 2N-1314$$

$$(N \ge 694)$$

$$B_{\bar{N}}(2N+1045) = B_{\bar{N}}(2N+1045-B_{\bar{N}}(2N+1044)) + B_{\bar{N}}(2N+1045-B_{\bar{N}}(2N+1043)) + B_{\bar{N}}(2N+1045-B_{\bar{N}}(2N+1045))$$

$$= B_{\bar{N}}(2N+1045-(2N-1314)) + B_{\bar{N}}(2N+1045-(N+1737)) + B_{\bar{N}}(2N+1045-(2N+976))$$

$$= B_{\bar{N}}(2359) + B_{\bar{N}}(N-692) + B_{\bar{N}}(69) = 2359 + (N-692) + 69 = N+1736$$

$$(N \ge 2359)$$

$$B_{\bar{N}}(2N+1046) = B_{\bar{N}}(2N+1046 - B_{\bar{N}}(2N+1045)) + B_{\bar{N}}(2N+1046 - B_{\bar{N}}(2N+1044)) + B_{\bar{N}}(2N+1046 - B_{\bar{N}}(2N+1043))$$

$$= B_{\bar{N}}(2N+1046 - (N+1736)) + B_{\bar{N}}(2N+1046 - (2N-1314)) + B_{\bar{N}}(2N+1046 - (N+1737))$$

$$= B_{\bar{N}}(N-690) + B_{\bar{N}}(2360) + B_{\bar{N}}(N-691) = (N-690) + 2360 + (N-691) = 2N+979$$

$$(N \ge 2360)$$

$$B_{\bar{N}}(2N+1047) = B_{\bar{N}}(2N+1047 - B_{\bar{N}}(2N+1046)) + B_{\bar{N}}(2N+1047 - B_{\bar{N}}(2N+1045)) + B_{\bar{N}}(2N+1047 - B_{\bar{N}}(2N+1044))$$

$$= B_{\bar{N}}(2N+1047 - (2N+979)) + B_{\bar{N}}(2N+1047 - (N+1736)) + B_{\bar{N}}(2N+1047 - (2N-1314))$$

$$= B_{\bar{N}}(68) + B_{\bar{N}}(N-689) + B_{\bar{N}}(2361) = 68 + (N-689) + 2361 = N+1740$$

$$(N \ge 2361)$$

$$B_{\bar{N}}(2N+1048) = B_{\bar{N}}(2N+1048-B_{\bar{N}}(2N+1047)) + B_{\bar{N}}(2N+1048-B_{\bar{N}}(2N+1046)) + B_{\bar{N}}(2N+1048-B_{\bar{N}}(2N+1045))$$

$$= B_{\bar{N}}(2N+1048-(N+1740)) + B_{\bar{N}}(2N+1048-(2N+979)) + B_{\bar{N}}(2N+1048-(N+1736))$$

$$= B_{\bar{N}}(N-692) + B_{\bar{N}}(69) + B_{\bar{N}}(N-688) = (N-692) + 69 + (N-688) = 2N-1311$$

$$(N \ge 693)$$

$$B_{\bar{N}}(2N+1049) = B_{\bar{N}}(2N+1049 - B_{\bar{N}}(2N+1048)) + B_{\bar{N}}(2N+1049 - B_{\bar{N}}(2N+1047)) + B_{\bar{N}}(2N+1049 - B_{\bar{N}}(2N+1046))$$

$$= B_{\bar{N}}(2N+1049 - (2N-1311)) + B_{\bar{N}}(2N+1049 - (N+1740)) + B_{\bar{N}}(2N+1049 - (2N+979))$$

$$= B_{\bar{N}}(2360) + B_{\bar{N}}(N-691) + B_{\bar{N}}(70) = 2360 + (N-691) + 70 = N+1739$$

$$(N \ge 2360)$$

$$B_{\bar{N}}(2N+1050) = B_{\bar{N}}(2N+1050 - B_{\bar{N}}(2N+1049)) + B_{\bar{N}}(2N+1050 - B_{\bar{N}}(2N+1048)) + B_{\bar{N}}(2N+1050 - B_{\bar{N}}(2N+1047))$$

$$= B_{\bar{N}}(2N+1050 - (N+1739)) + B_{\bar{N}}(2N+1050 - (2N-1311)) + B_{\bar{N}}(2N+1050 - (N+1740))$$

$$= B_{\bar{N}}(N-689) + B_{\bar{N}}(2361) + B_{\bar{N}}(N-690) = (N-689) + 2361 + (N-690) = 2N+982$$

$$(N \ge 2361)$$

$$B_{\bar{N}}(2N+1051) = B_{\bar{N}}(2N+1051-B_{\bar{N}}(2N+1050)) + B_{\bar{N}}(2N+1051-B_{\bar{N}}(2N+1049)) + B_{\bar{N}}(2N+1051-B_{\bar{N}}(2N+1048))$$

$$= B_{\bar{N}}(2N+1051-(2N+982)) + B_{\bar{N}}(2N+1051-(N+1739)) + B_{\bar{N}}(2N+1051-(2N-1311))$$

$$= B_{\bar{N}}(69) + B_{\bar{N}}(N-688) + B_{\bar{N}}(2362) = 69 + (N-688) + 2362 = N+1743$$

$$(N \ge 2362)$$

$$B_{\bar{N}}(2N+1052) = B_{\bar{N}}(2N+1052-B_{\bar{N}}(2N+1051)) + B_{\bar{N}}(2N+1052-B_{\bar{N}}(2N+1050)) + B_{\bar{N}}(2N+1052-B_{\bar{N}}(2N+1049))$$

$$= B_{\bar{N}}(2N+1052-(N+1743)) + B_{\bar{N}}(2N+1052-(2N+982)) + B_{\bar{N}}(2N+1052-(N+1739))$$

$$= B_{\bar{N}}(N-691) + B_{\bar{N}}(70) + B_{\bar{N}}(N-687) = (N-691) + 70 + (N-687) = 2N-1308$$

$$(N \ge 692)$$

$$B_{\bar{N}}(2N+1053) = B_{\bar{N}}(2N+1053-B_{\bar{N}}(2N+1052)) + B_{\bar{N}}(2N+1053-B_{\bar{N}}(2N+1051)) + B_{\bar{N}}(2N+1053-B_{\bar{N}}(2N+1050))$$

$$= B_{\bar{N}}(2N+1053-(2N-1308)) + B_{\bar{N}}(2N+1053-(N+1743)) + B_{\bar{N}}(2N+1053-(2N+982))$$

$$= B_{\bar{N}}(2361) + B_{\bar{N}}(N-690) + B_{\bar{N}}(71) = 2361 + (N-690) + 71 = N + 1742$$

$$(N \ge 2361)$$

$$B_{\bar{N}}(2N+1054) = B_{\bar{N}}(2N+1054-B_{\bar{N}}(2N+1053)) + B_{\bar{N}}(2N+1054-B_{\bar{N}}(2N+1052)) + B_{\bar{N}}(2N+1054-B_{\bar{N}}(2N+1051))$$

$$= B_{\bar{N}}(2N+1054-(N+1742)) + B_{\bar{N}}(2N+1054-(2N-1308)) + B_{\bar{N}}(2N+1054-(N+1743))$$

$$= B_{\bar{N}}(N-688) + B_{\bar{N}}(2362) + B_{\bar{N}}(N-689) = (N-688) + 2362 + (N-689) = 2N+985$$

$$(N \ge 2362)$$

$$B_{\bar{N}}(2N+1055) = B_{\bar{N}}(2N+1055-B_{\bar{N}}(2N+1054)) + B_{\bar{N}}(2N+1055-B_{\bar{N}}(2N+1053)) + B_{\bar{N}}(2N+1055-B_{\bar{N}}(2N+1052))$$

$$= B_{\bar{N}}(2N+1055-(2N+985)) + B_{\bar{N}}(2N+1055-(N+1742)) + B_{\bar{N}}(2N+1055-(2N-1308))$$

$$= B_{\bar{N}}(70) + B_{\bar{N}}(N-687) + B_{\bar{N}}(2363) = 70 + (N-687) + 2363 = N + 1746$$

$$(N \ge 2363)$$

$$B_{\bar{N}}(2N+1056) = B_{\bar{N}}(2N+1056-B_{\bar{N}}(2N+1055)) + B_{\bar{N}}(2N+1056-B_{\bar{N}}(2N+1054)) + B_{\bar{N}}(2N+1056-B_{\bar{N}}(2N+1053))$$

$$= B_{\bar{N}}(2N+1056-(N+1746)) + B_{\bar{N}}(2N+1056-(2N+985)) + B_{\bar{N}}(2N+1056-(N+1742))$$

$$= B_{\bar{N}}(N-690) + B_{\bar{N}}(71) + B_{\bar{N}}(N-686) = (N-690) + 71 + (N-686) = 2N-1305$$

$$(N \ge 691)$$

$$B_{\bar{N}}(2N+1057) = B_{\bar{N}}(2N+1057 - B_{\bar{N}}(2N+1056)) + B_{\bar{N}}(2N+1057 - B_{\bar{N}}(2N+1055)) + B_{\bar{N}}(2N+1057 - B_{\bar{N}}(2N+1054))$$

$$= B_{\bar{N}}(2N+1057 - (2N-1305)) + B_{\bar{N}}(2N+1057 - (N+1746)) + B_{\bar{N}}(2N+1057 - (2N+985))$$

$$= B_{\bar{N}}(2362) + B_{\bar{N}}(N-689) + B_{\bar{N}}(72) = 2362 + (N-689) + 72 = N + 1745$$

$$(N \ge 2362)$$

$$B_{\bar{N}}(2N+1058) = B_{\bar{N}}(2N+1058-B_{\bar{N}}(2N+1057)) + B_{\bar{N}}(2N+1058-B_{\bar{N}}(2N+1056)) + B_{\bar{N}}(2N+1058-B_{\bar{N}}(2N+1055))$$

$$= B_{\bar{N}}(2N+1058-(N+1745)) + B_{\bar{N}}(2N+1058-(2N-1305)) + B_{\bar{N}}(2N+1058-(N+1746))$$

$$= B_{\bar{N}}(N-687) + B_{\bar{N}}(2363) + B_{\bar{N}}(N-688) = (N-687) + 2363 + (N-688) = 2N+988$$

$$(N \ge 2363)$$

$$B_{\bar{N}}(2N+1059) = B_{\bar{N}}(2N+1059 - B_{\bar{N}}(2N+1058)) + B_{\bar{N}}(2N+1059 - B_{\bar{N}}(2N+1057)) + B_{\bar{N}}(2N+1059 - B_{\bar{N}}(2N+1059))$$

$$= B_{\bar{N}}(2N+1059 - (2N+988)) + B_{\bar{N}}(2N+1059 - (N+1745)) + B_{\bar{N}}(2N+1059 - (2N-1305))$$

$$= B_{\bar{N}}(71) + B_{\bar{N}}(N-686) + B_{\bar{N}}(2364) = 71 + (N-686) + 2364 = N + 1749$$

$$(N \ge 2364)$$

$$B_{\bar{N}}(2N+1060) = B_{\bar{N}}(2N+1060 - B_{\bar{N}}(2N+1059)) + B_{\bar{N}}(2N+1060 - B_{\bar{N}}(2N+1058)) + B_{\bar{N}}(2N+1060 - B_{\bar{N}}(2N+1057))$$

$$= B_{\bar{N}}(2N+1060 - (N+1749)) + B_{\bar{N}}(2N+1060 - (2N+988)) + B_{\bar{N}}(2N+1060 - (N+1745))$$

$$= B_{\bar{N}}(N-689) + B_{\bar{N}}(72) + B_{\bar{N}}(N-685) = (N-689) + 72 + (N-685) = 2N - 1302$$

$$(N \ge 690)$$

$$B_{\bar{N}}(2N+1061) = B_{\bar{N}}(2N+1061-B_{\bar{N}}(2N+1060)) + B_{\bar{N}}(2N+1061-B_{\bar{N}}(2N+1059)) + B_{\bar{N}}(2N+1061-B_{\bar{N}}(2N+1058))$$

$$= B_{\bar{N}}(2N+1061-(2N-1302)) + B_{\bar{N}}(2N+1061-(N+1749)) + B_{\bar{N}}(2N+1061-(2N+988))$$

$$= B_{\bar{N}}(2363) + B_{\bar{N}}(N-688) + B_{\bar{N}}(73) = 2363 + (N-688) + 73 = N+1748$$

$$(N \ge 2363)$$

$$B_{\bar{N}}(2N+1062) = B_{\bar{N}}(2N+1062-B_{\bar{N}}(2N+1061)) + B_{\bar{N}}(2N+1062-B_{\bar{N}}(2N+1060)) + B_{\bar{N}}(2N+1062-B_{\bar{N}}(2N+1059))$$

$$= B_{\bar{N}}(2N+1062-(N+1748)) + B_{\bar{N}}(2N+1062-(2N-1302)) + B_{\bar{N}}(2N+1062-(N+1749))$$

$$= B_{\bar{N}}(N-686) + B_{\bar{N}}(2364) + B_{\bar{N}}(N-687) = (N-686) + 2364 + (N-687) = 2N+991$$

$$(N \ge 2364)$$

$$\begin{split} B_{\bar{N}}(2N+1063) &= B_{\bar{N}}(2N+1063-B_{\bar{N}}(2N+1062)) + B_{\bar{N}}(2N+1063-B_{\bar{N}}(2N+1061)) + B_{\bar{N}}(2N+1063-B_{\bar{N}}(2N+1060)) \\ &= B_{\bar{N}}(2N+1063-(2N+991)) + B_{\bar{N}}(2N+1063-(N+1748)) + B_{\bar{N}}(2N+1063-(2N-1302)) \\ &= B_{\bar{N}}(72) + B_{\bar{N}}(N-685) + B_{\bar{N}}(2365) = 72 + (N-685) + 2365 = N+1752 \\ &(N \geq 2365) \end{split}$$

$$B_{\bar{N}}(2N+1064) = B_{\bar{N}}(2N+1064-B_{\bar{N}}(2N+1063)) + B_{\bar{N}}(2N+1064-B_{\bar{N}}(2N+1062)) + B_{\bar{N}}(2N+1064-B_{\bar{N}}(2N+1061))$$

$$= B_{\bar{N}}(2N+1064-(N+1752)) + B_{\bar{N}}(2N+1064-(2N+991)) + B_{\bar{N}}(2N+1064-(N+1748))$$

$$= B_{\bar{N}}(N-688) + B_{\bar{N}}(73) + B_{\bar{N}}(N-684) = (N-688) + 73 + (N-684) = 2N-1299$$

$$(N \ge 689)$$

$$B_{\bar{N}}(2N+1065) = B_{\bar{N}}(2N+1065-B_{\bar{N}}(2N+1064)) + B_{\bar{N}}(2N+1065-B_{\bar{N}}(2N+1063)) + B_{\bar{N}}(2N+1065-B_{\bar{N}}(2N+1062))$$

$$= B_{\bar{N}}(2N+1065-(2N-1299)) + B_{\bar{N}}(2N+1065-(N+1752)) + B_{\bar{N}}(2N+1065-(2N+991))$$

$$= B_{\bar{N}}(2364) + B_{\bar{N}}(N-687) + B_{\bar{N}}(74) = 2364 + (N-687) + 74 = N+1751$$

$$(N \ge 2364)$$

$$B_{\bar{N}}(2N+1066) = B_{\bar{N}}(2N+1066-B_{\bar{N}}(2N+1065)) + B_{\bar{N}}(2N+1066-B_{\bar{N}}(2N+1064)) + B_{\bar{N}}(2N+1066-B_{\bar{N}}(2N+1063))$$

$$= B_{\bar{N}}(2N+1066-(N+1751)) + B_{\bar{N}}(2N+1066-(2N-1299)) + B_{\bar{N}}(2N+1066-(N+1752))$$

$$= B_{\bar{N}}(N-685) + B_{\bar{N}}(2365) + B_{\bar{N}}(N-686) = (N-685) + 2365 + (N-686) = 2N+994$$

$$(N > 2365)$$

$$B_{\bar{N}}(2N+1067) = B_{\bar{N}}(2N+1067 - B_{\bar{N}}(2N+1066)) + B_{\bar{N}}(2N+1067 - B_{\bar{N}}(2N+1065)) + B_{\bar{N}}(2N+1067 - B_{\bar{N}}(2N+1064))$$

$$= B_{\bar{N}}(2N+1067 - (2N+994)) + B_{\bar{N}}(2N+1067 - (N+1751)) + B_{\bar{N}}(2N+1067 - (2N-1299))$$

$$= B_{\bar{N}}(73) + B_{\bar{N}}(N-684) + B_{\bar{N}}(2366) = 73 + (N-684) + 2366 = N+1755$$

$$(N \ge 2366)$$

$$B_{\bar{N}}(2N+1068) = B_{\bar{N}}(2N+1068-B_{\bar{N}}(2N+1067)) + B_{\bar{N}}(2N+1068-B_{\bar{N}}(2N+1066)) + B_{\bar{N}}(2N+1068-B_{\bar{N}}(2N+1065))$$

$$= B_{\bar{N}}(2N+1068-(N+1755)) + B_{\bar{N}}(2N+1068-(2N+994)) + B_{\bar{N}}(2N+1068-(N+1751))$$

$$= B_{\bar{N}}(N-687) + B_{\bar{N}}(74) + B_{\bar{N}}(N-683) = (N-687) + 74 + (N-683) = 2N-1296$$

$$(N \ge 688)$$

$$B_{\bar{N}}(2N+1069) = B_{\bar{N}}(2N+1069 - B_{\bar{N}}(2N+1068)) + B_{\bar{N}}(2N+1069 - B_{\bar{N}}(2N+1067)) + B_{\bar{N}}(2N+1069 - B_{\bar{N}}(2N+1069))$$

$$= B_{\bar{N}}(2N+1069 - (2N-1296)) + B_{\bar{N}}(2N+1069 - (N+1755)) + B_{\bar{N}}(2N+1069 - (2N+994))$$

$$= B_{\bar{N}}(2365) + B_{\bar{N}}(N-686) + B_{\bar{N}}(75) = 2365 + (N-686) + 75 = N+1754$$

$$(N \ge 2365)$$

$$B_{\bar{N}}(2N+1070) = B_{\bar{N}}(2N+1070 - B_{\bar{N}}(2N+1069)) + B_{\bar{N}}(2N+1070 - B_{\bar{N}}(2N+1068)) + B_{\bar{N}}(2N+1070 - B_{\bar{N}}(2N+1067))$$

$$= B_{\bar{N}}(2N+1070 - (N+1754)) + B_{\bar{N}}(2N+1070 - (2N-1296)) + B_{\bar{N}}(2N+1070 - (N+1755))$$

$$= B_{\bar{N}}(N-684) + B_{\bar{N}}(2366) + B_{\bar{N}}(N-685) = (N-684) + 2366 + (N-685) = 2N+997$$

$$(N \ge 2366)$$

$$\begin{split} B_{\bar{N}}(2N+1071) &= B_{\bar{N}}(2N+1071-B_{\bar{N}}(2N+1070)) + B_{\bar{N}}(2N+1071-B_{\bar{N}}(2N+1069)) + B_{\bar{N}}(2N+1071-B_{\bar{N}}(2N+1068)) \\ &= B_{\bar{N}}(2N+1071-(2N+997)) + B_{\bar{N}}(2N+1071-(N+1754)) + B_{\bar{N}}(2N+1071-(2N-1296)) \\ &= B_{\bar{N}}(74) + B_{\bar{N}}(N-683) + B_{\bar{N}}(2367) = 74 + (N-683) + 2367 = N+1758 \\ &(N \geq 2367) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+1072) &= B_{\bar{N}}(2N+1072-B_{\bar{N}}(2N+1071)) + B_{\bar{N}}(2N+1072-B_{\bar{N}}(2N+1070)) + B_{\bar{N}}(2N+1072-B_{\bar{N}}(2N+1069)) \\ &= B_{\bar{N}}(2N+1072-(N+1758)) + B_{\bar{N}}(2N+1072-(2N+997)) + B_{\bar{N}}(2N+1072-(N+1754)) \\ &= B_{\bar{N}}(N-686) + B_{\bar{N}}(75) + B_{\bar{N}}(N-682) = (N-686) + 75 + (N-682) = 2N-1293 \\ &(N \geq 687) \end{split}$$

$$B_{\bar{N}}(2N+1073) = B_{\bar{N}}(2N+1073-B_{\bar{N}}(2N+1072)) + B_{\bar{N}}(2N+1073-B_{\bar{N}}(2N+1071)) + B_{\bar{N}}(2N+1073-B_{\bar{N}}(2N+1070))$$

$$= B_{\bar{N}}(2N+1073-(2N-1293)) + B_{\bar{N}}(2N+1073-(N+1758)) + B_{\bar{N}}(2N+1073-(2N+997))$$

$$= B_{\bar{N}}(2366) + B_{\bar{N}}(N-685) + B_{\bar{N}}(76) = 2366 + (N-685) + 76 = N+1757$$

$$(N \ge 2366)$$

$$B_{\bar{N}}(2N+1074) = B_{\bar{N}}(2N+1074-B_{\bar{N}}(2N+1073)) + B_{\bar{N}}(2N+1074-B_{\bar{N}}(2N+1072)) + B_{\bar{N}}(2N+1074-B_{\bar{N}}(2N+1071))$$

$$= B_{\bar{N}}(2N+1074-(N+1757)) + B_{\bar{N}}(2N+1074-(2N-1293)) + B_{\bar{N}}(2N+1074-(N+1758))$$

$$= B_{\bar{N}}(N-683) + B_{\bar{N}}(2367) + B_{\bar{N}}(N-684) = (N-683) + 2367 + (N-684) = 2N+1000$$

$$(N \ge 2367)$$

$$B_{\bar{N}}(2N+1075) = B_{\bar{N}}(2N+1075 - B_{\bar{N}}(2N+1074)) + B_{\bar{N}}(2N+1075 - B_{\bar{N}}(2N+1073)) + B_{\bar{N}}(2N+1075 - B_{\bar{N}}(2N+1075))$$

$$= B_{\bar{N}}(2N+1075 - (2N+1000)) + B_{\bar{N}}(2N+1075 - (N+1757)) + B_{\bar{N}}(2N+1075 - (2N-1293))$$

$$= B_{\bar{N}}(75) + B_{\bar{N}}(N-682) + B_{\bar{N}}(2368) = 75 + (N-682) + 2368 = N+1761$$

$$(N \ge 2368)$$

$$B_{\bar{N}}(2N+1076) = B_{\bar{N}}(2N+1076-B_{\bar{N}}(2N+1075)) + B_{\bar{N}}(2N+1076-B_{\bar{N}}(2N+1074)) + B_{\bar{N}}(2N+1076-B_{\bar{N}}(2N+1073))$$

$$= B_{\bar{N}}(2N+1076-(N+1761)) + B_{\bar{N}}(2N+1076-(2N+1000)) + B_{\bar{N}}(2N+1076-(N+1757))$$

$$= B_{\bar{N}}(N-685) + B_{\bar{N}}(76) + B_{\bar{N}}(N-681) = (N-685) + 76 + (N-681) = 2N-1290$$

$$(N \ge 686)$$

$$B_{\bar{N}}(2N+1077) = B_{\bar{N}}(2N+1077 - B_{\bar{N}}(2N+1076)) + B_{\bar{N}}(2N+1077 - B_{\bar{N}}(2N+1075)) + B_{\bar{N}}(2N+1077 - B_{\bar{N}}(2N+1074))$$

$$= B_{\bar{N}}(2N+1077 - (2N-1290)) + B_{\bar{N}}(2N+1077 - (N+1761)) + B_{\bar{N}}(2N+1077 - (2N+1000))$$

$$= B_{\bar{N}}(2367) + B_{\bar{N}}(N-684) + B_{\bar{N}}(77) = 2367 + (N-684) + 77 = N + 1760$$

$$(N \ge 2367)$$

$$B_{\bar{N}}(2N+1078) = B_{\bar{N}}(2N+1078-B_{\bar{N}}(2N+1077)) + B_{\bar{N}}(2N+1078-B_{\bar{N}}(2N+1076)) + B_{\bar{N}}(2N+1078-B_{\bar{N}}(2N+1075)) = B_{\bar{N}}(2N+1078-(N+1760)) + B_{\bar{N}}(2N+1078-(2N-1290)) + B_{\bar{N}}(2N+1078-(N+1761)) = B_{\bar{N}}(N-682) + B_{\bar{N}}(2368) + B_{\bar{N}}(N-683) = (N-682) + 2368 + (N-683) = 2N+1003 (N \ge 2368)$$

$$B_{\bar{N}}(2N+1079) = B_{\bar{N}}(2N+1079 - B_{\bar{N}}(2N+1078)) + B_{\bar{N}}(2N+1079 - B_{\bar{N}}(2N+1077)) + B_{\bar{N}}(2N+1079 - B_{\bar{N}}(2N+1076))$$

$$= B_{\bar{N}}(2N+1079 - (2N+1003)) + B_{\bar{N}}(2N+1079 - (N+1760)) + B_{\bar{N}}(2N+1079 - (2N-1290))$$

$$= B_{\bar{N}}(76) + B_{\bar{N}}(N-681) + B_{\bar{N}}(2369) = 76 + (N-681) + 2369 = N + 1764$$

$$(N \ge 2369)$$

$$B_{\bar{N}}(2N+1080) = B_{\bar{N}}(2N+1080-B_{\bar{N}}(2N+1079)) + B_{\bar{N}}(2N+1080-B_{\bar{N}}(2N+1078)) + B_{\bar{N}}(2N+1080-B_{\bar{N}}(2N+1077))$$

$$= B_{\bar{N}}(2N+1080-(N+1764)) + B_{\bar{N}}(2N+1080-(2N+1003)) + B_{\bar{N}}(2N+1080-(N+1760))$$

$$= B_{\bar{N}}(N-684) + B_{\bar{N}}(77) + B_{\bar{N}}(N-680) = (N-684) + 77 + (N-680) = 2N-1287$$

$$(N \ge 685)$$

$$B_{\bar{N}}(2N+1081) = B_{\bar{N}}(2N+1081 - B_{\bar{N}}(2N+1080)) + B_{\bar{N}}(2N+1081 - B_{\bar{N}}(2N+1079)) + B_{\bar{N}}(2N+1081 - B_{\bar{N}}(2N+1078))$$

$$= B_{\bar{N}}(2N+1081 - (2N-1287)) + B_{\bar{N}}(2N+1081 - (N+1764)) + B_{\bar{N}}(2N+1081 - (2N+1003))$$

$$= B_{\bar{N}}(2368) + B_{\bar{N}}(N-683) + B_{\bar{N}}(78) = 2368 + (N-683) + 78 = N+1763$$

$$(N \ge 2368)$$

$$B_{\bar{N}}(2N+1082) = B_{\bar{N}}(2N+1082-B_{\bar{N}}(2N+1081)) + B_{\bar{N}}(2N+1082-B_{\bar{N}}(2N+1080)) + B_{\bar{N}}(2N+1082-B_{\bar{N}}(2N+1079))$$

$$= B_{\bar{N}}(2N+1082-(N+1763)) + B_{\bar{N}}(2N+1082-(2N-1287)) + B_{\bar{N}}(2N+1082-(N+1764))$$

$$= B_{\bar{N}}(N-681) + B_{\bar{N}}(2369) + B_{\bar{N}}(N-682) = (N-681) + 2369 + (N-682) = 2N+1006$$

$$(N \ge 2369)$$

$$B_{\bar{N}}(2N+1083) = B_{\bar{N}}(2N+1083-B_{\bar{N}}(2N+1082)) + B_{\bar{N}}(2N+1083-B_{\bar{N}}(2N+1081)) + B_{\bar{N}}(2N+1083-B_{\bar{N}}(2N+1080)) = B_{\bar{N}}(2N+1083-(2N+1006)) + B_{\bar{N}}(2N+1083-(N+1763)) + B_{\bar{N}}(2N+1083-(2N-1287)) = B_{\bar{N}}(77) + B_{\bar{N}}(N-680) + B_{\bar{N}}(2370) = 77 + (N-680) + 2370 = N + 1767 (N \ge 2370)$$

$$B_{\bar{N}}(2N+1084) = B_{\bar{N}}(2N+1084-B_{\bar{N}}(2N+1083)) + B_{\bar{N}}(2N+1084-B_{\bar{N}}(2N+1082)) + B_{\bar{N}}(2N+1084-B_{\bar{N}}(2N+1081))$$

$$= B_{\bar{N}}(2N+1084-(N+1767)) + B_{\bar{N}}(2N+1084-(2N+1006)) + B_{\bar{N}}(2N+1084-(N+1763))$$

$$= B_{\bar{N}}(N-683) + B_{\bar{N}}(78) + B_{\bar{N}}(N-679) = (N-683) + 78 + (N-679) = 2N-1284$$

$$(N \ge 684)$$

$$B_{\bar{N}}(2N+1085) = B_{\bar{N}}(2N+1085 - B_{\bar{N}}(2N+1084)) + B_{\bar{N}}(2N+1085 - B_{\bar{N}}(2N+1083)) + B_{\bar{N}}(2N+1085 - B_{\bar{N}}(2N+1085))$$

$$= B_{\bar{N}}(2N+1085 - (2N-1284)) + B_{\bar{N}}(2N+1085 - (N+1767)) + B_{\bar{N}}(2N+1085 - (2N+1006))$$

$$= B_{\bar{N}}(2369) + B_{\bar{N}}(N-682) + B_{\bar{N}}(79) = 2369 + (N-682) + 79 = N + 1766$$

$$(N \ge 2369)$$

$$B_{\bar{N}}(2N+1086) = B_{\bar{N}}(2N+1086-B_{\bar{N}}(2N+1085)) + B_{\bar{N}}(2N+1086-B_{\bar{N}}(2N+1084)) + B_{\bar{N}}(2N+1086-B_{\bar{N}}(2N+1083))$$

$$= B_{\bar{N}}(2N+1086-(N+1766)) + B_{\bar{N}}(2N+1086-(2N-1284)) + B_{\bar{N}}(2N+1086-(N+1767))$$

$$= B_{\bar{N}}(N-680) + B_{\bar{N}}(2370) + B_{\bar{N}}(N-681) = (N-680) + 2370 + (N-681) = 2N+1009$$

$$(N \ge 2370)$$

$$B_{\bar{N}}(2N+1087) = B_{\bar{N}}(2N+1087-B_{\bar{N}}(2N+1086)) + B_{\bar{N}}(2N+1087-B_{\bar{N}}(2N+1085)) + B_{\bar{N}}(2N+1087-B_{\bar{N}}(2N+1084))$$

$$= B_{\bar{N}}(2N+1087-(2N+1009)) + B_{\bar{N}}(2N+1087-(N+1766)) + B_{\bar{N}}(2N+1087-(2N-1284))$$

$$= B_{\bar{N}}(78) + B_{\bar{N}}(N-679) + B_{\bar{N}}(2371) = 78 + (N-679) + 2371 = N + 1770$$

$$(N \ge 2371)$$

$$B_{\bar{N}}(2N+1088) = B_{\bar{N}}(2N+1088-B_{\bar{N}}(2N+1087)) + B_{\bar{N}}(2N+1088-B_{\bar{N}}(2N+1086)) + B_{\bar{N}}(2N+1088-B_{\bar{N}}(2N+1085))$$

$$= B_{\bar{N}}(2N+1088-(N+1770)) + B_{\bar{N}}(2N+1088-(2N+1009)) + B_{\bar{N}}(2N+1088-(N+1766))$$

$$= B_{\bar{N}}(N-682) + B_{\bar{N}}(79) + B_{\bar{N}}(N-678) = (N-682) + 79 + (N-678) = 2N-1281$$

$$(N \ge 683)$$

$$\begin{split} B_{\bar{N}}(2N+1089) &= B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1088)) + B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1087)) + B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}}(2N+1089-B_{\bar{N}$$

$$B_{\bar{N}}(2N+1090) = B_{\bar{N}}(2N+1090-B_{\bar{N}}(2N+1089)) + B_{\bar{N}}(2N+1090-B_{\bar{N}}(2N+1088)) + B_{\bar{N}}(2N+1090-B_{\bar{N}}(2N+1087))$$

$$= B_{\bar{N}}(2N+1090-(N+1769)) + B_{\bar{N}}(2N+1090-(2N-1281)) + B_{\bar{N}}(2N+1090-(N+1770))$$

$$= B_{\bar{N}}(N-679) + B_{\bar{N}}(2371) + B_{\bar{N}}(N-680) = (N-679) + 2371 + (N-680) = 2N+1012$$

$$(N \ge 2371)$$

$$\begin{split} B_{\bar{N}}(2N+1091) &= B_{\bar{N}}(2N+1091-B_{\bar{N}}(2N+1090)) + B_{\bar{N}}(2N+1091-B_{\bar{N}}(2N+1089)) + B_{\bar{N}}(2N+1091-B_{\bar{N}}(2N+1088)) \\ &= B_{\bar{N}}(2N+1091-(2N+1012)) + B_{\bar{N}}(2N+1091-(N+1769)) + B_{\bar{N}}(2N+1091-(2N-1281)) \\ &= B_{\bar{N}}(79) + B_{\bar{N}}(N-678) + B_{\bar{N}}(2372) = 79 + (N-678) + 2372 = N + 1773 \\ &(N > 2372) \end{split}$$

$$B_{\bar{N}}(2N+1092) = B_{\bar{N}}(2N+1092 - B_{\bar{N}}(2N+1091)) + B_{\bar{N}}(2N+1092 - B_{\bar{N}}(2N+1090)) + B_{\bar{N}}(2N+1092 - B_{\bar{N}}(2N+1089))$$

$$= B_{\bar{N}}(2N+1092 - (N+1773)) + B_{\bar{N}}(2N+1092 - (2N+1012)) + B_{\bar{N}}(2N+1092 - (N+1769))$$

$$= B_{\bar{N}}(N-681) + B_{\bar{N}}(80) + B_{\bar{N}}(N-677) = (N-681) + 80 + (N-677) = 2N - 1278$$

$$(N \ge 682)$$

$$B_{\bar{N}}(2N+1093) = B_{\bar{N}}(2N+1093-B_{\bar{N}}(2N+1092)) + B_{\bar{N}}(2N+1093-B_{\bar{N}}(2N+1091)) + B_{\bar{N}}(2N+1093-B_{\bar{N}}(2N+1090))$$

$$= B_{\bar{N}}(2N+1093-(2N-1278)) + B_{\bar{N}}(2N+1093-(N+1773)) + B_{\bar{N}}(2N+1093-(2N+1012))$$

$$= B_{\bar{N}}(2371) + B_{\bar{N}}(N-680) + B_{\bar{N}}(81) = 2371 + (N-680) + 81 = N+1772$$

$$(N \ge 2371)$$

$$B_{\bar{N}}(2N+1094) = B_{\bar{N}}(2N+1094-B_{\bar{N}}(2N+1093)) + B_{\bar{N}}(2N+1094-B_{\bar{N}}(2N+1092)) + B_{\bar{N}}(2N+1094-B_{\bar{N}}(2N+1091))$$

$$= B_{\bar{N}}(2N+1094-(N+1772)) + B_{\bar{N}}(2N+1094-(2N-1278)) + B_{\bar{N}}(2N+1094-(N+1773))$$

$$= B_{\bar{N}}(N-678) + B_{\bar{N}}(2372) + B_{\bar{N}}(N-679) = (N-678) + 2372 + (N-679) = 2N+1015$$

$$(N \ge 2372)$$

$$B_{\bar{N}}(2N+1095) = B_{\bar{N}}(2N+1095-B_{\bar{N}}(2N+1094)) + B_{\bar{N}}(2N+1095-B_{\bar{N}}(2N+1093)) + B_{\bar{N}}(2N+1095-B_{\bar{N}}(2N+1092))$$

$$= B_{\bar{N}}(2N+1095-(2N+1015)) + B_{\bar{N}}(2N+1095-(N+1772)) + B_{\bar{N}}(2N+1095-(2N-1278))$$

$$= B_{\bar{N}}(80) + B_{\bar{N}}(N-677) + B_{\bar{N}}(2373) = 80 + (N-677) + 2373 = N + 1776$$

$$(N \ge 2373)$$

$$\begin{split} B_{\bar{N}}(2N+1096) &= B_{\bar{N}}(2N+1096-B_{\bar{N}}(2N+1095)) + B_{\bar{N}}(2N+1096-B_{\bar{N}}(2N+1094)) + B_{\bar{N}}(2N+1096-B_{\bar{N}}(2N+1093)) \\ &= B_{\bar{N}}(2N+1096-(N+1776)) + B_{\bar{N}}(2N+1096-(2N+1015)) + B_{\bar{N}}(2N+1096-(N+1772)) \\ &= B_{\bar{N}}(N-680) + B_{\bar{N}}(81) + B_{\bar{N}}(N-676) = (N-680) + 81 + (N-676) = 2N-1275 \\ &(N > 681) \end{split}$$

$$B_{\bar{N}}(2N+1097) = B_{\bar{N}}(2N+1097 - B_{\bar{N}}(2N+1096)) + B_{\bar{N}}(2N+1097 - B_{\bar{N}}(2N+1095)) + B_{\bar{N}}(2N+1097 - B_{\bar{N}}(2N+1094))$$

$$= B_{\bar{N}}(2N+1097 - (2N-1275)) + B_{\bar{N}}(2N+1097 - (N+1776)) + B_{\bar{N}}(2N+1097 - (2N+1015))$$

$$= B_{\bar{N}}(2372) + B_{\bar{N}}(N-679) + B_{\bar{N}}(82) = 2372 + (N-679) + 82 = N + 1775$$

$$(N \ge 2372)$$

$$B_{\bar{N}}(2N+1098) = B_{\bar{N}}(2N+1098-B_{\bar{N}}(2N+1097)) + B_{\bar{N}}(2N+1098-B_{\bar{N}}(2N+1096)) + B_{\bar{N}}(2N+1098-B_{\bar{N}}(2N+1095))$$

$$= B_{\bar{N}}(2N+1098-(N+1775)) + B_{\bar{N}}(2N+1098-(2N-1275)) + B_{\bar{N}}(2N+1098-(N+1776))$$

$$= B_{\bar{N}}(N-677) + B_{\bar{N}}(2373) + B_{\bar{N}}(N-678) = (N-677) + 2373 + (N-678) = 2N+1018$$

$$(N \ge 2373)$$

$$B_{\bar{N}}(2N+1099) = B_{\bar{N}}(2N+1099 - B_{\bar{N}}(2N+1098)) + B_{\bar{N}}(2N+1099 - B_{\bar{N}}(2N+1097)) + B_{\bar{N}}(2N+1099 - B_{\bar{N}}(2N+1096))$$

$$= B_{\bar{N}}(2N+1099 - (2N+1018)) + B_{\bar{N}}(2N+1099 - (N+1775)) + B_{\bar{N}}(2N+1099 - (2N-1275))$$

$$= B_{\bar{N}}(81) + B_{\bar{N}}(N-676) + B_{\bar{N}}(2374) = 81 + (N-676) + 2374 = N + 1779$$

$$(N \ge 2374)$$

$$B_{\bar{N}}(2N+1100) = B_{\bar{N}}(2N+1100 - B_{\bar{N}}(2N+1099)) + B_{\bar{N}}(2N+1100 - B_{\bar{N}}(2N+1098)) + B_{\bar{N}}(2N+1100 - B_{\bar{N}}(2N+1097))$$

$$= B_{\bar{N}}(2N+1100 - (N+1779)) + B_{\bar{N}}(2N+1100 - (2N+1018)) + B_{\bar{N}}(2N+1100 - (N+1775))$$

$$= B_{\bar{N}}(N-679) + B_{\bar{N}}(82) + B_{\bar{N}}(N-675) = (N-679) + 82 + (N-675) = 2N - 1272$$

$$(N \ge 680)$$

$$B_{\bar{N}}(2N+1101) = B_{\bar{N}}(2N+1101 - B_{\bar{N}}(2N+1100)) + B_{\bar{N}}(2N+1101 - B_{\bar{N}}(2N+1099)) + B_{\bar{N}}(2N+1101 - B_{\bar{N}}(2N+1098))$$

$$= B_{\bar{N}}(2N+1101 - (2N-1272)) + B_{\bar{N}}(2N+1101 - (N+1779)) + B_{\bar{N}}(2N+1101 - (2N+1018))$$

$$= B_{\bar{N}}(2373) + B_{\bar{N}}(N-678) + B_{\bar{N}}(83) = 2373 + (N-678) + 83 = N + 1778$$

$$(N \ge 2373)$$

$$B_{\bar{N}}(2N+1102) = B_{\bar{N}}(2N+1102-B_{\bar{N}}(2N+1101)) + B_{\bar{N}}(2N+1102-B_{\bar{N}}(2N+1100)) + B_{\bar{N}}(2N+1102-B_{\bar{N}}(2N+1099))$$

$$= B_{\bar{N}}(2N+1102-(N+1778)) + B_{\bar{N}}(2N+1102-(2N-1272)) + B_{\bar{N}}(2N+1102-(N+1779))$$

$$= B_{\bar{N}}(N-676) + B_{\bar{N}}(2374) + B_{\bar{N}}(N-677) = (N-676) + 2374 + (N-677) = 2N+1021$$

$$(N \ge 2374)$$

$$B_{\bar{N}}(2N+1103) = B_{\bar{N}}(2N+1103 - B_{\bar{N}}(2N+1102)) + B_{\bar{N}}(2N+1103 - B_{\bar{N}}(2N+1101)) + B_{\bar{N}}(2N+1103 - B_{\bar{N}}(2N+1100))$$

$$= B_{\bar{N}}(2N+1103 - (2N+1021)) + B_{\bar{N}}(2N+1103 - (N+1778)) + B_{\bar{N}}(2N+1103 - (2N-1272))$$

$$= B_{\bar{N}}(82) + B_{\bar{N}}(N-675) + B_{\bar{N}}(2375) = 82 + (N-675) + 2375 = N + 1782$$

$$(N \ge 2375)$$

$$B_{\bar{N}}(2N+1104) = B_{\bar{N}}(2N+1104 - B_{\bar{N}}(2N+1103)) + B_{\bar{N}}(2N+1104 - B_{\bar{N}}(2N+1102)) + B_{\bar{N}}(2N+1104 - B_{\bar{N}}(2N+1101))$$

$$= B_{\bar{N}}(2N+1104 - (N+1782)) + B_{\bar{N}}(2N+1104 - (2N+1021)) + B_{\bar{N}}(2N+1104 - (N+1778))$$

$$= B_{\bar{N}}(N-678) + B_{\bar{N}}(83) + B_{\bar{N}}(N-674) = (N-678) + 83 + (N-674) = 2N - 1269$$

$$(N \ge 679)$$

$$B_{\bar{N}}(2N+1105) = B_{\bar{N}}(2N+1105 - B_{\bar{N}}(2N+1104)) + B_{\bar{N}}(2N+1105 - B_{\bar{N}}(2N+1103)) + B_{\bar{N}}(2N+1105 - B_{\bar{N}}(2N+1102))$$

$$= B_{\bar{N}}(2N+1105 - (2N-1269)) + B_{\bar{N}}(2N+1105 - (N+1782)) + B_{\bar{N}}(2N+1105 - (2N+1021))$$

$$= B_{\bar{N}}(2374) + B_{\bar{N}}(N-677) + B_{\bar{N}}(84) = 2374 + (N-677) + 84 = N + 1781$$

$$(N \ge 2374)$$

$$B_{\bar{N}}(2N+1106) = B_{\bar{N}}(2N+1106-B_{\bar{N}}(2N+1105)) + B_{\bar{N}}(2N+1106-B_{\bar{N}}(2N+1104)) + B_{\bar{N}}(2N+1106-B_{\bar{N}}(2N+1103))$$

$$= B_{\bar{N}}(2N+1106-(N+1781)) + B_{\bar{N}}(2N+1106-(2N-1269)) + B_{\bar{N}}(2N+1106-(N+1782))$$

$$= B_{\bar{N}}(N-675) + B_{\bar{N}}(2375) + B_{\bar{N}}(N-676) = (N-675) + 2375 + (N-676) = 2N+1024$$

$$(N > 2375)$$

$$B_{\bar{N}}(2N+1107) = B_{\bar{N}}(2N+1107 - B_{\bar{N}}(2N+1106)) + B_{\bar{N}}(2N+1107 - B_{\bar{N}}(2N+1105)) + B_{\bar{N}}(2N+1107 - B_{\bar{N}}(2N+1104))$$

$$= B_{\bar{N}}(2N+1107 - (2N+1024)) + B_{\bar{N}}(2N+1107 - (N+1781)) + B_{\bar{N}}(2N+1107 - (2N-1269))$$

$$= B_{\bar{N}}(83) + B_{\bar{N}}(N-674) + B_{\bar{N}}(2376) = 83 + (N-674) + 2376 = N+1785$$

$$(N \ge 2376)$$

$$B_{\bar{N}}(2N+1108) = B_{\bar{N}}(2N+1108-B_{\bar{N}}(2N+1107)) + B_{\bar{N}}(2N+1108-B_{\bar{N}}(2N+1106)) + B_{\bar{N}}(2N+1108-B_{\bar{N}}(2N+1105))$$

$$= B_{\bar{N}}(2N+1108-(N+1785)) + B_{\bar{N}}(2N+1108-(2N+1024)) + B_{\bar{N}}(2N+1108-(N+1781))$$

$$= B_{\bar{N}}(N-677) + B_{\bar{N}}(84) + B_{\bar{N}}(N-673) = (N-677) + 84 + (N-673) = 2N-1266$$

$$(N \ge 678)$$

$$\begin{split} B_{\bar{N}}(2N+1109) &= B_{\bar{N}}(2N+1109 - B_{\bar{N}}(2N+1108)) + B_{\bar{N}}(2N+1109 - B_{\bar{N}}(2N+1107)) + B_{\bar{N}}(2N+1109 - B_{\bar{N}}(2N+1106)) \\ &= B_{\bar{N}}(2N+1109 - (2N-1266)) + B_{\bar{N}}(2N+1109 - (N+1785)) + B_{\bar{N}}(2N+1109 - (2N+1024)) \\ &= B_{\bar{N}}(2375) + B_{\bar{N}}(N-676) + B_{\bar{N}}(85) = 2375 + (N-676) + 85 = N+1784 \\ &(N \geq 2375) \end{split}$$

$$B_{\bar{N}}(2N+1110) = B_{\bar{N}}(2N+1110-B_{\bar{N}}(2N+1109)) + B_{\bar{N}}(2N+1110-B_{\bar{N}}(2N+1108)) + B_{\bar{N}}(2N+1110-B_{\bar{N}}(2N+1107))$$

$$= B_{\bar{N}}(2N+1110-(N+1784)) + B_{\bar{N}}(2N+1110-(2N-1266)) + B_{\bar{N}}(2N+1110-(N+1785))$$

$$= B_{\bar{N}}(N-674) + B_{\bar{N}}(2376) + B_{\bar{N}}(N-675) = (N-674) + 2376 + (N-675) = 2N+1027$$

$$(N \ge 2376)$$

$$B_{\bar{N}}(2N+1111) = B_{\bar{N}}(2N+1111-B_{\bar{N}}(2N+1110)) + B_{\bar{N}}(2N+1111-B_{\bar{N}}(2N+1109)) + B_{\bar{N}}(2N+1111-B_{\bar{N}}(2N+1108))$$

$$= B_{\bar{N}}(2N+1111-(2N+1027)) + B_{\bar{N}}(2N+1111-(N+1784)) + B_{\bar{N}}(2N+1111-(2N-1266))$$

$$= B_{\bar{N}}(84) + B_{\bar{N}}(N-673) + B_{\bar{N}}(2377) = 84 + (N-673) + 2377 = N + 1788$$

$$(N \ge 2377)$$

$$B_{\bar{N}}(2N+1112) = B_{\bar{N}}(2N+1112-B_{\bar{N}}(2N+1111)) + B_{\bar{N}}(2N+1112-B_{\bar{N}}(2N+1110)) + B_{\bar{N}}(2N+1112-B_{\bar{N}}(2N+1109))$$

$$= B_{\bar{N}}(2N+1112-(N+1788)) + B_{\bar{N}}(2N+1112-(2N+1027)) + B_{\bar{N}}(2N+1112-(N+1784))$$

$$= B_{\bar{N}}(N-676) + B_{\bar{N}}(85) + B_{\bar{N}}(N-672) = (N-676) + 85 + (N-672) = 2N-1263$$

$$(N \ge 677)$$

$$B_{\bar{N}}(2N+1113) = B_{\bar{N}}(2N+1113-B_{\bar{N}}(2N+1112)) + B_{\bar{N}}(2N+1113-B_{\bar{N}}(2N+1111)) + B_{\bar{N}}(2N+1113-B_{\bar{N}}(2N+1110))$$

$$= B_{\bar{N}}(2N+1113-(2N-1263)) + B_{\bar{N}}(2N+1113-(N+1788)) + B_{\bar{N}}(2N+1113-(2N+1027))$$

$$= B_{\bar{N}}(2376) + B_{\bar{N}}(N-675) + B_{\bar{N}}(86) = 2376 + (N-675) + 86 = N+1787$$

$$(N \ge 2376)$$

$$\begin{split} B_{\bar{N}}(2N+1114) &= B_{\bar{N}}(2N+1114-B_{\bar{N}}(2N+1113)) + B_{\bar{N}}(2N+1114-B_{\bar{N}}(2N+1112)) + B_{\bar{N}}(2N+1114-B_{\bar{N}}(2N+1111)) \\ &= B_{\bar{N}}(2N+1114-(N+1787)) + B_{\bar{N}}(2N+1114-(2N-1263)) + B_{\bar{N}}(2N+1114-(N+1788)) \\ &= B_{\bar{N}}(N-673) + B_{\bar{N}}(2377) + B_{\bar{N}}(N-674) = (N-673) + 2377 + (N-674) = 2N+1030 \\ &(N \geq 2377) \end{split}$$

$$B_{\bar{N}}(2N+1115) = B_{\bar{N}}(2N+1115 - B_{\bar{N}}(2N+1114)) + B_{\bar{N}}(2N+1115 - B_{\bar{N}}(2N+1113)) + B_{\bar{N}}(2N+1115 - B_{\bar{N}}(2N+1112))$$

$$= B_{\bar{N}}(2N+1115 - (2N+1030)) + B_{\bar{N}}(2N+1115 - (N+1787)) + B_{\bar{N}}(2N+1115 - (2N-1263))$$

$$= B_{\bar{N}}(85) + B_{\bar{N}}(N-672) + B_{\bar{N}}(2378) = 85 + (N-672) + 2378 = N + 1791$$

$$(N \ge 2378)$$

$$B_{\bar{N}}(2N+1116) = B_{\bar{N}}(2N+1116-B_{\bar{N}}(2N+1115)) + B_{\bar{N}}(2N+1116-B_{\bar{N}}(2N+1114)) + B_{\bar{N}}(2N+1116-B_{\bar{N}}(2N+1113))$$

$$= B_{\bar{N}}(2N+1116-(N+1791)) + B_{\bar{N}}(2N+1116-(2N+1030)) + B_{\bar{N}}(2N+1116-(N+1787))$$

$$= B_{\bar{N}}(N-675) + B_{\bar{N}}(86) + B_{\bar{N}}(N-671) = (N-675) + 86 + (N-671) = 2N-1260$$

$$(N > 676)$$

$$B_{\bar{N}}(2N+1117) = B_{\bar{N}}(2N+1117 - B_{\bar{N}}(2N+1116)) + B_{\bar{N}}(2N+1117 - B_{\bar{N}}(2N+1115)) + B_{\bar{N}}(2N+1117 - B_{\bar{N}}(2N+1114))$$

$$= B_{\bar{N}}(2N+1117 - (2N-1260)) + B_{\bar{N}}(2N+1117 - (N+1791)) + B_{\bar{N}}(2N+1117 - (2N+1030))$$

$$= B_{\bar{N}}(2377) + B_{\bar{N}}(N-674) + B_{\bar{N}}(87) = 2377 + (N-674) + 87 = N + 1790$$

$$(N \ge 2377)$$

$$B_{\bar{N}}(2N+1118) = B_{\bar{N}}(2N+1118-B_{\bar{N}}(2N+1117)) + B_{\bar{N}}(2N+1118-B_{\bar{N}}(2N+1116)) + B_{\bar{N}}(2N+1118-B_{\bar{N}}(2N+1115))$$

$$= B_{\bar{N}}(2N+1118-(N+1790)) + B_{\bar{N}}(2N+1118-(2N-1260)) + B_{\bar{N}}(2N+1118-(N+1791))$$

$$= B_{\bar{N}}(N-672) + B_{\bar{N}}(2378) + B_{\bar{N}}(N-673) = (N-672) + 2378 + (N-673) = 2N+1033$$

$$(N \ge 2378)$$

$$B_{\bar{N}}(2N+1119) = B_{\bar{N}}(2N+1119 - B_{\bar{N}}(2N+1118)) + B_{\bar{N}}(2N+1119 - B_{\bar{N}}(2N+1117)) + B_{\bar{N}}(2N+1119 - B_{\bar{N}}(2N+1116))$$

$$= B_{\bar{N}}(2N+1119 - (2N+1033)) + B_{\bar{N}}(2N+1119 - (N+1790)) + B_{\bar{N}}(2N+1119 - (2N-1260))$$

$$= B_{\bar{N}}(86) + B_{\bar{N}}(N-671) + B_{\bar{N}}(2379) = 86 + (N-671) + 2379 = N + 1794$$

$$(N \ge 2379)$$

$$B_{\bar{N}}(2N+1120) = B_{\bar{N}}(2N+1120-B_{\bar{N}}(2N+1119)) + B_{\bar{N}}(2N+1120-B_{\bar{N}}(2N+1118)) + B_{\bar{N}}(2N+1120-B_{\bar{N}}(2N+1117))$$

$$= B_{\bar{N}}(2N+1120-(N+1794)) + B_{\bar{N}}(2N+1120-(2N+1033)) + B_{\bar{N}}(2N+1120-(N+1790))$$

$$= B_{\bar{N}}(N-674) + B_{\bar{N}}(87) + B_{\bar{N}}(N-670) = (N-674) + 87 + (N-670) = 2N-1257$$

$$(N \ge 675)$$

$$B_{\bar{N}}(2N+1121) = B_{\bar{N}}(2N+1121-B_{\bar{N}}(2N+1120)) + B_{\bar{N}}(2N+1121-B_{\bar{N}}(2N+1119)) + B_{\bar{N}}(2N+1121-B_{\bar{N}}(2N+1118))$$

$$= B_{\bar{N}}(2N+1121-(2N-1257)) + B_{\bar{N}}(2N+1121-(N+1794)) + B_{\bar{N}}(2N+1121-(2N+1033))$$

$$= B_{\bar{N}}(2378) + B_{\bar{N}}(N-673) + B_{\bar{N}}(88) = 2378 + (N-673) + 88 = N+1793$$

$$(N > 2378)$$

$$B_{\bar{N}}(2N+1122) = B_{\bar{N}}(2N+1122-B_{\bar{N}}(2N+1121)) + B_{\bar{N}}(2N+1122-B_{\bar{N}}(2N+1120)) + B_{\bar{N}}(2N+1122-B_{\bar{N}}(2N+1119))$$

$$= B_{\bar{N}}(2N+1122-(N+1793)) + B_{\bar{N}}(2N+1122-(2N-1257)) + B_{\bar{N}}(2N+1122-(N+1794))$$

$$= B_{\bar{N}}(N-671) + B_{\bar{N}}(2379) + B_{\bar{N}}(N-672) = (N-671) + 2379 + (N-672) = 2N+1036$$

$$(N \ge 2379)$$

$$B_{\bar{N}}(2N+1123) = B_{\bar{N}}(2N+1123-B_{\bar{N}}(2N+1122)) + B_{\bar{N}}(2N+1123-B_{\bar{N}}(2N+1121)) + B_{\bar{N}}(2N+1123-B_{\bar{N}}(2N+1120))$$

$$= B_{\bar{N}}(2N+1123-(2N+1036)) + B_{\bar{N}}(2N+1123-(N+1793)) + B_{\bar{N}}(2N+1123-(2N-1257))$$

$$= B_{\bar{N}}(87) + B_{\bar{N}}(N-670) + B_{\bar{N}}(2380) = 87 + (N-670) + 2380 = N + 1797$$

$$(N \ge 2380)$$

$$B_{\bar{N}}(2N+1124) = B_{\bar{N}}(2N+1124-B_{\bar{N}}(2N+1123)) + B_{\bar{N}}(2N+1124-B_{\bar{N}}(2N+1122)) + B_{\bar{N}}(2N+1124-B_{\bar{N}}(2N+1121))$$

$$= B_{\bar{N}}(2N+1124-(N+1797)) + B_{\bar{N}}(2N+1124-(2N+1036)) + B_{\bar{N}}(2N+1124-(N+1793))$$

$$= B_{\bar{N}}(N-673) + B_{\bar{N}}(88) + B_{\bar{N}}(N-669) = (N-673) + 88 + (N-669) = 2N-1254$$

$$(N \ge 674)$$

$$B_{\bar{N}}(2N+1125) = B_{\bar{N}}(2N+1125-B_{\bar{N}}(2N+1124)) + B_{\bar{N}}(2N+1125-B_{\bar{N}}(2N+1123)) + B_{\bar{N}}(2N+1125-B_{\bar{N}}(2N+1122))$$

$$= B_{\bar{N}}(2N+1125-(2N-1254)) + B_{\bar{N}}(2N+1125-(N+1797)) + B_{\bar{N}}(2N+1125-(2N+1036))$$

$$= B_{\bar{N}}(2379) + B_{\bar{N}}(N-672) + B_{\bar{N}}(89) = 2379 + (N-672) + 89 = N+1796$$

$$(N \ge 2379)$$

$$B_{\bar{N}}(2N+1126) = B_{\bar{N}}(2N+1126-B_{\bar{N}}(2N+1125)) + B_{\bar{N}}(2N+1126-B_{\bar{N}}(2N+1124)) + B_{\bar{N}}(2N+1126-B_{\bar{N}}(2N+1123))$$

$$= B_{\bar{N}}(2N+1126-(N+1796)) + B_{\bar{N}}(2N+1126-(2N-1254)) + B_{\bar{N}}(2N+1126-(N+1797))$$

$$= B_{\bar{N}}(N-670) + B_{\bar{N}}(2380) + B_{\bar{N}}(N-671) = (N-670) + 2380 + (N-671) = 2N+1039$$

$$(N > 2380)$$

$$B_{\bar{N}}(2N+1127) = B_{\bar{N}}(2N+1127-B_{\bar{N}}(2N+1126)) + B_{\bar{N}}(2N+1127-B_{\bar{N}}(2N+1125)) + B_{\bar{N}}(2N+1127-B_{\bar{N}}(2N+1124))$$

$$= B_{\bar{N}}(2N+1127-(2N+1039)) + B_{\bar{N}}(2N+1127-(N+1796)) + B_{\bar{N}}(2N+1127-(2N-1254))$$

$$= B_{\bar{N}}(88) + B_{\bar{N}}(N-669) + B_{\bar{N}}(2381) = 88 + (N-669) + 2381 = N + 1800$$

$$(N \ge 2381)$$

$$B_{\bar{N}}(2N+1128) = B_{\bar{N}}(2N+1128-B_{\bar{N}}(2N+1127)) + B_{\bar{N}}(2N+1128-B_{\bar{N}}(2N+1126)) + B_{\bar{N}}(2N+1128-B_{\bar{N}}(2N+1125))$$

$$= B_{\bar{N}}(2N+1128-(N+1800)) + B_{\bar{N}}(2N+1128-(2N+1039)) + B_{\bar{N}}(2N+1128-(N+1796))$$

$$= B_{\bar{N}}(N-672) + B_{\bar{N}}(89) + B_{\bar{N}}(N-668) = (N-672) + 89 + (N-668) = 2N-1251$$

$$(N \ge 673)$$

$$B_{\bar{N}}(2N+1129) = B_{\bar{N}}(2N+1129 - B_{\bar{N}}(2N+1128)) + B_{\bar{N}}(2N+1129 - B_{\bar{N}}(2N+1127)) + B_{\bar{N}}(2N+1129 - B_{\bar{N}}(2N+1126))$$

$$= B_{\bar{N}}(2N+1129 - (2N-1251)) + B_{\bar{N}}(2N+1129 - (N+1800)) + B_{\bar{N}}(2N+1129 - (2N+1039))$$

$$= B_{\bar{N}}(2380) + B_{\bar{N}}(N-671) + B_{\bar{N}}(90) = 2380 + (N-671) + 90 = N+1799$$

$$(N \ge 2380)$$

$$B_{\bar{N}}(2N+1130) = B_{\bar{N}}(2N+1130 - B_{\bar{N}}(2N+1129)) + B_{\bar{N}}(2N+1130 - B_{\bar{N}}(2N+1128)) + B_{\bar{N}}(2N+1130 - B_{\bar{N}}(2N+1127))$$

$$= B_{\bar{N}}(2N+1130 - (N+1799)) + B_{\bar{N}}(2N+1130 - (2N-1251)) + B_{\bar{N}}(2N+1130 - (N+1800))$$

$$= B_{\bar{N}}(N-669) + B_{\bar{N}}(2381) + B_{\bar{N}}(N-670) = (N-669) + 2381 + (N-670) = 2N+1042$$

$$(N \ge 2381)$$

$$B_{\bar{N}}(2N+1131) = B_{\bar{N}}(2N+1131-B_{\bar{N}}(2N+1130)) + B_{\bar{N}}(2N+1131-B_{\bar{N}}(2N+1129)) + B_{\bar{N}}(2N+1131-B_{\bar{N}}(2N+1128))$$

$$= B_{\bar{N}}(2N+1131-(2N+1042)) + B_{\bar{N}}(2N+1131-(N+1799)) + B_{\bar{N}}(2N+1131-(2N-1251))$$

$$= B_{\bar{N}}(89) + B_{\bar{N}}(N-668) + B_{\bar{N}}(2382) = 89 + (N-668) + 2382 = N + 1803$$

$$(N > 2382)$$

$$B_{\bar{N}}(2N+1132) = B_{\bar{N}}(2N+1132-B_{\bar{N}}(2N+1131)) + B_{\bar{N}}(2N+1132-B_{\bar{N}}(2N+1130)) + B_{\bar{N}}(2N+1132-B_{\bar{N}}(2N+1129))$$

$$= B_{\bar{N}}(2N+1132-(N+1803)) + B_{\bar{N}}(2N+1132-(2N+1042)) + B_{\bar{N}}(2N+1132-(N+1799))$$

$$= B_{\bar{N}}(N-671) + B_{\bar{N}}(90) + B_{\bar{N}}(N-667) = (N-671) + 90 + (N-667) = 2N-1248$$

$$(N \ge 672)$$

$$B_{\bar{N}}(2N+1133) = B_{\bar{N}}(2N+1133-B_{\bar{N}}(2N+1132)) + B_{\bar{N}}(2N+1133-B_{\bar{N}}(2N+1131)) + B_{\bar{N}}(2N+1133-B_{\bar{N}}(2N+1130))$$

$$= B_{\bar{N}}(2N+1133-(2N-1248)) + B_{\bar{N}}(2N+1133-(N+1803)) + B_{\bar{N}}(2N+1133-(2N+1042))$$

$$= B_{\bar{N}}(2381) + B_{\bar{N}}(N-670) + B_{\bar{N}}(91) = 2381 + (N-670) + 91 = N+1802$$

$$(N \ge 2381)$$

$$B_{\bar{N}}(2N+1134) = B_{\bar{N}}(2N+1134 - B_{\bar{N}}(2N+1133)) + B_{\bar{N}}(2N+1134 - B_{\bar{N}}(2N+1132)) + B_{\bar{N}}(2N+1134 - B_{\bar{N}}(2N+1131))$$

$$= B_{\bar{N}}(2N+1134 - (N+1802)) + B_{\bar{N}}(2N+1134 - (2N-1248)) + B_{\bar{N}}(2N+1134 - (N+1803))$$

$$= B_{\bar{N}}(N-668) + B_{\bar{N}}(2382) + B_{\bar{N}}(N-669) = (N-668) + 2382 + (N-669) = 2N+1045$$

$$(N \ge 2382)$$

$$B_{\bar{N}}(2N+1135) = B_{\bar{N}}(2N+1135 - B_{\bar{N}}(2N+1134)) + B_{\bar{N}}(2N+1135 - B_{\bar{N}}(2N+1133)) + B_{\bar{N}}(2N+1135 - B_{\bar{N}}(2N+1132))$$

$$= B_{\bar{N}}(2N+1135 - (2N+1045)) + B_{\bar{N}}(2N+1135 - (N+1802)) + B_{\bar{N}}(2N+1135 - (2N-1248))$$

$$= B_{\bar{N}}(90) + B_{\bar{N}}(N-667) + B_{\bar{N}}(2383) = 90 + (N-667) + 2383 = N + 1806$$

$$(N \ge 2383)$$

$$B_{\bar{N}}(2N+1136) = B_{\bar{N}}(2N+1136-B_{\bar{N}}(2N+1135)) + B_{\bar{N}}(2N+1136-B_{\bar{N}}(2N+1134)) + B_{\bar{N}}(2N+1136-B_{\bar{N}}(2N+1133))$$

$$= B_{\bar{N}}(2N+1136-(N+1806)) + B_{\bar{N}}(2N+1136-(2N+1045)) + B_{\bar{N}}(2N+1136-(N+1802))$$

$$= B_{\bar{N}}(N-670) + B_{\bar{N}}(91) + B_{\bar{N}}(N-666) = (N-670) + 91 + (N-666) = 2N-1245$$

$$(N > 671)$$

$$B_{\bar{N}}(2N+1137) = B_{\bar{N}}(2N+1137 - B_{\bar{N}}(2N+1136)) + B_{\bar{N}}(2N+1137 - B_{\bar{N}}(2N+1135)) + B_{\bar{N}}(2N+1137 - B_{\bar{N}}(2N+1134))$$

$$= B_{\bar{N}}(2N+1137 - (2N-1245)) + B_{\bar{N}}(2N+1137 - (N+1806)) + B_{\bar{N}}(2N+1137 - (2N+1045))$$

$$= B_{\bar{N}}(2382) + B_{\bar{N}}(N-669) + B_{\bar{N}}(92) = 2382 + (N-669) + 92 = N+1805$$

$$(N \ge 2382)$$

$$B_{\bar{N}}(2N+1138) = B_{\bar{N}}(2N+1138-B_{\bar{N}}(2N+1137)) + B_{\bar{N}}(2N+1138-B_{\bar{N}}(2N+1136)) + B_{\bar{N}}(2N+1138-B_{\bar{N}}(2N+1135))$$

$$= B_{\bar{N}}(2N+1138-(N+1805)) + B_{\bar{N}}(2N+1138-(2N-1245)) + B_{\bar{N}}(2N+1138-(N+1806))$$

$$= B_{\bar{N}}(N-667) + B_{\bar{N}}(2383) + B_{\bar{N}}(N-668) = (N-667) + 2383 + (N-668) = 2N+1048$$

$$(N \ge 2383)$$

$$B_{\bar{N}}(2N+1139) = B_{\bar{N}}(2N+1139 - B_{\bar{N}}(2N+1138)) + B_{\bar{N}}(2N+1139 - B_{\bar{N}}(2N+1137)) + B_{\bar{N}}(2N+1139 - B_{\bar{N}}(2N+1136))$$

$$= B_{\bar{N}}(2N+1139 - (2N+1048)) + B_{\bar{N}}(2N+1139 - (N+1805)) + B_{\bar{N}}(2N+1139 - (2N-1245))$$

$$= B_{\bar{N}}(91) + B_{\bar{N}}(N-666) + B_{\bar{N}}(2384) = 91 + (N-666) + 2384 = N + 1809$$

$$(N \ge 2384)$$

$$B_{\bar{N}}(2N+1140) = B_{\bar{N}}(2N+1140 - B_{\bar{N}}(2N+1139)) + B_{\bar{N}}(2N+1140 - B_{\bar{N}}(2N+1138)) + B_{\bar{N}}(2N+1140 - B_{\bar{N}}(2N+1137))$$

$$= B_{\bar{N}}(2N+1140 - (N+1809)) + B_{\bar{N}}(2N+1140 - (2N+1048)) + B_{\bar{N}}(2N+1140 - (N+1805))$$

$$= B_{\bar{N}}(N-669) + B_{\bar{N}}(92) + B_{\bar{N}}(N-665) = (N-669) + 92 + (N-665) = 2N - 1242$$

$$(N \ge 670)$$

$$B_{\bar{N}}(2N+1141) = B_{\bar{N}}(2N+1141-B_{\bar{N}}(2N+1140)) + B_{\bar{N}}(2N+1141-B_{\bar{N}}(2N+1139)) + B_{\bar{N}}(2N+1141-B_{\bar{N}}(2N+1138))$$

$$= B_{\bar{N}}(2N+1141-(2N-1242)) + B_{\bar{N}}(2N+1141-(N+1809)) + B_{\bar{N}}(2N+1141-(2N+1048))$$

$$= B_{\bar{N}}(2383) + B_{\bar{N}}(N-668) + B_{\bar{N}}(93) = 2383 + (N-668) + 93 = N+1808$$

$$(N > 2383)$$

$$B_{\bar{N}}(2N+1142) = B_{\bar{N}}(2N+1142-B_{\bar{N}}(2N+1141)) + B_{\bar{N}}(2N+1142-B_{\bar{N}}(2N+1140)) + B_{\bar{N}}(2N+1142-B_{\bar{N}}(2N+1139))$$

$$= B_{\bar{N}}(2N+1142-(N+1808)) + B_{\bar{N}}(2N+1142-(2N-1242)) + B_{\bar{N}}(2N+1142-(N+1809))$$

$$= B_{\bar{N}}(N-666) + B_{\bar{N}}(2384) + B_{\bar{N}}(N-667) = (N-666) + 2384 + (N-667) = 2N+1051$$

$$(N \ge 2384)$$

$$B_{\bar{N}}(2N+1143) = B_{\bar{N}}(2N+1143-B_{\bar{N}}(2N+1142)) + B_{\bar{N}}(2N+1143-B_{\bar{N}}(2N+1141)) + B_{\bar{N}}(2N+1143-B_{\bar{N}}(2N+1140))$$

$$= B_{\bar{N}}(2N+1143-(2N+1051)) + B_{\bar{N}}(2N+1143-(N+1808)) + B_{\bar{N}}(2N+1143-(2N-1242))$$

$$= B_{\bar{N}}(92) + B_{\bar{N}}(N-665) + B_{\bar{N}}(2385) = 92 + (N-665) + 2385 = N+1812$$

$$(N \ge 2385)$$

$$B_{\bar{N}}(2N+1144) = B_{\bar{N}}(2N+1144 - B_{\bar{N}}(2N+1143)) + B_{\bar{N}}(2N+1144 - B_{\bar{N}}(2N+1142)) + B_{\bar{N}}(2N+1144 - B_{\bar{N}}(2N+1141))$$

$$= B_{\bar{N}}(2N+1144 - (N+1812)) + B_{\bar{N}}(2N+1144 - (2N+1051)) + B_{\bar{N}}(2N+1144 - (N+1808))$$

$$= B_{\bar{N}}(N-668) + B_{\bar{N}}(93) + B_{\bar{N}}(N-664) = (N-668) + 93 + (N-664) = 2N - 1239$$

$$(N \ge 669)$$

$$B_{\bar{N}}(2N+1145) = B_{\bar{N}}(2N+1145-B_{\bar{N}}(2N+1144)) + B_{\bar{N}}(2N+1145-B_{\bar{N}}(2N+1143)) + B_{\bar{N}}(2N+1145-B_{\bar{N}}(2N+1142))$$

$$= B_{\bar{N}}(2N+1145-(2N-1239)) + B_{\bar{N}}(2N+1145-(N+1812)) + B_{\bar{N}}(2N+1145-(2N+1051))$$

$$= B_{\bar{N}}(2384) + B_{\bar{N}}(N-667) + B_{\bar{N}}(94) = 2384 + (N-667) + 94 = N+1811$$

$$(N \ge 2384)$$

$$B_{\bar{N}}(2N+1146) = B_{\bar{N}}(2N+1146-B_{\bar{N}}(2N+1145)) + B_{\bar{N}}(2N+1146-B_{\bar{N}}(2N+1144)) + B_{\bar{N}}(2N+1146-B_{\bar{N}}(2N+1143))$$

$$= B_{\bar{N}}(2N+1146-(N+1811)) + B_{\bar{N}}(2N+1146-(2N-1239)) + B_{\bar{N}}(2N+1146-(N+1812))$$

$$= B_{\bar{N}}(N-665) + B_{\bar{N}}(2385) + B_{\bar{N}}(N-666) = (N-665) + 2385 + (N-666) = 2N+1054$$

$$(N > 2385)$$

$$B_{\bar{N}}(2N+1147) = B_{\bar{N}}(2N+1147-B_{\bar{N}}(2N+1146)) + B_{\bar{N}}(2N+1147-B_{\bar{N}}(2N+1145)) + B_{\bar{N}}(2N+1147-B_{\bar{N}}(2N+1144))$$

$$= B_{\bar{N}}(2N+1147-(2N+1054)) + B_{\bar{N}}(2N+1147-(N+1811)) + B_{\bar{N}}(2N+1147-(2N-1239))$$

$$= B_{\bar{N}}(93) + B_{\bar{N}}(N-664) + B_{\bar{N}}(2386) = 93 + (N-664) + 2386 = N+1815$$

$$(N \ge 2386)$$

$$B_{\bar{N}}(2N+1148) = B_{\bar{N}}(2N+1148-B_{\bar{N}}(2N+1147)) + B_{\bar{N}}(2N+1148-B_{\bar{N}}(2N+1146)) + B_{\bar{N}}(2N+1148-B_{\bar{N}}(2N+1145))$$

$$= B_{\bar{N}}(2N+1148-(N+1815)) + B_{\bar{N}}(2N+1148-(2N+1054)) + B_{\bar{N}}(2N+1148-(N+1811))$$

$$= B_{\bar{N}}(N-667) + B_{\bar{N}}(94) + B_{\bar{N}}(N-663) = (N-667) + 94 + (N-663) = 2N-1236$$

$$(N \ge 668)$$

$$\begin{split} B_{\bar{N}}(2N+1149) &= B_{\bar{N}}(2N+1149 - B_{\bar{N}}(2N+1148)) + B_{\bar{N}}(2N+1149 - B_{\bar{N}}(2N+1147)) + B_{\bar{N}}(2N+1149 - B_{\bar{N}}(2N+1146)) \\ &= B_{\bar{N}}(2N+1149 - (2N-1236)) + B_{\bar{N}}(2N+1149 - (N+1815)) + B_{\bar{N}}(2N+1149 - (2N+1054)) \\ &= B_{\bar{N}}(2385) + B_{\bar{N}}(N-666) + B_{\bar{N}}(95) = 2385 + (N-666) + 95 = N+1814 \\ &(N \geq 2385) \end{split}$$

$$B_{\bar{N}}(2N+1150) = B_{\bar{N}}(2N+1150 - B_{\bar{N}}(2N+1149)) + B_{\bar{N}}(2N+1150 - B_{\bar{N}}(2N+1148)) + B_{\bar{N}}(2N+1150 - B_{\bar{N}}(2N+1147))$$

$$= B_{\bar{N}}(2N+1150 - (N+1814)) + B_{\bar{N}}(2N+1150 - (2N-1236)) + B_{\bar{N}}(2N+1150 - (N+1815))$$

$$= B_{\bar{N}}(N-664) + B_{\bar{N}}(2386) + B_{\bar{N}}(N-665) = (N-664) + 2386 + (N-665) = 2N+1057$$

$$(N \ge 2386)$$

$$B_{\bar{N}}(2N+1151) = B_{\bar{N}}(2N+1151-B_{\bar{N}}(2N+1150)) + B_{\bar{N}}(2N+1151-B_{\bar{N}}(2N+1149)) + B_{\bar{N}}(2N+1151-B_{\bar{N}}(2N+1148))$$

$$= B_{\bar{N}}(2N+1151-(2N+1057)) + B_{\bar{N}}(2N+1151-(N+1814)) + B_{\bar{N}}(2N+1151-(2N-1236))$$

$$= B_{\bar{N}}(94) + B_{\bar{N}}(N-663) + B_{\bar{N}}(2387) = 94 + (N-663) + 2387 = N + 1818$$

$$(N > 2387)$$

$$B_{\bar{N}}(2N+1152) = B_{\bar{N}}(2N+1152-B_{\bar{N}}(2N+1151)) + B_{\bar{N}}(2N+1152-B_{\bar{N}}(2N+1150)) + B_{\bar{N}}(2N+1152-B_{\bar{N}}(2N+1149))$$

$$= B_{\bar{N}}(2N+1152-(N+1818)) + B_{\bar{N}}(2N+1152-(2N+1057)) + B_{\bar{N}}(2N+1152-(N+1814))$$

$$= B_{\bar{N}}(N-666) + B_{\bar{N}}(95) + B_{\bar{N}}(N-662) = (N-666) + 95 + (N-662) = 2N-1233$$

$$(N \ge 667)$$

$$B_{\bar{N}}(2N+1153) = B_{\bar{N}}(2N+1153-B_{\bar{N}}(2N+1152)) + B_{\bar{N}}(2N+1153-B_{\bar{N}}(2N+1151)) + B_{\bar{N}}(2N+1153-B_{\bar{N}}(2N+1150))$$

$$= B_{\bar{N}}(2N+1153-(2N-1233)) + B_{\bar{N}}(2N+1153-(N+1818)) + B_{\bar{N}}(2N+1153-(2N+1057))$$

$$= B_{\bar{N}}(2386) + B_{\bar{N}}(N-665) + B_{\bar{N}}(96) = 2386 + (N-665) + 96 = N+1817$$

$$(N \ge 2386)$$

$$B_{\bar{N}}(2N+1154) = B_{\bar{N}}(2N+1154-B_{\bar{N}}(2N+1153)) + B_{\bar{N}}(2N+1154-B_{\bar{N}}(2N+1152)) + B_{\bar{N}}(2N+1154-B_{\bar{N}}(2N+1151))$$

$$= B_{\bar{N}}(2N+1154-(N+1817)) + B_{\bar{N}}(2N+1154-(2N-1233)) + B_{\bar{N}}(2N+1154-(N+1818))$$

$$= B_{\bar{N}}(N-663) + B_{\bar{N}}(2387) + B_{\bar{N}}(N-664) = (N-663) + 2387 + (N-664) = 2N+1060$$

$$(N \ge 2387)$$

$$B_{\bar{N}}(2N+1155) = B_{\bar{N}}(2N+1155-B_{\bar{N}}(2N+1154)) + B_{\bar{N}}(2N+1155-B_{\bar{N}}(2N+1153)) + B_{\bar{N}}(2N+1155-B_{\bar{N}}(2N+1152))$$

$$= B_{\bar{N}}(2N+1155-(2N+1060)) + B_{\bar{N}}(2N+1155-(N+1817)) + B_{\bar{N}}(2N+1155-(2N-1233))$$

$$= B_{\bar{N}}(95) + B_{\bar{N}}(N-662) + B_{\bar{N}}(2388) = 95 + (N-662) + 2388 = N+1821$$

$$(N \ge 2388)$$

$$B_{\bar{N}}(2N+1156) = B_{\bar{N}}(2N+1156-B_{\bar{N}}(2N+1155)) + B_{\bar{N}}(2N+1156-B_{\bar{N}}(2N+1154)) + B_{\bar{N}}(2N+1156-B_{\bar{N}}(2N+1153))$$

$$= B_{\bar{N}}(2N+1156-(N+1821)) + B_{\bar{N}}(2N+1156-(2N+1060)) + B_{\bar{N}}(2N+1156-(N+1817))$$

$$= B_{\bar{N}}(N-665) + B_{\bar{N}}(96) + B_{\bar{N}}(N-661) = (N-665) + 96 + (N-661) = 2N-1230$$

$$(N > 666)$$

$$B_{\bar{N}}(2N+1157) = B_{\bar{N}}(2N+1157 - B_{\bar{N}}(2N+1156)) + B_{\bar{N}}(2N+1157 - B_{\bar{N}}(2N+1155)) + B_{\bar{N}}(2N+1157 - B_{\bar{N}}(2N+1154))$$

$$= B_{\bar{N}}(2N+1157 - (2N-1230)) + B_{\bar{N}}(2N+1157 - (N+1821)) + B_{\bar{N}}(2N+1157 - (2N+1060))$$

$$= B_{\bar{N}}(2387) + B_{\bar{N}}(N-664) + B_{\bar{N}}(97) = 2387 + (N-664) + 97 = N + 1820$$

$$(N \ge 2387)$$

$$B_{\bar{N}}(2N+1158) = B_{\bar{N}}(2N+1158-B_{\bar{N}}(2N+1157)) + B_{\bar{N}}(2N+1158-B_{\bar{N}}(2N+1156)) + B_{\bar{N}}(2N+1158-B_{\bar{N}}(2N+1155))$$

$$= B_{\bar{N}}(2N+1158-(N+1820)) + B_{\bar{N}}(2N+1158-(2N-1230)) + B_{\bar{N}}(2N+1158-(N+1821))$$

$$= B_{\bar{N}}(N-662) + B_{\bar{N}}(2388) + B_{\bar{N}}(N-663) = (N-662) + 2388 + (N-663) = 2N+1063$$

$$(N \ge 2388)$$

$$B_{\bar{N}}(2N+1159) = B_{\bar{N}}(2N+1159 - B_{\bar{N}}(2N+1158)) + B_{\bar{N}}(2N+1159 - B_{\bar{N}}(2N+1157)) + B_{\bar{N}}(2N+1159 - B_{\bar{N}}(2N+1156))$$

$$= B_{\bar{N}}(2N+1159 - (2N+1063)) + B_{\bar{N}}(2N+1159 - (N+1820)) + B_{\bar{N}}(2N+1159 - (2N-1230))$$

$$= B_{\bar{N}}(96) + B_{\bar{N}}(N-661) + B_{\bar{N}}(2389) = 96 + (N-661) + 2389 = N + 1824$$

$$(N \ge 2389)$$

$$B_{\bar{N}}(2N+1160) = B_{\bar{N}}(2N+1160 - B_{\bar{N}}(2N+1159)) + B_{\bar{N}}(2N+1160 - B_{\bar{N}}(2N+1158)) + B_{\bar{N}}(2N+1160 - B_{\bar{N}}(2N+1157))$$

$$= B_{\bar{N}}(2N+1160 - (N+1824)) + B_{\bar{N}}(2N+1160 - (2N+1063)) + B_{\bar{N}}(2N+1160 - (N+1820))$$

$$= B_{\bar{N}}(N-664) + B_{\bar{N}}(97) + B_{\bar{N}}(N-660) = (N-664) + 97 + (N-660) = 2N - 1227$$

$$(N \ge 665)$$

$$B_{\bar{N}}(2N+1161) = B_{\bar{N}}(2N+1161 - B_{\bar{N}}(2N+1160)) + B_{\bar{N}}(2N+1161 - B_{\bar{N}}(2N+1159)) + B_{\bar{N}}(2N+1161 - B_{\bar{N}}(2N+1158))$$

$$= B_{\bar{N}}(2N+1161 - (2N-1227)) + B_{\bar{N}}(2N+1161 - (N+1824)) + B_{\bar{N}}(2N+1161 - (2N+1063))$$

$$= B_{\bar{N}}(2388) + B_{\bar{N}}(N-663) + B_{\bar{N}}(98) = 2388 + (N-663) + 98 = N+1823$$

$$(N \ge 2388)$$

$$B_{\bar{N}}(2N+1162) = B_{\bar{N}}(2N+1162-B_{\bar{N}}(2N+1161)) + B_{\bar{N}}(2N+1162-B_{\bar{N}}(2N+1160)) + B_{\bar{N}}(2N+1162-B_{\bar{N}}(2N+1159))$$

$$= B_{\bar{N}}(2N+1162-(N+1823)) + B_{\bar{N}}(2N+1162-(2N-1227)) + B_{\bar{N}}(2N+1162-(N+1824))$$

$$= B_{\bar{N}}(N-661) + B_{\bar{N}}(2389) + B_{\bar{N}}(N-662) = (N-661) + 2389 + (N-662) = 2N+1066$$

$$(N \ge 2389)$$

$$B_{\bar{N}}(2N+1163) = B_{\bar{N}}(2N+1163-B_{\bar{N}}(2N+1162)) + B_{\bar{N}}(2N+1163-B_{\bar{N}}(2N+1161)) + B_{\bar{N}}(2N+1163-B_{\bar{N}}(2N+1160))$$

$$= B_{\bar{N}}(2N+1163-(2N+1066)) + B_{\bar{N}}(2N+1163-(N+1823)) + B_{\bar{N}}(2N+1163-(2N-1227))$$

$$= B_{\bar{N}}(97) + B_{\bar{N}}(N-660) + B_{\bar{N}}(2390) = 97 + (N-660) + 2390 = N + 1827$$

$$(N \ge 2390)$$

$$B_{\bar{N}}(2N+1164) = B_{\bar{N}}(2N+1164-B_{\bar{N}}(2N+1163)) + B_{\bar{N}}(2N+1164-B_{\bar{N}}(2N+1162)) + B_{\bar{N}}(2N+1164-B_{\bar{N}}(2N+1161))$$

$$= B_{\bar{N}}(2N+1164-(N+1827)) + B_{\bar{N}}(2N+1164-(2N+1066)) + B_{\bar{N}}(2N+1164-(N+1823))$$

$$= B_{\bar{N}}(N-663) + B_{\bar{N}}(98) + B_{\bar{N}}(N-659) = (N-663) + 98 + (N-659) = 2N-1224$$

$$(N \ge 664)$$

$$B_{\bar{N}}(2N+1165) = B_{\bar{N}}(2N+1165 - B_{\bar{N}}(2N+1164)) + B_{\bar{N}}(2N+1165 - B_{\bar{N}}(2N+1163)) + B_{\bar{N}}(2N+1165 - B_{\bar{N}}(2N+1165))$$

$$= B_{\bar{N}}(2N+1165 - (2N-1224)) + B_{\bar{N}}(2N+1165 - (N+1827)) + B_{\bar{N}}(2N+1165 - (2N+1066))$$

$$= B_{\bar{N}}(2389) + B_{\bar{N}}(N-662) + B_{\bar{N}}(99) = 2389 + (N-662) + 99 = N+1826$$

$$(N \ge 2389)$$

$$B_{\bar{N}}(2N+1166) = B_{\bar{N}}(2N+1166-B_{\bar{N}}(2N+1165)) + B_{\bar{N}}(2N+1166-B_{\bar{N}}(2N+1164)) + B_{\bar{N}}(2N+1166-B_{\bar{N}}(2N+1163))$$

$$= B_{\bar{N}}(2N+1166-(N+1826)) + B_{\bar{N}}(2N+1166-(2N-1224)) + B_{\bar{N}}(2N+1166-(N+1827))$$

$$= B_{\bar{N}}(N-660) + B_{\bar{N}}(2390) + B_{\bar{N}}(N-661) = (N-660) + 2390 + (N-661) = 2N+1069$$

$$(N > 2390)$$

$$B_{\bar{N}}(2N+1167) = B_{\bar{N}}(2N+1167 - B_{\bar{N}}(2N+1166)) + B_{\bar{N}}(2N+1167 - B_{\bar{N}}(2N+1165)) + B_{\bar{N}}(2N+1167 - B_{\bar{N}}(2N+1164))$$

$$= B_{\bar{N}}(2N+1167 - (2N+1069)) + B_{\bar{N}}(2N+1167 - (N+1826)) + B_{\bar{N}}(2N+1167 - (2N-1224))$$

$$= B_{\bar{N}}(98) + B_{\bar{N}}(N-659) + B_{\bar{N}}(2391) = 98 + (N-659) + 2391 = N+1830$$

$$(N > 2391)$$

$$B_{\bar{N}}(2N+1168) = B_{\bar{N}}(2N+1168-B_{\bar{N}}(2N+1167)) + B_{\bar{N}}(2N+1168-B_{\bar{N}}(2N+1166)) + B_{\bar{N}}(2N+1168-B_{\bar{N}}(2N+1165))$$

$$= B_{\bar{N}}(2N+1168-(N+1830)) + B_{\bar{N}}(2N+1168-(2N+1069)) + B_{\bar{N}}(2N+1168-(N+1826))$$

$$= B_{\bar{N}}(N-662) + B_{\bar{N}}(99) + B_{\bar{N}}(N-658) = (N-662) + 99 + (N-658) = 2N-1221$$

$$(N \ge 663)$$

$$B_{\bar{N}}(2N+1169) = B_{\bar{N}}(2N+1169 - B_{\bar{N}}(2N+1168)) + B_{\bar{N}}(2N+1169 - B_{\bar{N}}(2N+1167)) + B_{\bar{N}}(2N+1169 - B_{\bar{N}}(2N+1169))$$

$$= B_{\bar{N}}(2N+1169 - (2N-1221)) + B_{\bar{N}}(2N+1169 - (N+1830)) + B_{\bar{N}}(2N+1169 - (2N+1069))$$

$$= B_{\bar{N}}(2390) + B_{\bar{N}}(N-661) + B_{\bar{N}}(100) = 2390 + (N-661) + 100 = N + 1829$$

$$(N \ge 2390)$$

$$B_{\bar{N}}(2N+1170) = B_{\bar{N}}(2N+1170 - B_{\bar{N}}(2N+1169)) + B_{\bar{N}}(2N+1170 - B_{\bar{N}}(2N+1168)) + B_{\bar{N}}(2N+1170 - B_{\bar{N}}(2N+1167))$$

$$= B_{\bar{N}}(2N+1170 - (N+1829)) + B_{\bar{N}}(2N+1170 - (2N-1221)) + B_{\bar{N}}(2N+1170 - (N+1830))$$

$$= B_{\bar{N}}(N-659) + B_{\bar{N}}(2391) + B_{\bar{N}}(N-660) = (N-659) + 2391 + (N-660) = 2N+1072$$

$$(N \ge 2391)$$

$$B_{\bar{N}}(2N+1171) = B_{\bar{N}}(2N+1171 - B_{\bar{N}}(2N+1170)) + B_{\bar{N}}(2N+1171 - B_{\bar{N}}(2N+1169)) + B_{\bar{N}}(2N+1171 - B_{\bar{N}}(2N+1168))$$

$$= B_{\bar{N}}(2N+1171 - (2N+1072)) + B_{\bar{N}}(2N+1171 - (N+1829)) + B_{\bar{N}}(2N+1171 - (2N-1221))$$

$$= B_{\bar{N}}(99) + B_{\bar{N}}(N-658) + B_{\bar{N}}(2392) = 99 + (N-658) + 2392 = N+1833$$

$$(N \ge 2392)$$

$$B_{\bar{N}}(2N+1172) = B_{\bar{N}}(2N+1172 - B_{\bar{N}}(2N+1171)) + B_{\bar{N}}(2N+1172 - B_{\bar{N}}(2N+1170)) + B_{\bar{N}}(2N+1172 - B_{\bar{N}}(2N+1169))$$

$$= B_{\bar{N}}(2N+1172 - (N+1833)) + B_{\bar{N}}(2N+1172 - (2N+1072)) + B_{\bar{N}}(2N+1172 - (N+1829))$$

$$= B_{\bar{N}}(N-661) + B_{\bar{N}}(100) + B_{\bar{N}}(N-657) = (N-661) + 100 + (N-657) = 2N-1218$$

$$(N \ge 662)$$

$$B_{\bar{N}}(2N+1173) = B_{\bar{N}}(2N+1173-B_{\bar{N}}(2N+1172)) + B_{\bar{N}}(2N+1173-B_{\bar{N}}(2N+1171)) + B_{\bar{N}}(2N+1173-B_{\bar{N}}(2N+1170))$$

$$= B_{\bar{N}}(2N+1173-(2N-1218)) + B_{\bar{N}}(2N+1173-(N+1833)) + B_{\bar{N}}(2N+1173-(2N+1072))$$

$$= B_{\bar{N}}(2391) + B_{\bar{N}}(N-660) + B_{\bar{N}}(101) = 2391 + (N-660) + 101 = N+1832$$

$$(N \ge 2391)$$

$$B_{\bar{N}}(2N+1174) = B_{\bar{N}}(2N+1174 - B_{\bar{N}}(2N+1173)) + B_{\bar{N}}(2N+1174 - B_{\bar{N}}(2N+1172)) + B_{\bar{N}}(2N+1174 - B_{\bar{N}}(2N+1171))$$

$$= B_{\bar{N}}(2N+1174 - (N+1832)) + B_{\bar{N}}(2N+1174 - (2N-1218)) + B_{\bar{N}}(2N+1174 - (N+1833))$$

$$= B_{\bar{N}}(N-658) + B_{\bar{N}}(2392) + B_{\bar{N}}(N-659) = (N-658) + 2392 + (N-659) = 2N+1075$$

$$(N \ge 2392)$$

$$B_{\bar{N}}(2N+1175) = B_{\bar{N}}(2N+1175 - B_{\bar{N}}(2N+1174)) + B_{\bar{N}}(2N+1175 - B_{\bar{N}}(2N+1173)) + B_{\bar{N}}(2N+1175 - B_{\bar{N}}(2N+1172))$$

$$= B_{\bar{N}}(2N+1175 - (2N+1075)) + B_{\bar{N}}(2N+1175 - (N+1832)) + B_{\bar{N}}(2N+1175 - (2N-1218))$$

$$= B_{\bar{N}}(100) + B_{\bar{N}}(N-657) + B_{\bar{N}}(2393) = 100 + (N-657) + 2393 = N + 1836$$

$$(N \ge 2393)$$

$$B_{\bar{N}}(2N+1176) = B_{\bar{N}}(2N+1176 - B_{\bar{N}}(2N+1175)) + B_{\bar{N}}(2N+1176 - B_{\bar{N}}(2N+1174)) + B_{\bar{N}}(2N+1176 - B_{\bar{N}}(2N+1173))$$

$$= B_{\bar{N}}(2N+1176 - (N+1836)) + B_{\bar{N}}(2N+1176 - (2N+1075)) + B_{\bar{N}}(2N+1176 - (N+1832))$$

$$= B_{\bar{N}}(N-660) + B_{\bar{N}}(101) + B_{\bar{N}}(N-656) = (N-660) + 101 + (N-656) = 2N - 1215$$

$$(N \ge 661)$$

$$B_{\bar{N}}(2N+1177) = B_{\bar{N}}(2N+1177 - B_{\bar{N}}(2N+1176)) + B_{\bar{N}}(2N+1177 - B_{\bar{N}}(2N+1175)) + B_{\bar{N}}(2N+1177 - B_{\bar{N}}(2N+1174))$$

$$= B_{\bar{N}}(2N+1177 - (2N-1215)) + B_{\bar{N}}(2N+1177 - (N+1836)) + B_{\bar{N}}(2N+1177 - (2N+1075))$$

$$= B_{\bar{N}}(2392) + B_{\bar{N}}(N-659) + B_{\bar{N}}(102) = 2392 + (N-659) + 102 = N+1835$$

$$(N \ge 2392)$$

$$B_{\bar{N}}(2N+1178) = B_{\bar{N}}(2N+1178-B_{\bar{N}}(2N+1177)) + B_{\bar{N}}(2N+1178-B_{\bar{N}}(2N+1176)) + B_{\bar{N}}(2N+1178-B_{\bar{N}}(2N+1175))$$

$$= B_{\bar{N}}(2N+1178-(N+1835)) + B_{\bar{N}}(2N+1178-(2N-1215)) + B_{\bar{N}}(2N+1178-(N+1836))$$

$$= B_{\bar{N}}(N-657) + B_{\bar{N}}(2393) + B_{\bar{N}}(N-658) = (N-657) + 2393 + (N-658) = 2N+1078$$

$$(N \ge 2393)$$

$$B_{\bar{N}}(2N+1179) = B_{\bar{N}}(2N+1179 - B_{\bar{N}}(2N+1178)) + B_{\bar{N}}(2N+1179 - B_{\bar{N}}(2N+1177)) + B_{\bar{N}}(2N+1179 - B_{\bar{N}}(2N+1176))$$

$$= B_{\bar{N}}(2N+1179 - (2N+1078)) + B_{\bar{N}}(2N+1179 - (N+1835)) + B_{\bar{N}}(2N+1179 - (2N-1215))$$

$$= B_{\bar{N}}(101) + B_{\bar{N}}(N-656) + B_{\bar{N}}(2394) = 101 + (N-656) + 2394 = N + 1839$$

$$(N \ge 2394)$$

$$B_{\bar{N}}(2N+1180) = B_{\bar{N}}(2N+1180 - B_{\bar{N}}(2N+1179)) + B_{\bar{N}}(2N+1180 - B_{\bar{N}}(2N+1178)) + B_{\bar{N}}(2N+1180 - B_{\bar{N}}(2N+1177))$$

$$= B_{\bar{N}}(2N+1180 - (N+1839)) + B_{\bar{N}}(2N+1180 - (2N+1078)) + B_{\bar{N}}(2N+1180 - (N+1835))$$

$$= B_{\bar{N}}(N-659) + B_{\bar{N}}(102) + B_{\bar{N}}(N-655) = (N-659) + 102 + (N-655) = 2N-1212$$

$$(N \ge 660)$$

$$B_{\bar{N}}(2N+1181) = B_{\bar{N}}(2N+1181-B_{\bar{N}}(2N+1180)) + B_{\bar{N}}(2N+1181-B_{\bar{N}}(2N+1179)) + B_{\bar{N}}(2N+1181-B_{\bar{N}}(2N+1178))$$

$$= B_{\bar{N}}(2N+1181-(2N-1212)) + B_{\bar{N}}(2N+1181-(N+1839)) + B_{\bar{N}}(2N+1181-(2N+1078))$$

$$= B_{\bar{N}}(2393) + B_{\bar{N}}(N-658) + B_{\bar{N}}(103) = 2393 + (N-658) + 103 = N+1838$$

$$(N > 2393)$$

$$B_{\bar{N}}(2N+1182) = B_{\bar{N}}(2N+1182-B_{\bar{N}}(2N+1181)) + B_{\bar{N}}(2N+1182-B_{\bar{N}}(2N+1180)) + B_{\bar{N}}(2N+1182-B_{\bar{N}}(2N+1179))$$

$$= B_{\bar{N}}(2N+1182-(N+1838)) + B_{\bar{N}}(2N+1182-(2N-1212)) + B_{\bar{N}}(2N+1182-(N+1839))$$

$$= B_{\bar{N}}(N-656) + B_{\bar{N}}(2394) + B_{\bar{N}}(N-657) = (N-656) + 2394 + (N-657) = 2N+1081$$

$$(N \ge 2394)$$

$$B_{\bar{N}}(2N+1183) = B_{\bar{N}}(2N+1183-B_{\bar{N}}(2N+1182)) + B_{\bar{N}}(2N+1183-B_{\bar{N}}(2N+1181)) + B_{\bar{N}}(2N+1183-B_{\bar{N}}(2N+1180))$$

$$= B_{\bar{N}}(2N+1183-(2N+1081)) + B_{\bar{N}}(2N+1183-(N+1838)) + B_{\bar{N}}(2N+1183-(2N-1212))$$

$$= B_{\bar{N}}(102) + B_{\bar{N}}(N-655) + B_{\bar{N}}(2395) = 102 + (N-655) + 2395 = N+1842$$

$$(N \ge 2395)$$

$$B_{\bar{N}}(2N+1184) = B_{\bar{N}}(2N+1184-B_{\bar{N}}(2N+1183)) + B_{\bar{N}}(2N+1184-B_{\bar{N}}(2N+1182)) + B_{\bar{N}}(2N+1184-B_{\bar{N}}(2N+1181))$$

$$= B_{\bar{N}}(2N+1184-(N+1842)) + B_{\bar{N}}(2N+1184-(2N+1081)) + B_{\bar{N}}(2N+1184-(N+1838))$$

$$= B_{\bar{N}}(N-658) + B_{\bar{N}}(103) + B_{\bar{N}}(N-654) = (N-658) + 103 + (N-654) = 2N-1209$$

$$(N \ge 659)$$

$$B_{\bar{N}}(2N+1185) = B_{\bar{N}}(2N+1185 - B_{\bar{N}}(2N+1184)) + B_{\bar{N}}(2N+1185 - B_{\bar{N}}(2N+1183)) + B_{\bar{N}}(2N+1185 - B_{\bar{N}}(2N+1182))$$

$$= B_{\bar{N}}(2N+1185 - (2N-1209)) + B_{\bar{N}}(2N+1185 - (N+1842)) + B_{\bar{N}}(2N+1185 - (2N+1081))$$

$$= B_{\bar{N}}(2394) + B_{\bar{N}}(N-657) + B_{\bar{N}}(104) = 2394 + (N-657) + 104 = N+1841$$

$$(N \ge 2394)$$

$$B_{\bar{N}}(2N+1186) = B_{\bar{N}}(2N+1186-B_{\bar{N}}(2N+1185)) + B_{\bar{N}}(2N+1186-B_{\bar{N}}(2N+1184)) + B_{\bar{N}}(2N+1186-B_{\bar{N}}(2N+1183))$$

$$= B_{\bar{N}}(2N+1186-(N+1841)) + B_{\bar{N}}(2N+1186-(2N-1209)) + B_{\bar{N}}(2N+1186-(N+1842))$$

$$= B_{\bar{N}}(N-655) + B_{\bar{N}}(2395) + B_{\bar{N}}(N-656) = (N-655) + 2395 + (N-656) = 2N+1084$$

$$(N > 2395)$$

$$B_{\bar{N}}(2N+1187) = B_{\bar{N}}(2N+1187-B_{\bar{N}}(2N+1186)) + B_{\bar{N}}(2N+1187-B_{\bar{N}}(2N+1185)) + B_{\bar{N}}(2N+1187-B_{\bar{N}}(2N+1184))$$

$$= B_{\bar{N}}(2N+1187-(2N+1084)) + B_{\bar{N}}(2N+1187-(N+1841)) + B_{\bar{N}}(2N+1187-(2N-1209))$$

$$= B_{\bar{N}}(103) + B_{\bar{N}}(N-654) + B_{\bar{N}}(2396) = 103 + (N-654) + 2396 = N+1845$$

$$(N \ge 2396)$$

$$B_{\bar{N}}(2N+1188) = B_{\bar{N}}(2N+1188-B_{\bar{N}}(2N+1187)) + B_{\bar{N}}(2N+1188-B_{\bar{N}}(2N+1186)) + B_{\bar{N}}(2N+1188-B_{\bar{N}}(2N+1185))$$

$$= B_{\bar{N}}(2N+1188-(N+1845)) + B_{\bar{N}}(2N+1188-(2N+1084)) + B_{\bar{N}}(2N+1188-(N+1841))$$

$$= B_{\bar{N}}(N-657) + B_{\bar{N}}(104) + B_{\bar{N}}(N-653) = (N-657) + 104 + (N-653) = 2N-1206$$

$$(N \ge 658)$$

$$B_{\bar{N}}(2N+1189) = B_{\bar{N}}(2N+1189 - B_{\bar{N}}(2N+1188)) + B_{\bar{N}}(2N+1189 - B_{\bar{N}}(2N+1187)) + B_{\bar{N}}(2N+1189 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1190) = B_{\bar{N}}(2N+1190 - B_{\bar{N}}(2N+1189)) + B_{\bar{N}}(2N+1190 - B_{\bar{N}}(2N+1188)) + B_{\bar{N}}(2N+1190 - B_{\bar{N}}(2N+1187))$$

$$= B_{\bar{N}}(2N+1190 - (N+1844)) + B_{\bar{N}}(2N+1190 - (2N-1206)) + B_{\bar{N}}(2N+1190 - (N+1845))$$

$$= B_{\bar{N}}(N-654) + B_{\bar{N}}(2396) + B_{\bar{N}}(N-655) = (N-654) + 2396 + (N-655) = 2N+1087$$

$$(N \ge 2396)$$

$$B_{\bar{N}}(2N+1191) = B_{\bar{N}}(2N+1191 - B_{\bar{N}}(2N+1190)) + B_{\bar{N}}(2N+1191 - B_{\bar{N}}(2N+1189)) + B_{\bar{N}}(2N+1191 - B_{\bar{N}}(2N+1188))$$

$$= B_{\bar{N}}(2N+1191 - (2N+1087)) + B_{\bar{N}}(2N+1191 - (N+1844)) + B_{\bar{N}}(2N+1191 - (2N-1206))$$

$$= B_{\bar{N}}(104) + B_{\bar{N}}(N-653) + B_{\bar{N}}(2397) = 104 + (N-653) + 2397 = N + 1848$$

$$(N \ge 2397)$$

$$B_{\bar{N}}(2N+1192) = B_{\bar{N}}(2N+1192-B_{\bar{N}}(2N+1191)) + B_{\bar{N}}(2N+1192-B_{\bar{N}}(2N+1190)) + B_{\bar{N}}(2N+1192-B_{\bar{N}}(2N+1189))$$

$$= B_{\bar{N}}(2N+1192-(N+1848)) + B_{\bar{N}}(2N+1192-(2N+1087)) + B_{\bar{N}}(2N+1192-(N+1844))$$

$$= B_{\bar{N}}(N-656) + B_{\bar{N}}(105) + B_{\bar{N}}(N-652) = (N-656) + 105 + (N-652) = 2N-1203$$

$$(N \ge 657)$$

$$B_{\bar{N}}(2N+1193) = B_{\bar{N}}(2N+1193-B_{\bar{N}}(2N+1192)) + B_{\bar{N}}(2N+1193-B_{\bar{N}}(2N+1191)) + B_{\bar{N}}(2N+1193-B_{\bar{N}}(2N+1190))$$

$$= B_{\bar{N}}(2N+1193-(2N-1203)) + B_{\bar{N}}(2N+1193-(N+1848)) + B_{\bar{N}}(2N+1193-(2N+1087))$$

$$= B_{\bar{N}}(2396) + B_{\bar{N}}(N-655) + B_{\bar{N}}(106) = 2396 + (N-655) + 106 = N+1847$$

$$(N \ge 2396)$$

$$B_{\bar{N}}(2N+1194) = B_{\bar{N}}(2N+1194 - B_{\bar{N}}(2N+1193)) + B_{\bar{N}}(2N+1194 - B_{\bar{N}}(2N+1192)) + B_{\bar{N}}(2N+1194 - B_{\bar{N}}(2N+1191))$$

$$= B_{\bar{N}}(2N+1194 - (N+1847)) + B_{\bar{N}}(2N+1194 - (2N-1203)) + B_{\bar{N}}(2N+1194 - (N+1848))$$

$$= B_{\bar{N}}(N-653) + B_{\bar{N}}(2397) + B_{\bar{N}}(N-654) = (N-653) + 2397 + (N-654) = 2N+1090$$

$$(N \ge 2397)$$

$$B_{\bar{N}}(2N+1195) = B_{\bar{N}}(2N+1195-B_{\bar{N}}(2N+1194)) + B_{\bar{N}}(2N+1195-B_{\bar{N}}(2N+1193)) + B_{\bar{N}}(2N+1195-B_{\bar{N}}(2N+1192))$$

$$= B_{\bar{N}}(2N+1195-(2N+1090)) + B_{\bar{N}}(2N+1195-(N+1847)) + B_{\bar{N}}(2N+1195-(2N-1203))$$

$$= B_{\bar{N}}(105) + B_{\bar{N}}(N-652) + B_{\bar{N}}(2398) = 105 + (N-652) + 2398 = N+1851$$

$$(N \ge 2398)$$

$$B_{\bar{N}}(2N+1196) = B_{\bar{N}}(2N+1196-B_{\bar{N}}(2N+1195)) + B_{\bar{N}}(2N+1196-B_{\bar{N}}(2N+1194)) + B_{\bar{N}}(2N+1196-B_{\bar{N}}(2N+1193))$$

$$= B_{\bar{N}}(2N+1196-(N+1851)) + B_{\bar{N}}(2N+1196-(2N+1090)) + B_{\bar{N}}(2N+1196-(N+1847))$$

$$= B_{\bar{N}}(N-655) + B_{\bar{N}}(106) + B_{\bar{N}}(N-651) = (N-655) + 106 + (N-651) = 2N-1200$$

$$(N \ge 656)$$

$$B_{\bar{N}}(2N+1197) = B_{\bar{N}}(2N+1197 - B_{\bar{N}}(2N+1196)) + B_{\bar{N}}(2N+1197 - B_{\bar{N}}(2N+1195)) + B_{\bar{N}}(2N+1197 - B_{\bar{N}}(2N+1194))$$

$$= B_{\bar{N}}(2N+1197 - (2N-1200)) + B_{\bar{N}}(2N+1197 - (N+1851)) + B_{\bar{N}}(2N+1197 - (2N+1090))$$

$$= B_{\bar{N}}(2397) + B_{\bar{N}}(N-654) + B_{\bar{N}}(107) = 2397 + (N-654) + 107 = N + 1850$$

$$(N > 2397)$$

$$B_{\bar{N}}(2N+1198) = B_{\bar{N}}(2N+1198-B_{\bar{N}}(2N+1197)) + B_{\bar{N}}(2N+1198-B_{\bar{N}}(2N+1196)) + B_{\bar{N}}(2N+1198-B_{\bar{N}}(2N+1195))$$

$$= B_{\bar{N}}(2N+1198-(N+1850)) + B_{\bar{N}}(2N+1198-(2N-1200)) + B_{\bar{N}}(2N+1198-(N+1851))$$

$$= B_{\bar{N}}(N-652) + B_{\bar{N}}(2398) + B_{\bar{N}}(N-653) = (N-652) + 2398 + (N-653) = 2N+1093$$

$$(N \ge 2398)$$

$$B_{\bar{N}}(2N+1199) = B_{\bar{N}}(2N+1199 - B_{\bar{N}}(2N+1198)) + B_{\bar{N}}(2N+1199 - B_{\bar{N}}(2N+1197)) + B_{\bar{N}}(2N+1199 - B_{\bar{N}}(2N+1196))$$

$$= B_{\bar{N}}(2N+1199 - (2N+1093)) + B_{\bar{N}}(2N+1199 - (N+1850)) + B_{\bar{N}}(2N+1199 - (2N-1200))$$

$$= B_{\bar{N}}(106) + B_{\bar{N}}(N-651) + B_{\bar{N}}(2399) = 106 + (N-651) + 2399 = N + 1854$$

$$(N \ge 2399)$$

$$B_{\bar{N}}(2N+1200) = B_{\bar{N}}(2N+1200-B_{\bar{N}}(2N+1199)) + B_{\bar{N}}(2N+1200-B_{\bar{N}}(2N+1198)) + B_{\bar{N}}(2N+1200-B_{\bar{N}}(2N+1197))$$

$$= B_{\bar{N}}(2N+1200-(N+1854)) + B_{\bar{N}}(2N+1200-(2N+1093)) + B_{\bar{N}}(2N+1200-(N+1850))$$

$$= B_{\bar{N}}(N-654) + B_{\bar{N}}(107) + B_{\bar{N}}(N-650) = (N-654) + 107 + (N-650) = 2N-1197$$

$$(N \ge 655)$$

$$B_{\bar{N}}(2N+1201) = B_{\bar{N}}(2N+1201-B_{\bar{N}}(2N+1200)) + B_{\bar{N}}(2N+1201-B_{\bar{N}}(2N+1199)) + B_{\bar{N}}(2N+1201-B_{\bar{N}}(2N+1198))$$

$$= B_{\bar{N}}(2N+1201-(2N-1197)) + B_{\bar{N}}(2N+1201-(N+1854)) + B_{\bar{N}}(2N+1201-(2N+1093))$$

$$= B_{\bar{N}}(2398) + B_{\bar{N}}(N-653) + B_{\bar{N}}(108) = 2398 + (N-653) + 108 = N+1853$$

$$(N > 2398)$$

$$B_{\bar{N}}(2N+1202) = B_{\bar{N}}(2N+1202-B_{\bar{N}}(2N+1201)) + B_{\bar{N}}(2N+1202-B_{\bar{N}}(2N+1200)) + B_{\bar{N}}(2N+1202-B_{\bar{N}}(2N+1199))$$

$$= B_{\bar{N}}(2N+1202-(N+1853)) + B_{\bar{N}}(2N+1202-(2N-1197)) + B_{\bar{N}}(2N+1202-(N+1854))$$

$$= B_{\bar{N}}(N-651) + B_{\bar{N}}(2399) + B_{\bar{N}}(N-652) = (N-651) + 2399 + (N-652) = 2N+1096$$

$$(N \ge 2399)$$

$$B_{\bar{N}}(2N+1203) = B_{\bar{N}}(2N+1203-B_{\bar{N}}(2N+1202)) + B_{\bar{N}}(2N+1203-B_{\bar{N}}(2N+1201)) + B_{\bar{N}}(2N+1203-B_{\bar{N}}(2N+1200))$$

$$= B_{\bar{N}}(2N+1203-(2N+1096)) + B_{\bar{N}}(2N+1203-(N+1853)) + B_{\bar{N}}(2N+1203-(2N-1197))$$

$$= B_{\bar{N}}(107) + B_{\bar{N}}(N-650) + B_{\bar{N}}(2400) = 107 + (N-650) + 2400 = N + 1857$$

$$(N \ge 2400)$$

$$B_{\bar{N}}(2N+1204) = B_{\bar{N}}(2N+1204-B_{\bar{N}}(2N+1203)) + B_{\bar{N}}(2N+1204-B_{\bar{N}}(2N+1202)) + B_{\bar{N}}(2N+1204-B_{\bar{N}}(2N+1201))$$

$$= B_{\bar{N}}(2N+1204-(N+1857)) + B_{\bar{N}}(2N+1204-(2N+1096)) + B_{\bar{N}}(2N+1204-(N+1853))$$

$$= B_{\bar{N}}(N-653) + B_{\bar{N}}(108) + B_{\bar{N}}(N-649) = (N-653) + 108 + (N-649) = 2N-1194$$

$$(N \ge 654)$$

$$B_{\bar{N}}(2N+1205) = B_{\bar{N}}(2N+1205-B_{\bar{N}}(2N+1204)) + B_{\bar{N}}(2N+1205-B_{\bar{N}}(2N+1203)) + B_{\bar{N}}(2N+1205-B_{\bar{N}}(2N+1202))$$

$$= B_{\bar{N}}(2N+1205-(2N-1194)) + B_{\bar{N}}(2N+1205-(N+1857)) + B_{\bar{N}}(2N+1205-(2N+1096))$$

$$= B_{\bar{N}}(2399) + B_{\bar{N}}(N-652) + B_{\bar{N}}(109) = 2399 + (N-652) + 109 = N+1856$$

$$(N \ge 2399)$$

$$B_{\bar{N}}(2N+1206) = B_{\bar{N}}(2N+1206-B_{\bar{N}}(2N+1205)) + B_{\bar{N}}(2N+1206-B_{\bar{N}}(2N+1204)) + B_{\bar{N}}(2N+1206-B_{\bar{N}}(2N+1203))$$

$$= B_{\bar{N}}(2N+1206-(N+1856)) + B_{\bar{N}}(2N+1206-(2N-1194)) + B_{\bar{N}}(2N+1206-(N+1857))$$

$$= B_{\bar{N}}(N-650) + B_{\bar{N}}(2400) + B_{\bar{N}}(N-651) = (N-650) + 2400 + (N-651) = 2N+1099$$

$$(N \ge 2400)$$

$$B_{\bar{N}}(2N+1207) = B_{\bar{N}}(2N+1207-B_{\bar{N}}(2N+1206)) + B_{\bar{N}}(2N+1207-B_{\bar{N}}(2N+1205)) + B_{\bar{N}}(2N+1207-B_{\bar{N}}(2N+1204))$$

$$= B_{\bar{N}}(2N+1207-(2N+1099)) + B_{\bar{N}}(2N+1207-(N+1856)) + B_{\bar{N}}(2N+1207-(2N-1194))$$

$$= B_{\bar{N}}(108) + B_{\bar{N}}(N-649) + B_{\bar{N}}(2401) = 108 + (N-649) + 2401 = N+1860$$

$$(N \ge 2401)$$

$$B_{\bar{N}}(2N+1208) = B_{\bar{N}}(2N+1208-B_{\bar{N}}(2N+1207)) + B_{\bar{N}}(2N+1208-B_{\bar{N}}(2N+1206)) + B_{\bar{N}}(2N+1208-B_{\bar{N}}(2N+1205))$$

$$= B_{\bar{N}}(2N+1208-(N+1860)) + B_{\bar{N}}(2N+1208-(2N+1099)) + B_{\bar{N}}(2N+1208-(N+1856))$$

$$= B_{\bar{N}}(N-652) + B_{\bar{N}}(109) + B_{\bar{N}}(N-648) = (N-652) + 109 + (N-648) = 2N-1191$$

$$(N \ge 653)$$

$$B_{\bar{N}}(2N+1209) = B_{\bar{N}}(2N+1209 - B_{\bar{N}}(2N+1208)) + B_{\bar{N}}(2N+1209 - B_{\bar{N}}(2N+1207)) + B_{\bar{N}}(2N+1209 - B_{\bar{N}}(2N+1206))$$

$$= B_{\bar{N}}(2N+1209 - (2N-1191)) + B_{\bar{N}}(2N+1209 - (N+1860)) + B_{\bar{N}}(2N+1209 - (2N+1099))$$

$$= B_{\bar{N}}(2400) + B_{\bar{N}}(N-651) + B_{\bar{N}}(110) = 2400 + (N-651) + 110 = N + 1859$$

$$(N \ge 2400)$$

$$B_{\bar{N}}(2N+1210) = B_{\bar{N}}(2N+1210-B_{\bar{N}}(2N+1209)) + B_{\bar{N}}(2N+1210-B_{\bar{N}}(2N+1208)) + B_{\bar{N}}(2N+1210-B_{\bar{N}}(2N+1207))$$

$$= B_{\bar{N}}(2N+1210-(N+1859)) + B_{\bar{N}}(2N+1210-(2N-1191)) + B_{\bar{N}}(2N+1210-(N+1860))$$

$$= B_{\bar{N}}(N-649) + B_{\bar{N}}(2401) + B_{\bar{N}}(N-650) = (N-649) + 2401 + (N-650) = 2N+1102$$

$$(N \ge 2401)$$

$$\begin{split} B_{\bar{N}}(2N+1211) &= B_{\bar{N}}(2N+1211-B_{\bar{N}}(2N+1210)) + B_{\bar{N}}(2N+1211-B_{\bar{N}}(2N+1209)) + B_{\bar{N}}(2N+1211-B_{\bar{N}}(2N+1208)) \\ &= B_{\bar{N}}(2N+1211-(2N+1102)) + B_{\bar{N}}(2N+1211-(N+1859)) + B_{\bar{N}}(2N+1211-(2N-1191)) \\ &= B_{\bar{N}}(109) + B_{\bar{N}}(N-648) + B_{\bar{N}}(2402) = 109 + (N-648) + 2402 = N + 1863 \\ &(N > 2402) \end{split}$$

$$B_{\bar{N}}(2N+1212) = B_{\bar{N}}(2N+1212-B_{\bar{N}}(2N+1211)) + B_{\bar{N}}(2N+1212-B_{\bar{N}}(2N+1210)) + B_{\bar{N}}(2N+1212-B_{\bar{N}}(2N+1209))$$

$$= B_{\bar{N}}(2N+1212-(N+1863)) + B_{\bar{N}}(2N+1212-(2N+1102)) + B_{\bar{N}}(2N+1212-(N+1859))$$

$$= B_{\bar{N}}(N-651) + B_{\bar{N}}(110) + B_{\bar{N}}(N-647) = (N-651) + 110 + (N-647) = 2N-1188$$

$$(N \ge 652)$$

$$B_{\bar{N}}(2N+1213) = B_{\bar{N}}(2N+1213-B_{\bar{N}}(2N+1212)) + B_{\bar{N}}(2N+1213-B_{\bar{N}}(2N+1211)) + B_{\bar{N}}(2N+1213-B_{\bar{N}}(2N+1210))$$

$$= B_{\bar{N}}(2N+1213-(2N-1188)) + B_{\bar{N}}(2N+1213-(N+1863)) + B_{\bar{N}}(2N+1213-(2N+1102))$$

$$= B_{\bar{N}}(2401) + B_{\bar{N}}(N-650) + B_{\bar{N}}(111) = 2401 + (N-650) + 111 = N + 1862$$

$$(N \ge 2401)$$

$$B_{\bar{N}}(2N+1214) = B_{\bar{N}}(2N+1214-B_{\bar{N}}(2N+1213)) + B_{\bar{N}}(2N+1214-B_{\bar{N}}(2N+1212)) + B_{\bar{N}}(2N+1214-B_{\bar{N}}(2N+1211))$$

$$= B_{\bar{N}}(2N+1214-(N+1862)) + B_{\bar{N}}(2N+1214-(2N-1188)) + B_{\bar{N}}(2N+1214-(N+1863))$$

$$= B_{\bar{N}}(N-648) + B_{\bar{N}}(2402) + B_{\bar{N}}(N-649) = (N-648) + 2402 + (N-649) = 2N+1105$$

$$(N \ge 2402)$$

$$B_{\bar{N}}(2N+1215) = B_{\bar{N}}(2N+1215-B_{\bar{N}}(2N+1214)) + B_{\bar{N}}(2N+1215-B_{\bar{N}}(2N+1213)) + B_{\bar{N}}(2N+1215-B_{\bar{N}}(2N+1212))$$

$$= B_{\bar{N}}(2N+1215-(2N+1105)) + B_{\bar{N}}(2N+1215-(N+1862)) + B_{\bar{N}}(2N+1215-(2N-1188))$$

$$= B_{\bar{N}}(110) + B_{\bar{N}}(N-647) + B_{\bar{N}}(2403) = 110 + (N-647) + 2403 = N + 1866$$

$$(N \ge 2403)$$

$$B_{\bar{N}}(2N+1216) = B_{\bar{N}}(2N+1216-B_{\bar{N}}(2N+1215)) + B_{\bar{N}}(2N+1216-B_{\bar{N}}(2N+1214)) + B_{\bar{N}}(2N+1216-B_{\bar{N}}(2N+1213))$$

$$= B_{\bar{N}}(2N+1216-(N+1866)) + B_{\bar{N}}(2N+1216-(2N+1105)) + B_{\bar{N}}(2N+1216-(N+1862))$$

$$= B_{\bar{N}}(N-650) + B_{\bar{N}}(111) + B_{\bar{N}}(N-646) = (N-650) + 111 + (N-646) = 2N-1185$$

$$(N > 651)$$

$$B_{\bar{N}}(2N+1217) = B_{\bar{N}}(2N+1217-B_{\bar{N}}(2N+1216)) + B_{\bar{N}}(2N+1217-B_{\bar{N}}(2N+1215)) + B_{\bar{N}}(2N+1217-B_{\bar{N}}(2N+1214))$$

$$= B_{\bar{N}}(2N+1217-(2N-1185)) + B_{\bar{N}}(2N+1217-(N+1866)) + B_{\bar{N}}(2N+1217-(2N+1105))$$

$$= B_{\bar{N}}(2402) + B_{\bar{N}}(N-649) + B_{\bar{N}}(112) = 2402 + (N-649) + 112 = N + 1865$$

$$(N \ge 2402)$$

$$B_{\bar{N}}(2N+1218) = B_{\bar{N}}(2N+1218-B_{\bar{N}}(2N+1217)) + B_{\bar{N}}(2N+1218-B_{\bar{N}}(2N+1216)) + B_{\bar{N}}(2N+1218-B_{\bar{N}}(2N+1215))$$

$$= B_{\bar{N}}(2N+1218-(N+1865)) + B_{\bar{N}}(2N+1218-(2N-1185)) + B_{\bar{N}}(2N+1218-(N+1866))$$

$$= B_{\bar{N}}(N-647) + B_{\bar{N}}(2403) + B_{\bar{N}}(N-648) = (N-647) + 2403 + (N-648) = 2N+1108$$

$$(N \ge 2403)$$

$$B_{\bar{N}}(2N+1219) = B_{\bar{N}}(2N+1219 - B_{\bar{N}}(2N+1218)) + B_{\bar{N}}(2N+1219 - B_{\bar{N}}(2N+1217)) + B_{\bar{N}}(2N+1219 - B_{\bar{N}}(2N+1216))$$

$$= B_{\bar{N}}(2N+1219 - (2N+1108)) + B_{\bar{N}}(2N+1219 - (N+1865)) + B_{\bar{N}}(2N+1219 - (2N-1185))$$

$$= B_{\bar{N}}(111) + B_{\bar{N}}(N-646) + B_{\bar{N}}(2404) = 111 + (N-646) + 2404 = N + 1869$$

$$(N \ge 2404)$$

$$B_{\bar{N}}(2N+1220) = B_{\bar{N}}(2N+1220-B_{\bar{N}}(2N+1219)) + B_{\bar{N}}(2N+1220-B_{\bar{N}}(2N+1218)) + B_{\bar{N}}(2N+1220-B_{\bar{N}}(2N+1217))$$

$$= B_{\bar{N}}(2N+1220-(N+1869)) + B_{\bar{N}}(2N+1220-(2N+1108)) + B_{\bar{N}}(2N+1220-(N+1865))$$

$$= B_{\bar{N}}(N-649) + B_{\bar{N}}(112) + B_{\bar{N}}(N-645) = (N-649) + 112 + (N-645) = 2N-1182$$

$$(N \ge 650)$$

$$B_{\bar{N}}(2N+1221) = B_{\bar{N}}(2N+1221-B_{\bar{N}}(2N+1220)) + B_{\bar{N}}(2N+1221-B_{\bar{N}}(2N+1219)) + B_{\bar{N}}(2N+1221-B_{\bar{N}}(2N+1218))$$

$$= B_{\bar{N}}(2N+1221-(2N-1182)) + B_{\bar{N}}(2N+1221-(N+1869)) + B_{\bar{N}}(2N+1221-(2N+1108))$$

$$= B_{\bar{N}}(2403) + B_{\bar{N}}(N-648) + B_{\bar{N}}(113) = 2403 + (N-648) + 113 = N + 1868$$

$$(N > 2403)$$

$$B_{\bar{N}}(2N+1222) = B_{\bar{N}}(2N+1222-B_{\bar{N}}(2N+1221)) + B_{\bar{N}}(2N+1222-B_{\bar{N}}(2N+1220)) + B_{\bar{N}}(2N+1222-B_{\bar{N}}(2N+1219))$$

$$= B_{\bar{N}}(2N+1222-(N+1868)) + B_{\bar{N}}(2N+1222-(2N-1182)) + B_{\bar{N}}(2N+1222-(N+1869))$$

$$= B_{\bar{N}}(N-646) + B_{\bar{N}}(2404) + B_{\bar{N}}(N-647) = (N-646) + 2404 + (N-647) = 2N+1111$$

$$(N \ge 2404)$$

$$B_{\bar{N}}(2N+1223) = B_{\bar{N}}(2N+1223-B_{\bar{N}}(2N+1222)) + B_{\bar{N}}(2N+1223-B_{\bar{N}}(2N+1221)) + B_{\bar{N}}(2N+1223-B_{\bar{N}}(2N+1220))$$

$$= B_{\bar{N}}(2N+1223-(2N+1111)) + B_{\bar{N}}(2N+1223-(N+1868)) + B_{\bar{N}}(2N+1223-(2N-1182))$$

$$= B_{\bar{N}}(112) + B_{\bar{N}}(N-645) + B_{\bar{N}}(2405) = 112 + (N-645) + 2405 = N+1872$$

$$(N \ge 2405)$$

$$B_{\bar{N}}(2N+1224) = B_{\bar{N}}(2N+1224-B_{\bar{N}}(2N+1223)) + B_{\bar{N}}(2N+1224-B_{\bar{N}}(2N+1222)) + B_{\bar{N}}(2N+1224-B_{\bar{N}}(2N+1221))$$

$$= B_{\bar{N}}(2N+1224-(N+1872)) + B_{\bar{N}}(2N+1224-(2N+1111)) + B_{\bar{N}}(2N+1224-(N+1868))$$

$$= B_{\bar{N}}(N-648) + B_{\bar{N}}(113) + B_{\bar{N}}(N-644) = (N-648) + 113 + (N-644) = 2N-1179$$

$$(N \ge 649)$$

$$B_{\bar{N}}(2N+1225) = B_{\bar{N}}(2N+1225-B_{\bar{N}}(2N+1224)) + B_{\bar{N}}(2N+1225-B_{\bar{N}}(2N+1223)) + B_{\bar{N}}(2N+1225-B_{\bar{N}}(2N+1222))$$

$$= B_{\bar{N}}(2N+1225-(2N-1179)) + B_{\bar{N}}(2N+1225-(N+1872)) + B_{\bar{N}}(2N+1225-(2N+1111))$$

$$= B_{\bar{N}}(2404) + B_{\bar{N}}(N-647) + B_{\bar{N}}(114) = 2404 + (N-647) + 114 = N + 1871$$

$$(N \ge 2404)$$

$$B_{\bar{N}}(2N+1226) = B_{\bar{N}}(2N+1226-B_{\bar{N}}(2N+1225)) + B_{\bar{N}}(2N+1226-B_{\bar{N}}(2N+1224)) + B_{\bar{N}}(2N+1226-B_{\bar{N}}(2N+1223))$$

$$= B_{\bar{N}}(2N+1226-(N+1871)) + B_{\bar{N}}(2N+1226-(2N-1179)) + B_{\bar{N}}(2N+1226-(N+1872))$$

$$= B_{\bar{N}}(N-645) + B_{\bar{N}}(2405) + B_{\bar{N}}(N-646) = (N-645) + 2405 + (N-646) = 2N+1114$$

$$(N \ge 2405)$$

$$B_{\bar{N}}(2N+1227) = B_{\bar{N}}(2N+1227-B_{\bar{N}}(2N+1226)) + B_{\bar{N}}(2N+1227-B_{\bar{N}}(2N+1225)) + B_{\bar{N}}(2N+1227-B_{\bar{N}}(2N+1224))$$

$$= B_{\bar{N}}(2N+1227-(2N+1114)) + B_{\bar{N}}(2N+1227-(N+1871)) + B_{\bar{N}}(2N+1227-(2N-1179))$$

$$= B_{\bar{N}}(113) + B_{\bar{N}}(N-644) + B_{\bar{N}}(2406) = 113 + (N-644) + 2406 = N+1875$$

$$(N \ge 2406)$$

$$B_{\bar{N}}(2N+1228) = B_{\bar{N}}(2N+1228-B_{\bar{N}}(2N+1227)) + B_{\bar{N}}(2N+1228-B_{\bar{N}}(2N+1226)) + B_{\bar{N}}(2N+1228-B_{\bar{N}}(2N+1225))$$

$$= B_{\bar{N}}(2N+1228-(N+1875)) + B_{\bar{N}}(2N+1228-(2N+1114)) + B_{\bar{N}}(2N+1228-(N+1871))$$

$$= B_{\bar{N}}(N-647) + B_{\bar{N}}(114) + B_{\bar{N}}(N-643) = (N-647) + 114 + (N-643) = 2N-1176$$

$$(N \ge 648)$$

$$B_{\bar{N}}(2N+1229) = B_{\bar{N}}(2N+1229 - B_{\bar{N}}(2N+1228)) + B_{\bar{N}}(2N+1229 - B_{\bar{N}}(2N+1227)) + B_{\bar{N}}(2N+1229 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1230) = B_{\bar{N}}(2N+1230-B_{\bar{N}}(2N+1229)) + B_{\bar{N}}(2N+1230-B_{\bar{N}}(2N+1228)) + B_{\bar{N}}(2N+1230-B_{\bar{N}}(2N+1227))$$

$$= B_{\bar{N}}(2N+1230-(N+1874)) + B_{\bar{N}}(2N+1230-(2N-1176)) + B_{\bar{N}}(2N+1230-(N+1875))$$

$$= B_{\bar{N}}(N-644) + B_{\bar{N}}(2406) + B_{\bar{N}}(N-645) = (N-644) + 2406 + (N-645) = 2N+1117$$

$$(N \ge 2406)$$

$$B_{\bar{N}}(2N+1231) = B_{\bar{N}}(2N+1231-B_{\bar{N}}(2N+1230)) + B_{\bar{N}}(2N+1231-B_{\bar{N}}(2N+1229)) + B_{\bar{N}}(2N+1231-B_{\bar{N}}(2N+1228))$$

$$= B_{\bar{N}}(2N+1231-(2N+1117)) + B_{\bar{N}}(2N+1231-(N+1874)) + B_{\bar{N}}(2N+1231-(2N-1176))$$

$$= B_{\bar{N}}(114) + B_{\bar{N}}(N-643) + B_{\bar{N}}(2407) = 114 + (N-643) + 2407 = N + 1878$$

$$(N \ge 2407)$$

$$B_{\bar{N}}(2N+1232) = B_{\bar{N}}(2N+1232-B_{\bar{N}}(2N+1231)) + B_{\bar{N}}(2N+1232-B_{\bar{N}}(2N+1230)) + B_{\bar{N}}(2N+1232-B_{\bar{N}}(2N+1229))$$

$$= B_{\bar{N}}(2N+1232-(N+1878)) + B_{\bar{N}}(2N+1232-(2N+1117)) + B_{\bar{N}}(2N+1232-(N+1874))$$

$$= B_{\bar{N}}(N-646) + B_{\bar{N}}(115) + B_{\bar{N}}(N-642) = (N-646) + 115 + (N-642) = 2N-1173$$

$$(N \ge 647)$$

$$B_{\bar{N}}(2N+1233) = B_{\bar{N}}(2N+1233-B_{\bar{N}}(2N+1232)) + B_{\bar{N}}(2N+1233-B_{\bar{N}}(2N+1231)) + B_{\bar{N}}(2N+1233-B_{\bar{N}}(2N+1230))$$

$$= B_{\bar{N}}(2N+1233-(2N-1173)) + B_{\bar{N}}(2N+1233-(N+1878)) + B_{\bar{N}}(2N+1233-(2N+1117))$$

$$= B_{\bar{N}}(2406) + B_{\bar{N}}(N-645) + B_{\bar{N}}(116) = 2406 + (N-645) + 116 = N+1877$$

$$(N \ge 2406)$$

$$B_{\bar{N}}(2N+1234) = B_{\bar{N}}(2N+1234-B_{\bar{N}}(2N+1233)) + B_{\bar{N}}(2N+1234-B_{\bar{N}}(2N+1232)) + B_{\bar{N}}(2N+1234-B_{\bar{N}}(2N+1231))$$

$$= B_{\bar{N}}(2N+1234-(N+1877)) + B_{\bar{N}}(2N+1234-(2N-1173)) + B_{\bar{N}}(2N+1234-(N+1878))$$

$$= B_{\bar{N}}(N-643) + B_{\bar{N}}(2407) + B_{\bar{N}}(N-644) = (N-643) + 2407 + (N-644) = 2N+1120$$

$$(N \ge 2407)$$

$$B_{\bar{N}}(2N+1235) = B_{\bar{N}}(2N+1235-B_{\bar{N}}(2N+1234)) + B_{\bar{N}}(2N+1235-B_{\bar{N}}(2N+1233)) + B_{\bar{N}}(2N+1235-B_{\bar{N}}(2N+1232))$$

$$= B_{\bar{N}}(2N+1235-(2N+1120)) + B_{\bar{N}}(2N+1235-(N+1877)) + B_{\bar{N}}(2N+1235-(2N-1173))$$

$$= B_{\bar{N}}(115) + B_{\bar{N}}(N-642) + B_{\bar{N}}(2408) = 115 + (N-642) + 2408 = N+1881$$

$$(N \ge 2408)$$

$$B_{\bar{N}}(2N+1236) = B_{\bar{N}}(2N+1236-B_{\bar{N}}(2N+1235)) + B_{\bar{N}}(2N+1236-B_{\bar{N}}(2N+1234)) + B_{\bar{N}}(2N+1236-B_{\bar{N}}(2N+1233))$$

$$= B_{\bar{N}}(2N+1236-(N+1881)) + B_{\bar{N}}(2N+1236-(2N+1120)) + B_{\bar{N}}(2N+1236-(N+1877))$$

$$= B_{\bar{N}}(N-645) + B_{\bar{N}}(116) + B_{\bar{N}}(N-641) = (N-645) + 116 + (N-641) = 2N-1170$$

$$(N \ge 646)$$

$$B_{\bar{N}}(2N+1237) = B_{\bar{N}}(2N+1237-B_{\bar{N}}(2N+1236)) + B_{\bar{N}}(2N+1237-B_{\bar{N}}(2N+1235)) + B_{\bar{N}}(2N+1237-B_{\bar{N}}(2N+1234))$$

$$= B_{\bar{N}}(2N+1237-(2N-1170)) + B_{\bar{N}}(2N+1237-(N+1881)) + B_{\bar{N}}(2N+1237-(2N+1120))$$

$$= B_{\bar{N}}(2407) + B_{\bar{N}}(N-644) + B_{\bar{N}}(117) = 2407 + (N-644) + 117 = N + 1880$$

$$(N \ge 2407)$$

$$B_{\bar{N}}(2N+1238) = B_{\bar{N}}(2N+1238-B_{\bar{N}}(2N+1237)) + B_{\bar{N}}(2N+1238-B_{\bar{N}}(2N+1236)) + B_{\bar{N}}(2N+1238-B_{\bar{N}}(2N+1235))$$

$$= B_{\bar{N}}(2N+1238-(N+1880)) + B_{\bar{N}}(2N+1238-(2N-1170)) + B_{\bar{N}}(2N+1238-(N+1881))$$

$$= B_{\bar{N}}(N-642) + B_{\bar{N}}(2408) + B_{\bar{N}}(N-643) = (N-642) + 2408 + (N-643) = 2N+1123$$

$$(N \ge 2408)$$

$$B_{\bar{N}}(2N+1239) = B_{\bar{N}}(2N+1239 - B_{\bar{N}}(2N+1238)) + B_{\bar{N}}(2N+1239 - B_{\bar{N}}(2N+1237)) + B_{\bar{N}}(2N+1239 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1240) = B_{\bar{N}}(2N+1240-B_{\bar{N}}(2N+1239)) + B_{\bar{N}}(2N+1240-B_{\bar{N}}(2N+1238)) + B_{\bar{N}}(2N+1240-B_{\bar{N}}(2N+1237))$$

$$= B_{\bar{N}}(2N+1240-(N+1884)) + B_{\bar{N}}(2N+1240-(2N+1123)) + B_{\bar{N}}(2N+1240-(N+1880))$$

$$= B_{\bar{N}}(N-644) + B_{\bar{N}}(117) + B_{\bar{N}}(N-640) = (N-644) + 117 + (N-640) = 2N-1167$$

$$(N \ge 645)$$

$$B_{\bar{N}}(2N+1241) = B_{\bar{N}}(2N+1241 - B_{\bar{N}}(2N+1240)) + B_{\bar{N}}(2N+1241 - B_{\bar{N}}(2N+1239)) + B_{\bar{N}}(2N+1241 - B_{\bar{N}}(2N+1238))$$

$$= B_{\bar{N}}(2N+1241 - (2N-1167)) + B_{\bar{N}}(2N+1241 - (N+1884)) + B_{\bar{N}}(2N+1241 - (2N+1123))$$

$$= B_{\bar{N}}(2408) + B_{\bar{N}}(N-643) + B_{\bar{N}}(118) = 2408 + (N-643) + 118 = N + 1883$$

$$(N \ge 2408)$$

$$B_{\bar{N}}(2N+1242) = B_{\bar{N}}(2N+1242-B_{\bar{N}}(2N+1241)) + B_{\bar{N}}(2N+1242-B_{\bar{N}}(2N+1240)) + B_{\bar{N}}(2N+1242-B_{\bar{N}}(2N+1239))$$

$$= B_{\bar{N}}(2N+1242-(N+1883)) + B_{\bar{N}}(2N+1242-(2N-1167)) + B_{\bar{N}}(2N+1242-(N+1884))$$

$$= B_{\bar{N}}(N-641) + B_{\bar{N}}(2409) + B_{\bar{N}}(N-642) = (N-641) + 2409 + (N-642) = 2N+1126$$

$$(N \ge 2409)$$

$$B_{\bar{N}}(2N+1243) = B_{\bar{N}}(2N+1243-B_{\bar{N}}(2N+1242)) + B_{\bar{N}}(2N+1243-B_{\bar{N}}(2N+1241)) + B_{\bar{N}}(2N+1243-B_{\bar{N}}(2N+1240))$$

$$= B_{\bar{N}}(2N+1243-(2N+1126)) + B_{\bar{N}}(2N+1243-(N+1883)) + B_{\bar{N}}(2N+1243-(2N-1167))$$

$$= B_{\bar{N}}(117) + B_{\bar{N}}(N-640) + B_{\bar{N}}(2410) = 117 + (N-640) + 2410 = N + 1887$$

$$(N \ge 2410)$$

$$B_{\bar{N}}(2N+1244) = B_{\bar{N}}(2N+1244-B_{\bar{N}}(2N+1243)) + B_{\bar{N}}(2N+1244-B_{\bar{N}}(2N+1242)) + B_{\bar{N}}(2N+1244-B_{\bar{N}}(2N+1241))$$

$$= B_{\bar{N}}(2N+1244-(N+1887)) + B_{\bar{N}}(2N+1244-(2N+1126)) + B_{\bar{N}}(2N+1244-(N+1883))$$

$$= B_{\bar{N}}(N-643) + B_{\bar{N}}(118) + B_{\bar{N}}(N-639) = (N-643) + 118 + (N-639) = 2N-1164$$

$$(N \ge 644)$$

$$B_{\bar{N}}(2N+1245) = B_{\bar{N}}(2N+1245-B_{\bar{N}}(2N+1244)) + B_{\bar{N}}(2N+1245-B_{\bar{N}}(2N+1243)) + B_{\bar{N}}(2N+1245-B_{\bar{N}}(2N+1242))$$

$$= B_{\bar{N}}(2N+1245-(2N-1164)) + B_{\bar{N}}(2N+1245-(N+1887)) + B_{\bar{N}}(2N+1245-(2N+1126))$$

$$= B_{\bar{N}}(2409) + B_{\bar{N}}(N-642) + B_{\bar{N}}(119) = 2409 + (N-642) + 119 = N + 1886$$

$$(N \ge 2409)$$

$$B_{\bar{N}}(2N+1246) = B_{\bar{N}}(2N+1246-B_{\bar{N}}(2N+1245)) + B_{\bar{N}}(2N+1246-B_{\bar{N}}(2N+1244)) + B_{\bar{N}}(2N+1246-B_{\bar{N}}(2N+1243))$$

$$= B_{\bar{N}}(2N+1246-(N+1886)) + B_{\bar{N}}(2N+1246-(2N-1164)) + B_{\bar{N}}(2N+1246-(N+1887))$$

$$= B_{\bar{N}}(N-640) + B_{\bar{N}}(2410) + B_{\bar{N}}(N-641) = (N-640) + 2410 + (N-641) = 2N+1129$$

$$(N > 2410)$$

$$B_{\bar{N}}(2N+1247) = B_{\bar{N}}(2N+1247-B_{\bar{N}}(2N+1246)) + B_{\bar{N}}(2N+1247-B_{\bar{N}}(2N+1245)) + B_{\bar{N}}(2N+1247-B_{\bar{N}}(2N+1244))$$

$$= B_{\bar{N}}(2N+1247-(2N+1129)) + B_{\bar{N}}(2N+1247-(N+1886)) + B_{\bar{N}}(2N+1247-(2N-1164))$$

$$= B_{\bar{N}}(118) + B_{\bar{N}}(N-639) + B_{\bar{N}}(2411) = 118 + (N-639) + 2411 = N+1890$$

$$(N \ge 2411)$$

$$B_{\bar{N}}(2N+1248) = B_{\bar{N}}(2N+1248-B_{\bar{N}}(2N+1247)) + B_{\bar{N}}(2N+1248-B_{\bar{N}}(2N+1246)) + B_{\bar{N}}(2N+1248-B_{\bar{N}}(2N+1245))$$

$$= B_{\bar{N}}(2N+1248-(N+1890)) + B_{\bar{N}}(2N+1248-(2N+1129)) + B_{\bar{N}}(2N+1248-(N+1886))$$

$$= B_{\bar{N}}(N-642) + B_{\bar{N}}(119) + B_{\bar{N}}(N-638) = (N-642) + 119 + (N-638) = 2N-1161$$

$$(N \ge 643)$$

$$B_{\bar{N}}(2N+1249) = B_{\bar{N}}(2N+1249-B_{\bar{N}}(2N+1248)) + B_{\bar{N}}(2N+1249-B_{\bar{N}}(2N+1247)) + B_{\bar{N}}(2N+1249-B_{\bar{N}}(2N+1246))$$

$$= B_{\bar{N}}(2N+1249-(2N-1161)) + B_{\bar{N}}(2N+1249-(N+1890)) + B_{\bar{N}}(2N+1249-(2N+1129))$$

$$= B_{\bar{N}}(2410) + B_{\bar{N}}(N-641) + B_{\bar{N}}(120) = 2410 + (N-641) + 120 = N + 1889$$

$$(N \ge 2410)$$

$$B_{\bar{N}}(2N+1250) = B_{\bar{N}}(2N+1250-B_{\bar{N}}(2N+1249)) + B_{\bar{N}}(2N+1250-B_{\bar{N}}(2N+1248)) + B_{\bar{N}}(2N+1250-B_{\bar{N}}(2N+1247))$$

$$= B_{\bar{N}}(2N+1250-(N+1889)) + B_{\bar{N}}(2N+1250-(2N-1161)) + B_{\bar{N}}(2N+1250-(N+1890))$$

$$= B_{\bar{N}}(N-639) + B_{\bar{N}}(2411) + B_{\bar{N}}(N-640) = (N-639) + 2411 + (N-640) = 2N+1132$$

$$(N \ge 2411)$$

$$B_{\bar{N}}(2N+1251) = B_{\bar{N}}(2N+1251-B_{\bar{N}}(2N+1250)) + B_{\bar{N}}(2N+1251-B_{\bar{N}}(2N+1249)) + B_{\bar{N}}(2N+1251-B_{\bar{N}}(2N+1248))$$

$$= B_{\bar{N}}(2N+1251-(2N+1132)) + B_{\bar{N}}(2N+1251-(N+1889)) + B_{\bar{N}}(2N+1251-(2N-1161))$$

$$= B_{\bar{N}}(119) + B_{\bar{N}}(N-638) + B_{\bar{N}}(2412) = 119 + (N-638) + 2412 = N + 1893$$

$$(N \ge 2412)$$

$$B_{\bar{N}}(2N+1252) = B_{\bar{N}}(2N+1252-B_{\bar{N}}(2N+1251)) + B_{\bar{N}}(2N+1252-B_{\bar{N}}(2N+1250)) + B_{\bar{N}}(2N+1252-B_{\bar{N}}(2N+1249))$$

$$= B_{\bar{N}}(2N+1252-(N+1893)) + B_{\bar{N}}(2N+1252-(2N+1132)) + B_{\bar{N}}(2N+1252-(N+1889))$$

$$= B_{\bar{N}}(N-641) + B_{\bar{N}}(120) + B_{\bar{N}}(N-637) = (N-641) + 120 + (N-637) = 2N-1158$$

$$(N \ge 642)$$

$$B_{\bar{N}}(2N+1253) = B_{\bar{N}}(2N+1253-B_{\bar{N}}(2N+1252)) + B_{\bar{N}}(2N+1253-B_{\bar{N}}(2N+1251)) + B_{\bar{N}}(2N+1253-B_{\bar{N}}(2N+1250))$$

$$= B_{\bar{N}}(2N+1253-(2N-1158)) + B_{\bar{N}}(2N+1253-(N+1893)) + B_{\bar{N}}(2N+1253-(2N+1132))$$

$$= B_{\bar{N}}(2411) + B_{\bar{N}}(N-640) + B_{\bar{N}}(121) = 2411 + (N-640) + 121 = N + 1892$$

$$(N \ge 2411)$$

$$B_{\bar{N}}(2N+1254) = B_{\bar{N}}(2N+1254-B_{\bar{N}}(2N+1253)) + B_{\bar{N}}(2N+1254-B_{\bar{N}}(2N+1252)) + B_{\bar{N}}(2N+1254-B_{\bar{N}}(2N+1251))$$

$$= B_{\bar{N}}(2N+1254-(N+1892)) + B_{\bar{N}}(2N+1254-(2N-1158)) + B_{\bar{N}}(2N+1254-(N+1893))$$

$$= B_{\bar{N}}(N-638) + B_{\bar{N}}(2412) + B_{\bar{N}}(N-639) = (N-638) + 2412 + (N-639) = 2N+1135$$

$$(N \ge 2412)$$

$$B_{\bar{N}}(2N+1255) = B_{\bar{N}}(2N+1255-B_{\bar{N}}(2N+1254)) + B_{\bar{N}}(2N+1255-B_{\bar{N}}(2N+1253)) + B_{\bar{N}}(2N+1255-B_{\bar{N}}(2N+1252))$$

$$= B_{\bar{N}}(2N+1255-(2N+1135)) + B_{\bar{N}}(2N+1255-(N+1892)) + B_{\bar{N}}(2N+1255-(2N-1158))$$

$$= B_{\bar{N}}(120) + B_{\bar{N}}(N-637) + B_{\bar{N}}(2413) = 120 + (N-637) + 2413 = N + 1896$$

$$(N \ge 2413)$$

$$B_{\bar{N}}(2N+1256) = B_{\bar{N}}(2N+1256-B_{\bar{N}}(2N+1255)) + B_{\bar{N}}(2N+1256-B_{\bar{N}}(2N+1254)) + B_{\bar{N}}(2N+1256-B_{\bar{N}}(2N+1253))$$

$$= B_{\bar{N}}(2N+1256-(N+1896)) + B_{\bar{N}}(2N+1256-(2N+1135)) + B_{\bar{N}}(2N+1256-(N+1892))$$

$$= B_{\bar{N}}(N-640) + B_{\bar{N}}(121) + B_{\bar{N}}(N-636) = (N-640) + 121 + (N-636) = 2N-1155$$

$$(N \ge 641)$$

$$B_{\bar{N}}(2N+1257) = B_{\bar{N}}(2N+1257-B_{\bar{N}}(2N+1256)) + B_{\bar{N}}(2N+1257-B_{\bar{N}}(2N+1255)) + B_{\bar{N}}(2N+1257-B_{\bar{N}}(2N+1254))$$

$$= B_{\bar{N}}(2N+1257-(2N-1155)) + B_{\bar{N}}(2N+1257-(N+1896)) + B_{\bar{N}}(2N+1257-(2N+1135))$$

$$= B_{\bar{N}}(2412) + B_{\bar{N}}(N-639) + B_{\bar{N}}(122) = 2412 + (N-639) + 122 = N + 1895$$

$$(N \ge 2412)$$

$$B_{\bar{N}}(2N+1258) = B_{\bar{N}}(2N+1258-B_{\bar{N}}(2N+1257)) + B_{\bar{N}}(2N+1258-B_{\bar{N}}(2N+1256)) + B_{\bar{N}}(2N+1258-B_{\bar{N}}(2N+1255))$$

$$= B_{\bar{N}}(2N+1258-(N+1895)) + B_{\bar{N}}(2N+1258-(2N-1155)) + B_{\bar{N}}(2N+1258-(N+1896))$$

$$= B_{\bar{N}}(N-637) + B_{\bar{N}}(2413) + B_{\bar{N}}(N-638) = (N-637) + 2413 + (N-638) = 2N+1138$$

$$(N \ge 2413)$$

$$B_{\bar{N}}(2N+1259) = B_{\bar{N}}(2N+1259 - B_{\bar{N}}(2N+1258)) + B_{\bar{N}}(2N+1259 - B_{\bar{N}}(2N+1257)) + B_{\bar{N}}(2N+1259 - B_{\bar{N}}(2N+1259))$$

$$= B_{\bar{N}}(2N+1259 - (2N+1138)) + B_{\bar{N}}(2N+1259 - (N+1895)) + B_{\bar{N}}(2N+1259 - (2N-1155))$$

$$= B_{\bar{N}}(121) + B_{\bar{N}}(N-636) + B_{\bar{N}}(2414) = 121 + (N-636) + 2414 = N + 1899$$

$$(N \ge 2414)$$

$$B_{\bar{N}}(2N+1260) = B_{\bar{N}}(2N+1260 - B_{\bar{N}}(2N+1259)) + B_{\bar{N}}(2N+1260 - B_{\bar{N}}(2N+1258)) + B_{\bar{N}}(2N+1260 - B_{\bar{N}}(2N+1257))$$

$$= B_{\bar{N}}(2N+1260 - (N+1899)) + B_{\bar{N}}(2N+1260 - (2N+1138)) + B_{\bar{N}}(2N+1260 - (N+1895))$$

$$= B_{\bar{N}}(N-639) + B_{\bar{N}}(122) + B_{\bar{N}}(N-635) = (N-639) + 122 + (N-635) = 2N-1152$$

$$(N \ge 640)$$

$$B_{\bar{N}}(2N+1261) = B_{\bar{N}}(2N+1261 - B_{\bar{N}}(2N+1260)) + B_{\bar{N}}(2N+1261 - B_{\bar{N}}(2N+1259)) + B_{\bar{N}}(2N+1261 - B_{\bar{N}}(2N+1258))$$

$$= B_{\bar{N}}(2N+1261 - (2N-1152)) + B_{\bar{N}}(2N+1261 - (N+1899)) + B_{\bar{N}}(2N+1261 - (2N+1138))$$

$$= B_{\bar{N}}(2413) + B_{\bar{N}}(N-638) + B_{\bar{N}}(123) = 2413 + (N-638) + 123 = N + 1898$$

$$(N \ge 2413)$$

$$B_{\bar{N}}(2N+1262) = B_{\bar{N}}(2N+1262-B_{\bar{N}}(2N+1261)) + B_{\bar{N}}(2N+1262-B_{\bar{N}}(2N+1260)) + B_{\bar{N}}(2N+1262-B_{\bar{N}}(2N+1259))$$

$$= B_{\bar{N}}(2N+1262-(N+1898)) + B_{\bar{N}}(2N+1262-(2N-1152)) + B_{\bar{N}}(2N+1262-(N+1899))$$

$$= B_{\bar{N}}(N-636) + B_{\bar{N}}(2414) + B_{\bar{N}}(N-637) = (N-636) + 2414 + (N-637) = 2N+1141$$

$$(N \ge 2414)$$

$$\begin{split} B_{\bar{N}}(2N+1263) &= B_{\bar{N}}(2N+1263-B_{\bar{N}}(2N+1262)) + B_{\bar{N}}(2N+1263-B_{\bar{N}}(2N+1261)) + B_{\bar{N}}(2N+1263-B_{\bar{N}}(2N+1260)) \\ &= B_{\bar{N}}(2N+1263-(2N+1141)) + B_{\bar{N}}(2N+1263-(N+1898)) + B_{\bar{N}}(2N+1263-(2N-1152)) \\ &= B_{\bar{N}}(122) + B_{\bar{N}}(N-635) + B_{\bar{N}}(2415) = 122 + (N-635) + 2415 = N+1902 \\ &\quad (N \geq 2415) \end{split}$$

$$B_{\bar{N}}(2N+1264) = B_{\bar{N}}(2N+1264-B_{\bar{N}}(2N+1263)) + B_{\bar{N}}(2N+1264-B_{\bar{N}}(2N+1262)) + B_{\bar{N}}(2N+1264-B_{\bar{N}}(2N+1261))$$

$$= B_{\bar{N}}(2N+1264-(N+1902)) + B_{\bar{N}}(2N+1264-(2N+1141)) + B_{\bar{N}}(2N+1264-(N+1898))$$

$$= B_{\bar{N}}(N-638) + B_{\bar{N}}(123) + B_{\bar{N}}(N-634) = (N-638) + 123 + (N-634) = 2N-1149$$

$$(N \ge 639)$$

$$B_{\bar{N}}(2N+1265) = B_{\bar{N}}(2N+1265-B_{\bar{N}}(2N+1264)) + B_{\bar{N}}(2N+1265-B_{\bar{N}}(2N+1263)) + B_{\bar{N}}(2N+1265-B_{\bar{N}}(2N+1262))$$

$$= B_{\bar{N}}(2N+1265-(2N-1149)) + B_{\bar{N}}(2N+1265-(N+1902)) + B_{\bar{N}}(2N+1265-(2N+1141))$$

$$= B_{\bar{N}}(2414) + B_{\bar{N}}(N-637) + B_{\bar{N}}(124) = 2414 + (N-637) + 124 = N + 1901$$

$$(N \ge 2414)$$

$$B_{\bar{N}}(2N+1266) = B_{\bar{N}}(2N+1266-B_{\bar{N}}(2N+1265)) + B_{\bar{N}}(2N+1266-B_{\bar{N}}(2N+1264)) + B_{\bar{N}}(2N+1266-B_{\bar{N}}(2N+1263))$$

$$= B_{\bar{N}}(2N+1266-(N+1901)) + B_{\bar{N}}(2N+1266-(2N-1149)) + B_{\bar{N}}(2N+1266-(N+1902))$$

$$= B_{\bar{N}}(N-635) + B_{\bar{N}}(2415) + B_{\bar{N}}(N-636) = (N-635) + 2415 + (N-636) = 2N+1144$$

$$(N \ge 2415)$$

$$B_{\bar{N}}(2N+1267) = B_{\bar{N}}(2N+1267-B_{\bar{N}}(2N+1266)) + B_{\bar{N}}(2N+1267-B_{\bar{N}}(2N+1265)) + B_{\bar{N}}(2N+1267-B_{\bar{N}}(2N+1264))$$

$$= B_{\bar{N}}(2N+1267-(2N+1144)) + B_{\bar{N}}(2N+1267-(N+1901)) + B_{\bar{N}}(2N+1267-(2N-1149))$$

$$= B_{\bar{N}}(123) + B_{\bar{N}}(N-634) + B_{\bar{N}}(2416) = 123 + (N-634) + 2416 = N+1905$$

$$(N \ge 2416)$$

$$B_{\bar{N}}(2N+1268) = B_{\bar{N}}(2N+1268-B_{\bar{N}}(2N+1267)) + B_{\bar{N}}(2N+1268-B_{\bar{N}}(2N+1266)) + B_{\bar{N}}(2N+1268-B_{\bar{N}}(2N+1265))$$

$$= B_{\bar{N}}(2N+1268-(N+1905)) + B_{\bar{N}}(2N+1268-(2N+1144)) + B_{\bar{N}}(2N+1268-(N+1901))$$

$$= B_{\bar{N}}(N-637) + B_{\bar{N}}(124) + B_{\bar{N}}(N-633) = (N-637) + 124 + (N-633) = 2N-1146$$

$$(N \ge 638)$$

$$B_{\bar{N}}(2N+1269) = B_{\bar{N}}(2N+1269 - B_{\bar{N}}(2N+1268)) + B_{\bar{N}}(2N+1269 - B_{\bar{N}}(2N+1267)) + B_{\bar{N}}(2N+1269 - B_{\bar{N}}(2N+1269))$$

$$= B_{\bar{N}}(2N+1269 - (2N-1146)) + B_{\bar{N}}(2N+1269 - (N+1905)) + B_{\bar{N}}(2N+1269 - (2N+1144))$$

$$= B_{\bar{N}}(2415) + B_{\bar{N}}(N-636) + B_{\bar{N}}(125) = 2415 + (N-636) + 125 = N + 1904$$

$$(N \ge 2415)$$

$$B_{\bar{N}}(2N+1270) = B_{\bar{N}}(2N+1270-B_{\bar{N}}(2N+1269)) + B_{\bar{N}}(2N+1270-B_{\bar{N}}(2N+1268)) + B_{\bar{N}}(2N+1270-B_{\bar{N}}(2N+1267))$$

$$= B_{\bar{N}}(2N+1270-(N+1904)) + B_{\bar{N}}(2N+1270-(2N-1146)) + B_{\bar{N}}(2N+1270-(N+1905))$$

$$= B_{\bar{N}}(N-634) + B_{\bar{N}}(2416) + B_{\bar{N}}(N-635) = (N-634) + 2416 + (N-635) = 2N+1147$$

$$(N \ge 2416)$$

$$B_{\bar{N}}(2N+1271) = B_{\bar{N}}(2N+1271 - B_{\bar{N}}(2N+1270)) + B_{\bar{N}}(2N+1271 - B_{\bar{N}}(2N+1269)) + B_{\bar{N}}(2N+1271 - B_{\bar{N}}(2N+1268))$$

$$= B_{\bar{N}}(2N+1271 - (2N+1147)) + B_{\bar{N}}(2N+1271 - (N+1904)) + B_{\bar{N}}(2N+1271 - (2N-1146))$$

$$= B_{\bar{N}}(124) + B_{\bar{N}}(N-633) + B_{\bar{N}}(2417) = 124 + (N-633) + 2417 = N + 1908$$

$$(N \ge 2417)$$

$$B_{\bar{N}}(2N+1272) = B_{\bar{N}}(2N+1272-B_{\bar{N}}(2N+1271)) + B_{\bar{N}}(2N+1272-B_{\bar{N}}(2N+1270)) + B_{\bar{N}}(2N+1272-B_{\bar{N}}(2N+1269))$$

$$= B_{\bar{N}}(2N+1272-(N+1908)) + B_{\bar{N}}(2N+1272-(2N+1147)) + B_{\bar{N}}(2N+1272-(N+1904))$$

$$= B_{\bar{N}}(N-636) + B_{\bar{N}}(125) + B_{\bar{N}}(N-632) = (N-636) + 125 + (N-632) = 2N-1143$$

$$(N \ge 637)$$

$$B_{\bar{N}}(2N+1273) = B_{\bar{N}}(2N+1273-B_{\bar{N}}(2N+1272)) + B_{\bar{N}}(2N+1273-B_{\bar{N}}(2N+1271)) + B_{\bar{N}}(2N+1273-B_{\bar{N}}(2N+1270))$$

$$= B_{\bar{N}}(2N+1273-(2N-1143)) + B_{\bar{N}}(2N+1273-(N+1908)) + B_{\bar{N}}(2N+1273-(2N+1147))$$

$$= B_{\bar{N}}(2416) + B_{\bar{N}}(N-635) + B_{\bar{N}}(126) = 2416 + (N-635) + 126 = N+1907$$

$$(N \ge 2416)$$

$$B_{\bar{N}}(2N+1274) = B_{\bar{N}}(2N+1274 - B_{\bar{N}}(2N+1273)) + B_{\bar{N}}(2N+1274 - B_{\bar{N}}(2N+1272)) + B_{\bar{N}}(2N+1274 - B_{\bar{N}}(2N+1271))$$

$$= B_{\bar{N}}(2N+1274 - (N+1907)) + B_{\bar{N}}(2N+1274 - (2N-1143)) + B_{\bar{N}}(2N+1274 - (N+1908))$$

$$= B_{\bar{N}}(N-633) + B_{\bar{N}}(2417) + B_{\bar{N}}(N-634) = (N-633) + 2417 + (N-634) = 2N+1150$$

$$(N \ge 2417)$$

$$B_{\bar{N}}(2N+1275) = B_{\bar{N}}(2N+1275-B_{\bar{N}}(2N+1274)) + B_{\bar{N}}(2N+1275-B_{\bar{N}}(2N+1273)) + B_{\bar{N}}(2N+1275-B_{\bar{N}}(2N+1272))$$

$$= B_{\bar{N}}(2N+1275-(2N+1150)) + B_{\bar{N}}(2N+1275-(N+1907)) + B_{\bar{N}}(2N+1275-(2N-1143))$$

$$= B_{\bar{N}}(125) + B_{\bar{N}}(N-632) + B_{\bar{N}}(2418) = 125 + (N-632) + 2418 = N+1911$$

$$(N \ge 2418)$$

$$B_{\bar{N}}(2N+1276) = B_{\bar{N}}(2N+1276-B_{\bar{N}}(2N+1275)) + B_{\bar{N}}(2N+1276-B_{\bar{N}}(2N+1274)) + B_{\bar{N}}(2N+1276-B_{\bar{N}}(2N+1273)) = B_{\bar{N}}(2N+1276-(N+1911)) + B_{\bar{N}}(2N+1276-(2N+1150)) + B_{\bar{N}}(2N+1276-(N+1907)) = B_{\bar{N}}(N-635) + B_{\bar{N}}(126) + B_{\bar{N}}(N-631) = (N-635) + 126 + (N-631) = 2N-1140 (N > 636)$$

$$B_{\bar{N}}(2N+1277) = B_{\bar{N}}(2N+1277-B_{\bar{N}}(2N+1276)) + B_{\bar{N}}(2N+1277-B_{\bar{N}}(2N+1275)) + B_{\bar{N}}(2N+1277-B_{\bar{N}}(2N+1274))$$

$$= B_{\bar{N}}(2N+1277-(2N-1140)) + B_{\bar{N}}(2N+1277-(N+1911)) + B_{\bar{N}}(2N+1277-(2N+1150))$$

$$= B_{\bar{N}}(2417) + B_{\bar{N}}(N-634) + B_{\bar{N}}(127) = 2417 + (N-634) + 127 = N + 1910$$

$$(N \ge 2417)$$

$$B_{\bar{N}}(2N+1278) = B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1277)) + B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1276)) + B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2N+1278-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1279) = B_{\bar{N}}(2N+1279 - B_{\bar{N}}(2N+1278)) + B_{\bar{N}}(2N+1279 - B_{\bar{N}}(2N+1277)) + B_{\bar{N}}(2N+1279 - B_{\bar{N}}(2N+1276))$$

$$= B_{\bar{N}}(2N+1279 - (2N+1153)) + B_{\bar{N}}(2N+1279 - (N+1910)) + B_{\bar{N}}(2N+1279 - (2N-1140))$$

$$= B_{\bar{N}}(126) + B_{\bar{N}}(N-631) + B_{\bar{N}}(2419) = 126 + (N-631) + 2419 = N + 1914$$

$$(N \ge 2419)$$

$$B_{\bar{N}}(2N+1280) = B_{\bar{N}}(2N+1280-B_{\bar{N}}(2N+1279)) + B_{\bar{N}}(2N+1280-B_{\bar{N}}(2N+1278)) + B_{\bar{N}}(2N+1280-B_{\bar{N}}(2N+1277))$$

$$= B_{\bar{N}}(2N+1280-(N+1914)) + B_{\bar{N}}(2N+1280-(2N+1153)) + B_{\bar{N}}(2N+1280-(N+1910))$$

$$= B_{\bar{N}}(N-634) + B_{\bar{N}}(127) + B_{\bar{N}}(N-630) = (N-634) + 127 + (N-630) = 2N-1137$$

$$(N \ge 635)$$

$$B_{\bar{N}}(2N+1281) = B_{\bar{N}}(2N+1281-B_{\bar{N}}(2N+1280)) + B_{\bar{N}}(2N+1281-B_{\bar{N}}(2N+1279)) + B_{\bar{N}}(2N+1281-B_{\bar{N}}(2N+1278))$$

$$= B_{\bar{N}}(2N+1281-(2N-1137)) + B_{\bar{N}}(2N+1281-(N+1914)) + B_{\bar{N}}(2N+1281-(2N+1153))$$

$$= B_{\bar{N}}(2418) + B_{\bar{N}}(N-633) + B_{\bar{N}}(128) = 2418 + (N-633) + 128 = N + 1913$$

$$(N > 2418)$$

$$B_{\bar{N}}(2N+1282) = B_{\bar{N}}(2N+1282-B_{\bar{N}}(2N+1281)) + B_{\bar{N}}(2N+1282-B_{\bar{N}}(2N+1280)) + B_{\bar{N}}(2N+1282-B_{\bar{N}}(2N+1279))$$

$$= B_{\bar{N}}(2N+1282-(N+1913)) + B_{\bar{N}}(2N+1282-(2N-1137)) + B_{\bar{N}}(2N+1282-(N+1914))$$

$$= B_{\bar{N}}(N-631) + B_{\bar{N}}(2419) + B_{\bar{N}}(N-632) = (N-631) + 2419 + (N-632) = 2N+1156$$

$$(N \ge 2419)$$

$$B_{\bar{N}}(2N+1283) = B_{\bar{N}}(2N+1283-B_{\bar{N}}(2N+1282)) + B_{\bar{N}}(2N+1283-B_{\bar{N}}(2N+1281)) + B_{\bar{N}}(2N+1283-B_{\bar{N}}(2N+1280))$$

$$= B_{\bar{N}}(2N+1283-(2N+1156)) + B_{\bar{N}}(2N+1283-(N+1913)) + B_{\bar{N}}(2N+1283-(2N-1137))$$

$$= B_{\bar{N}}(127) + B_{\bar{N}}(N-630) + B_{\bar{N}}(2420) = 127 + (N-630) + 2420 = N + 1917$$

$$(N \ge 2420)$$

$$B_{\bar{N}}(2N+1284) = B_{\bar{N}}(2N+1284-B_{\bar{N}}(2N+1283)) + B_{\bar{N}}(2N+1284-B_{\bar{N}}(2N+1282)) + B_{\bar{N}}(2N+1284-B_{\bar{N}}(2N+1281))$$

$$= B_{\bar{N}}(2N+1284-(N+1917)) + B_{\bar{N}}(2N+1284-(2N+1156)) + B_{\bar{N}}(2N+1284-(N+1913))$$

$$= B_{\bar{N}}(N-633) + B_{\bar{N}}(128) + B_{\bar{N}}(N-629) = (N-633) + 128 + (N-629) = 2N-1134$$

$$(N \ge 634)$$

$$B_{\bar{N}}(2N+1285) = B_{\bar{N}}(2N+1285-B_{\bar{N}}(2N+1284)) + B_{\bar{N}}(2N+1285-B_{\bar{N}}(2N+1283)) + B_{\bar{N}}(2N+1285-B_{\bar{N}}(2N+1282))$$

$$= B_{\bar{N}}(2N+1285-(2N-1134)) + B_{\bar{N}}(2N+1285-(N+1917)) + B_{\bar{N}}(2N+1285-(2N+1156))$$

$$= B_{\bar{N}}(2419) + B_{\bar{N}}(N-632) + B_{\bar{N}}(129) = 2419 + (N-632) + 129 = N + 1916$$

$$(N \ge 2419)$$

$$B_{\bar{N}}(2N+1286) = B_{\bar{N}}(2N+1286-B_{\bar{N}}(2N+1285)) + B_{\bar{N}}(2N+1286-B_{\bar{N}}(2N+1284)) + B_{\bar{N}}(2N+1286-B_{\bar{N}}(2N+1283))$$

$$= B_{\bar{N}}(2N+1286-(N+1916)) + B_{\bar{N}}(2N+1286-(2N-1134)) + B_{\bar{N}}(2N+1286-(N+1917))$$

$$= B_{\bar{N}}(N-630) + B_{\bar{N}}(2420) + B_{\bar{N}}(N-631) = (N-630) + 2420 + (N-631) = 2N+1159$$

$$(N > 2420)$$

$$B_{\bar{N}}(2N+1287) = B_{\bar{N}}(2N+1287 - B_{\bar{N}}(2N+1286)) + B_{\bar{N}}(2N+1287 - B_{\bar{N}}(2N+1285)) + B_{\bar{N}}(2N+1287 - B_{\bar{N}}(2N+1284))$$

$$= B_{\bar{N}}(2N+1287 - (2N+1159)) + B_{\bar{N}}(2N+1287 - (N+1916)) + B_{\bar{N}}(2N+1287 - (2N-1134))$$

$$= B_{\bar{N}}(128) + B_{\bar{N}}(N-629) + B_{\bar{N}}(2421) = 128 + (N-629) + 2421 = N + 1920$$

$$(N \ge 2421)$$

$$B_{\bar{N}}(2N+1288) = B_{\bar{N}}(2N+1288-B_{\bar{N}}(2N+1287)) + B_{\bar{N}}(2N+1288-B_{\bar{N}}(2N+1286)) + B_{\bar{N}}(2N+1288-B_{\bar{N}}(2N+1285))$$

$$= B_{\bar{N}}(2N+1288-(N+1920)) + B_{\bar{N}}(2N+1288-(2N+1159)) + B_{\bar{N}}(2N+1288-(N+1916))$$

$$= B_{\bar{N}}(N-632) + B_{\bar{N}}(129) + B_{\bar{N}}(N-628) = (N-632) + 129 + (N-628) = 2N-1131$$

$$(N \ge 633)$$

$$B_{\bar{N}}(2N+1289) = B_{\bar{N}}(2N+1289 - B_{\bar{N}}(2N+1288)) + B_{\bar{N}}(2N+1289 - B_{\bar{N}}(2N+1287)) + B_{\bar{N}}(2N+1289 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1290) = B_{\bar{N}}(2N+1290 - B_{\bar{N}}(2N+1289)) + B_{\bar{N}}(2N+1290 - B_{\bar{N}}(2N+1288)) + B_{\bar{N}}(2N+1290 - B_{\bar{N}}(2N+1287))$$

$$= B_{\bar{N}}(2N+1290 - (N+1919)) + B_{\bar{N}}(2N+1290 - (2N-1131)) + B_{\bar{N}}(2N+1290 - (N+1920))$$

$$= B_{\bar{N}}(N-629) + B_{\bar{N}}(2421) + B_{\bar{N}}(N-630) = (N-629) + 2421 + (N-630) = 2N+1162$$

$$(N \ge 2421)$$

$$B_{\bar{N}}(2N+1291) = B_{\bar{N}}(2N+1291-B_{\bar{N}}(2N+1290)) + B_{\bar{N}}(2N+1291-B_{\bar{N}}(2N+1289)) + B_{\bar{N}}(2N+1291-B_{\bar{N}}(2N+1288))$$

$$= B_{\bar{N}}(2N+1291-(2N+1162)) + B_{\bar{N}}(2N+1291-(N+1919)) + B_{\bar{N}}(2N+1291-(2N-1131))$$

$$= B_{\bar{N}}(129) + B_{\bar{N}}(N-628) + B_{\bar{N}}(2422) = 129 + (N-628) + 2422 = N + 1923$$

$$(N \ge 2422)$$

$$\begin{split} B_{\bar{N}}(2N+1292) &= B_{\bar{N}}(2N+1292-B_{\bar{N}}(2N+1291)) + B_{\bar{N}}(2N+1292-B_{\bar{N}}(2N+1290)) + B_{\bar{N}}(2N+1292-B_{\bar{N}}(2N+1289)) \\ &= B_{\bar{N}}(2N+1292-(N+1923)) + B_{\bar{N}}(2N+1292-(2N+1162)) + B_{\bar{N}}(2N+1292-(N+1919)) \\ &= B_{\bar{N}}(N-631) + B_{\bar{N}}(130) + B_{\bar{N}}(N-627) = (N-631) + 130 + (N-627) = 2N-1128 \\ &(N \geq 632) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+1293) &= B_{\bar{N}}(2N+1293-B_{\bar{N}}(2N+1292)) + B_{\bar{N}}(2N+1293-B_{\bar{N}}(2N+1291)) + B_{\bar{N}}(2N+1293-B_{\bar{N}}(2N+1290)) \\ &= B_{\bar{N}}(2N+1293-(2N-1128)) + B_{\bar{N}}(2N+1293-(N+1923)) + B_{\bar{N}}(2N+1293-(2N+1162)) \\ &= B_{\bar{N}}(2421) + B_{\bar{N}}(N-630) + B_{\bar{N}}(131) = 2421 + (N-630) + 131 = N + 1922 \\ &(N \geq 2421) \end{split}$$

$$B_{\bar{N}}(2N+1294) = B_{\bar{N}}(2N+1294-B_{\bar{N}}(2N+1293)) + B_{\bar{N}}(2N+1294-B_{\bar{N}}(2N+1292)) + B_{\bar{N}}(2N+1294-B_{\bar{N}}(2N+1291))$$

$$= B_{\bar{N}}(2N+1294-(N+1922)) + B_{\bar{N}}(2N+1294-(2N-1128)) + B_{\bar{N}}(2N+1294-(N+1923))$$

$$= B_{\bar{N}}(N-628) + B_{\bar{N}}(2422) + B_{\bar{N}}(N-629) = (N-628) + 2422 + (N-629) = 2N+1165$$

$$(N \ge 2422)$$

$$B_{\bar{N}}(2N+1295) = B_{\bar{N}}(2N+1295-B_{\bar{N}}(2N+1294)) + B_{\bar{N}}(2N+1295-B_{\bar{N}}(2N+1293)) + B_{\bar{N}}(2N+1295-B_{\bar{N}}(2N+1292))$$

$$= B_{\bar{N}}(2N+1295-(2N+1165)) + B_{\bar{N}}(2N+1295-(N+1922)) + B_{\bar{N}}(2N+1295-(2N-1128))$$

$$= B_{\bar{N}}(130) + B_{\bar{N}}(N-627) + B_{\bar{N}}(2423) = 130 + (N-627) + 2423 = N + 1926$$

$$(N \ge 2423)$$

$$B_{\bar{N}}(2N+1296) = B_{\bar{N}}(2N+1296-B_{\bar{N}}(2N+1295)) + B_{\bar{N}}(2N+1296-B_{\bar{N}}(2N+1294)) + B_{\bar{N}}(2N+1296-B_{\bar{N}}(2N+1293))$$

$$= B_{\bar{N}}(2N+1296-(N+1926)) + B_{\bar{N}}(2N+1296-(2N+1165)) + B_{\bar{N}}(2N+1296-(N+1922))$$

$$= B_{\bar{N}}(N-630) + B_{\bar{N}}(131) + B_{\bar{N}}(N-626) = (N-630) + 131 + (N-626) = 2N-1125$$

$$(N > 631)$$

$$B_{\bar{N}}(2N+1297) = B_{\bar{N}}(2N+1297 - B_{\bar{N}}(2N+1296)) + B_{\bar{N}}(2N+1297 - B_{\bar{N}}(2N+1295)) + B_{\bar{N}}(2N+1297 - B_{\bar{N}}(2N+1294))$$

$$= B_{\bar{N}}(2N+1297 - (2N-1125)) + B_{\bar{N}}(2N+1297 - (N+1926)) + B_{\bar{N}}(2N+1297 - (2N+1165))$$

$$= B_{\bar{N}}(2422) + B_{\bar{N}}(N-629) + B_{\bar{N}}(132) = 2422 + (N-629) + 132 = N + 1925$$

$$(N \ge 2422)$$

$$B_{\bar{N}}(2N+1298) = B_{\bar{N}}(2N+1298-B_{\bar{N}}(2N+1297)) + B_{\bar{N}}(2N+1298-B_{\bar{N}}(2N+1296)) + B_{\bar{N}}(2N+1298-B_{\bar{N}}(2N+1295))$$

$$= B_{\bar{N}}(2N+1298-(N+1925)) + B_{\bar{N}}(2N+1298-(2N-1125)) + B_{\bar{N}}(2N+1298-(N+1926))$$

$$= B_{\bar{N}}(N-627) + B_{\bar{N}}(2423) + B_{\bar{N}}(N-628) = (N-627) + 2423 + (N-628) = 2N+1168$$

$$(N \ge 2423)$$

$$B_{\bar{N}}(2N+1299) = B_{\bar{N}}(2N+1299 - B_{\bar{N}}(2N+1298)) + B_{\bar{N}}(2N+1299 - B_{\bar{N}}(2N+1297)) + B_{\bar{N}}(2N+1299 - B_{\bar{N}}(2N+1296))$$

$$= B_{\bar{N}}(2N+1299 - (2N+1168)) + B_{\bar{N}}(2N+1299 - (N+1925)) + B_{\bar{N}}(2N+1299 - (2N-1125))$$

$$= B_{\bar{N}}(131) + B_{\bar{N}}(N-626) + B_{\bar{N}}(2424) = 131 + (N-626) + 2424 = N + 1929$$

$$(N \ge 2424)$$

$$B_{\bar{N}}(2N+1300) = B_{\bar{N}}(2N+1300 - B_{\bar{N}}(2N+1299)) + B_{\bar{N}}(2N+1300 - B_{\bar{N}}(2N+1298)) + B_{\bar{N}}(2N+1300 - B_{\bar{N}}(2N+1297))$$

$$= B_{\bar{N}}(2N+1300 - (N+1929)) + B_{\bar{N}}(2N+1300 - (2N+1168)) + B_{\bar{N}}(2N+1300 - (N+1925))$$

$$= B_{\bar{N}}(N-629) + B_{\bar{N}}(132) + B_{\bar{N}}(N-625) = (N-629) + 132 + (N-625) = 2N-1122$$

$$(N \ge 630)$$

$$B_{\bar{N}}(2N+1301) = B_{\bar{N}}(2N+1301-B_{\bar{N}}(2N+1300)) + B_{\bar{N}}(2N+1301-B_{\bar{N}}(2N+1299)) + B_{\bar{N}}(2N+1301-B_{\bar{N}}(2N+1298))$$

$$= B_{\bar{N}}(2N+1301-(2N-1122)) + B_{\bar{N}}(2N+1301-(N+1929)) + B_{\bar{N}}(2N+1301-(2N+1168))$$

$$= B_{\bar{N}}(2423) + B_{\bar{N}}(N-628) + B_{\bar{N}}(133) = 2423 + (N-628) + 133 = N + 1928$$

$$(N > 2423)$$

$$B_{\bar{N}}(2N+1302) = B_{\bar{N}}(2N+1302-B_{\bar{N}}(2N+1301)) + B_{\bar{N}}(2N+1302-B_{\bar{N}}(2N+1300)) + B_{\bar{N}}(2N+1302-B_{\bar{N}}(2N+1299))$$

$$= B_{\bar{N}}(2N+1302-(N+1928)) + B_{\bar{N}}(2N+1302-(2N-1122)) + B_{\bar{N}}(2N+1302-(N+1929))$$

$$= B_{\bar{N}}(N-626) + B_{\bar{N}}(2424) + B_{\bar{N}}(N-627) = (N-626) + 2424 + (N-627) = 2N+1171$$

$$(N \ge 2424)$$

$$B_{\bar{N}}(2N+1303) = B_{\bar{N}}(2N+1303-B_{\bar{N}}(2N+1302)) + B_{\bar{N}}(2N+1303-B_{\bar{N}}(2N+1301)) + B_{\bar{N}}(2N+1303-B_{\bar{N}}(2N+1300)) = B_{\bar{N}}(2N+1303-(2N+1171)) + B_{\bar{N}}(2N+1303-(N+1928)) + B_{\bar{N}}(2N+1303-(2N-1122)) = B_{\bar{N}}(132) + B_{\bar{N}}(N-625) + B_{\bar{N}}(2425) = 132 + (N-625) + 2425 = N+1932 (N \ge 2425)$$

$$B_{\bar{N}}(2N+1304) = B_{\bar{N}}(2N+1304-B_{\bar{N}}(2N+1303)) + B_{\bar{N}}(2N+1304-B_{\bar{N}}(2N+1302)) + B_{\bar{N}}(2N+1304-B_{\bar{N}}(2N+1301))$$

$$= B_{\bar{N}}(2N+1304-(N+1932)) + B_{\bar{N}}(2N+1304-(2N+1171)) + B_{\bar{N}}(2N+1304-(N+1928))$$

$$= B_{\bar{N}}(N-628) + B_{\bar{N}}(133) + B_{\bar{N}}(N-624) = (N-628) + 133 + (N-624) = 2N-1119$$

$$(N \ge 629)$$

$$\begin{split} B_{\bar{N}}(2N+1305) &= B_{\bar{N}}(2N+1305-B_{\bar{N}}(2N+1304)) + B_{\bar{N}}(2N+1305-B_{\bar{N}}(2N+1303)) + B_{\bar{N}}(2N+1305-B_{\bar{N}}(2N+1302)) \\ &= B_{\bar{N}}(2N+1305-(2N-1119)) + B_{\bar{N}}(2N+1305-(N+1932)) + B_{\bar{N}}(2N+1305-(2N+1171)) \\ &= B_{\bar{N}}(2424) + B_{\bar{N}}(N-627) + B_{\bar{N}}(134) = 2424 + (N-627) + 134 = N + 1931 \\ &(N \geq 2424) \end{split}$$

$$B_{\bar{N}}(2N+1306) = B_{\bar{N}}(2N+1306-B_{\bar{N}}(2N+1305)) + B_{\bar{N}}(2N+1306-B_{\bar{N}}(2N+1304)) + B_{\bar{N}}(2N+1306-B_{\bar{N}}(2N+1303))$$

$$= B_{\bar{N}}(2N+1306-(N+1931)) + B_{\bar{N}}(2N+1306-(2N-1119)) + B_{\bar{N}}(2N+1306-(N+1932))$$

$$= B_{\bar{N}}(N-625) + B_{\bar{N}}(2425) + B_{\bar{N}}(N-626) = (N-625) + 2425 + (N-626) = 2N+1174$$

$$(N \ge 2425)$$

$$B_{\bar{N}}(2N+1307) = B_{\bar{N}}(2N+1307 - B_{\bar{N}}(2N+1306)) + B_{\bar{N}}(2N+1307 - B_{\bar{N}}(2N+1305)) + B_{\bar{N}}(2N+1307 - B_{\bar{N}}(2N+1304))$$

$$= B_{\bar{N}}(2N+1307 - (2N+1174)) + B_{\bar{N}}(2N+1307 - (N+1931)) + B_{\bar{N}}(2N+1307 - (2N-1119))$$

$$= B_{\bar{N}}(133) + B_{\bar{N}}(N-624) + B_{\bar{N}}(2426) = 133 + (N-624) + 2426 = N + 1935$$

$$(N \ge 2426)$$

$$B_{\bar{N}}(2N+1308) = B_{\bar{N}}(2N+1308-B_{\bar{N}}(2N+1307)) + B_{\bar{N}}(2N+1308-B_{\bar{N}}(2N+1306)) + B_{\bar{N}}(2N+1308-B_{\bar{N}}(2N+1305))$$

$$= B_{\bar{N}}(2N+1308-(N+1935)) + B_{\bar{N}}(2N+1308-(2N+1174)) + B_{\bar{N}}(2N+1308-(N+1931))$$

$$= B_{\bar{N}}(N-627) + B_{\bar{N}}(134) + B_{\bar{N}}(N-623) = (N-627) + 134 + (N-623) = 2N-1116$$

$$(N \ge 628)$$

$$B_{\bar{N}}(2N+1309) = B_{\bar{N}}(2N+1309 - B_{\bar{N}}(2N+1308)) + B_{\bar{N}}(2N+1309 - B_{\bar{N}}(2N+1307)) + B_{\bar{N}}(2N+1309 - B_{\bar{N}}(2N+1306))$$

$$= B_{\bar{N}}(2N+1309 - (2N-1116)) + B_{\bar{N}}(2N+1309 - (N+1935)) + B_{\bar{N}}(2N+1309 - (2N+1174))$$

$$= B_{\bar{N}}(2425) + B_{\bar{N}}(N-626) + B_{\bar{N}}(135) = 2425 + (N-626) + 135 = N + 1934$$

$$(N \ge 2425)$$

$$B_{\bar{N}}(2N+1310) = B_{\bar{N}}(2N+1310-B_{\bar{N}}(2N+1309)) + B_{\bar{N}}(2N+1310-B_{\bar{N}}(2N+1308)) + B_{\bar{N}}(2N+1310-B_{\bar{N}}(2N+1307))$$

$$= B_{\bar{N}}(2N+1310-(N+1934)) + B_{\bar{N}}(2N+1310-(2N-1116)) + B_{\bar{N}}(2N+1310-(N+1935))$$

$$= B_{\bar{N}}(N-624) + B_{\bar{N}}(2426) + B_{\bar{N}}(N-625) = (N-624) + 2426 + (N-625) = 2N+1177$$

$$(N \ge 2426)$$

$$B_{\bar{N}}(2N+1311) = B_{\bar{N}}(2N+1311-B_{\bar{N}}(2N+1310)) + B_{\bar{N}}(2N+1311-B_{\bar{N}}(2N+1309)) + B_{\bar{N}}(2N+1311-B_{\bar{N}}(2N+1308))$$

$$= B_{\bar{N}}(2N+1311-(2N+1177)) + B_{\bar{N}}(2N+1311-(N+1934)) + B_{\bar{N}}(2N+1311-(2N-1116))$$

$$= B_{\bar{N}}(134) + B_{\bar{N}}(N-623) + B_{\bar{N}}(2427) = 134 + (N-623) + 2427 = N + 1938$$

$$(N \ge 2427)$$

$$B_{\bar{N}}(2N+1312) = B_{\bar{N}}(2N+1312-B_{\bar{N}}(2N+1311)) + B_{\bar{N}}(2N+1312-B_{\bar{N}}(2N+1310)) + B_{\bar{N}}(2N+1312-B_{\bar{N}}(2N+1309))$$

$$= B_{\bar{N}}(2N+1312-(N+1938)) + B_{\bar{N}}(2N+1312-(2N+1177)) + B_{\bar{N}}(2N+1312-(N+1934))$$

$$= B_{\bar{N}}(N-626) + B_{\bar{N}}(135) + B_{\bar{N}}(N-622) = (N-626) + 135 + (N-622) = 2N-1113$$

$$(N \ge 627)$$

$$B_{\bar{N}}(2N+1313) = B_{\bar{N}}(2N+1313-B_{\bar{N}}(2N+1312)) + B_{\bar{N}}(2N+1313-B_{\bar{N}}(2N+1311)) + B_{\bar{N}}(2N+1313-B_{\bar{N}}(2N+1310))$$

$$= B_{\bar{N}}(2N+1313-(2N-1113)) + B_{\bar{N}}(2N+1313-(N+1938)) + B_{\bar{N}}(2N+1313-(2N+1177))$$

$$= B_{\bar{N}}(2426) + B_{\bar{N}}(N-625) + B_{\bar{N}}(136) = 2426 + (N-625) + 136 = N+1937$$

$$(N \ge 2426)$$

$$B_{\bar{N}}(2N+1314) = B_{\bar{N}}(2N+1314-B_{\bar{N}}(2N+1313)) + B_{\bar{N}}(2N+1314-B_{\bar{N}}(2N+1312)) + B_{\bar{N}}(2N+1314-B_{\bar{N}}(2N+1311))$$

$$= B_{\bar{N}}(2N+1314-(N+1937)) + B_{\bar{N}}(2N+1314-(2N-1113)) + B_{\bar{N}}(2N+1314-(N+1938))$$

$$= B_{\bar{N}}(N-623) + B_{\bar{N}}(2427) + B_{\bar{N}}(N-624) = (N-623) + 2427 + (N-624) = 2N+1180$$

$$(N \ge 2427)$$

$$B_{\bar{N}}(2N+1315) = B_{\bar{N}}(2N+1315-B_{\bar{N}}(2N+1314)) + B_{\bar{N}}(2N+1315-B_{\bar{N}}(2N+1313)) + B_{\bar{N}}(2N+1315-B_{\bar{N}}(2N+1312))$$

$$= B_{\bar{N}}(2N+1315-(2N+1180)) + B_{\bar{N}}(2N+1315-(N+1937)) + B_{\bar{N}}(2N+1315-(2N-1113))$$

$$= B_{\bar{N}}(135) + B_{\bar{N}}(N-622) + B_{\bar{N}}(2428) = 135 + (N-622) + 2428 = N+1941$$

$$(N \ge 2428)$$

$$B_{\bar{N}}(2N+1316) = B_{\bar{N}}(2N+1316-B_{\bar{N}}(2N+1315)) + B_{\bar{N}}(2N+1316-B_{\bar{N}}(2N+1314)) + B_{\bar{N}}(2N+1316-B_{\bar{N}}(2N+1313))$$

$$= B_{\bar{N}}(2N+1316-(N+1941)) + B_{\bar{N}}(2N+1316-(2N+1180)) + B_{\bar{N}}(2N+1316-(N+1937))$$

$$= B_{\bar{N}}(N-625) + B_{\bar{N}}(136) + B_{\bar{N}}(N-621) = (N-625) + 136 + (N-621) = 2N-1110$$

$$(N \ge 626)$$

$$B_{\bar{N}}(2N+1317) = B_{\bar{N}}(2N+1317-B_{\bar{N}}(2N+1316)) + B_{\bar{N}}(2N+1317-B_{\bar{N}}(2N+1315)) + B_{\bar{N}}(2N+1317-B_{\bar{N}}(2N+1314))$$

$$= B_{\bar{N}}(2N+1317-(2N-1110)) + B_{\bar{N}}(2N+1317-(N+1941)) + B_{\bar{N}}(2N+1317-(2N+1180))$$

$$= B_{\bar{N}}(2427) + B_{\bar{N}}(N-624) + B_{\bar{N}}(137) = 2427 + (N-624) + 137 = N + 1940$$

$$(N \ge 2427)$$

$$B_{\bar{N}}(2N+1318) = B_{\bar{N}}(2N+1318-B_{\bar{N}}(2N+1317)) + B_{\bar{N}}(2N+1318-B_{\bar{N}}(2N+1316)) + B_{\bar{N}}(2N+1318-B_{\bar{N}}(2N+1315))$$

$$= B_{\bar{N}}(2N+1318-(N+1940)) + B_{\bar{N}}(2N+1318-(2N-1110)) + B_{\bar{N}}(2N+1318-(N+1941))$$

$$= B_{\bar{N}}(N-622) + B_{\bar{N}}(2428) + B_{\bar{N}}(N-623) = (N-622) + 2428 + (N-623) = 2N+1183$$

$$(N \ge 2428)$$

$$B_{\bar{N}}(2N+1319) = B_{\bar{N}}(2N+1319 - B_{\bar{N}}(2N+1318)) + B_{\bar{N}}(2N+1319 - B_{\bar{N}}(2N+1317)) + B_{\bar{N}}(2N+1319 - B_{\bar{N}}(2N+1316))$$

$$= B_{\bar{N}}(2N+1319 - (2N+1183)) + B_{\bar{N}}(2N+1319 - (N+1940)) + B_{\bar{N}}(2N+1319 - (2N-1110))$$

$$= B_{\bar{N}}(136) + B_{\bar{N}}(N-621) + B_{\bar{N}}(2429) = 136 + (N-621) + 2429 = N + 1944$$

$$(N \ge 2429)$$

$$B_{\bar{N}}(2N+1320) = B_{\bar{N}}(2N+1320-B_{\bar{N}}(2N+1319)) + B_{\bar{N}}(2N+1320-B_{\bar{N}}(2N+1318)) + B_{\bar{N}}(2N+1320-B_{\bar{N}}(2N+1317))$$

$$= B_{\bar{N}}(2N+1320-(N+1944)) + B_{\bar{N}}(2N+1320-(2N+1183)) + B_{\bar{N}}(2N+1320-(N+1940))$$

$$= B_{\bar{N}}(N-624) + B_{\bar{N}}(137) + B_{\bar{N}}(N-620) = (N-624) + 137 + (N-620) = 2N-1107$$

$$(N \ge 625)$$

$$B_{\bar{N}}(2N+1321) = B_{\bar{N}}(2N+1321-B_{\bar{N}}(2N+1320)) + B_{\bar{N}}(2N+1321-B_{\bar{N}}(2N+1319)) + B_{\bar{N}}(2N+1321-B_{\bar{N}}(2N+1318))$$

$$= B_{\bar{N}}(2N+1321-(2N-1107)) + B_{\bar{N}}(2N+1321-(N+1944)) + B_{\bar{N}}(2N+1321-(2N+1183))$$

$$= B_{\bar{N}}(2428) + B_{\bar{N}}(N-623) + B_{\bar{N}}(138) = 2428 + (N-623) + 138 = N + 1943$$

$$(N \ge 2428)$$

$$B_{\bar{N}}(2N+1322) = B_{\bar{N}}(2N+1322-B_{\bar{N}}(2N+1321)) + B_{\bar{N}}(2N+1322-B_{\bar{N}}(2N+1320)) + B_{\bar{N}}(2N+1322-B_{\bar{N}}(2N+1319))$$

$$= B_{\bar{N}}(2N+1322-(N+1943)) + B_{\bar{N}}(2N+1322-(2N-1107)) + B_{\bar{N}}(2N+1322-(N+1944))$$

$$= B_{\bar{N}}(N-621) + B_{\bar{N}}(2429) + B_{\bar{N}}(N-622) = (N-621) + 2429 + (N-622) = 2N+1186$$

$$(N \ge 2429)$$

$$B_{\bar{N}}(2N+1323) = B_{\bar{N}}(2N+1323-B_{\bar{N}}(2N+1322)) + B_{\bar{N}}(2N+1323-B_{\bar{N}}(2N+1321)) + B_{\bar{N}}(2N+1323-B_{\bar{N}}(2N+1320))$$

$$= B_{\bar{N}}(2N+1323-(2N+1186)) + B_{\bar{N}}(2N+1323-(N+1943)) + B_{\bar{N}}(2N+1323-(2N-1107))$$

$$= B_{\bar{N}}(137) + B_{\bar{N}}(N-620) + B_{\bar{N}}(2430) = 137 + (N-620) + 2430 = N + 1947$$

$$(N \ge 2430)$$

$$B_{\bar{N}}(2N+1324) = B_{\bar{N}}(2N+1324-B_{\bar{N}}(2N+1323)) + B_{\bar{N}}(2N+1324-B_{\bar{N}}(2N+1322)) + B_{\bar{N}}(2N+1324-B_{\bar{N}}(2N+1321))$$

$$= B_{\bar{N}}(2N+1324-(N+1947)) + B_{\bar{N}}(2N+1324-(2N+1186)) + B_{\bar{N}}(2N+1324-(N+1943))$$

$$= B_{\bar{N}}(N-623) + B_{\bar{N}}(138) + B_{\bar{N}}(N-619) = (N-623) + 138 + (N-619) = 2N-1104$$

$$(N \ge 624)$$

$$B_{\bar{N}}(2N+1325) = B_{\bar{N}}(2N+1325-B_{\bar{N}}(2N+1324)) + B_{\bar{N}}(2N+1325-B_{\bar{N}}(2N+1323)) + B_{\bar{N}}(2N+1325-B_{\bar{N}}(2N+1322))$$

$$= B_{\bar{N}}(2N+1325-(2N-1104)) + B_{\bar{N}}(2N+1325-(N+1947)) + B_{\bar{N}}(2N+1325-(2N+1186))$$

$$= B_{\bar{N}}(2429) + B_{\bar{N}}(N-622) + B_{\bar{N}}(139) = 2429 + (N-622) + 139 = N + 1946$$

$$(N \ge 2429)$$

$$B_{\bar{N}}(2N+1326) = B_{\bar{N}}(2N+1326-B_{\bar{N}}(2N+1325)) + B_{\bar{N}}(2N+1326-B_{\bar{N}}(2N+1324)) + B_{\bar{N}}(2N+1326-B_{\bar{N}}(2N+1323))$$

$$= B_{\bar{N}}(2N+1326-(N+1946)) + B_{\bar{N}}(2N+1326-(2N-1104)) + B_{\bar{N}}(2N+1326-(N+1947))$$

$$= B_{\bar{N}}(N-620) + B_{\bar{N}}(2430) + B_{\bar{N}}(N-621) = (N-620) + 2430 + (N-621) = 2N+1189$$

$$(N \ge 2430)$$

$$B_{\bar{N}}(2N+1327) = B_{\bar{N}}(2N+1327-B_{\bar{N}}(2N+1326)) + B_{\bar{N}}(2N+1327-B_{\bar{N}}(2N+1325)) + B_{\bar{N}}(2N+1327-B_{\bar{N}}(2N+1324))$$

$$= B_{\bar{N}}(2N+1327-(2N+1189)) + B_{\bar{N}}(2N+1327-(N+1946)) + B_{\bar{N}}(2N+1327-(2N-1104))$$

$$= B_{\bar{N}}(138) + B_{\bar{N}}(N-619) + B_{\bar{N}}(2431) = 138 + (N-619) + 2431 = N + 1950$$

$$(N \ge 2431)$$

$$B_{\bar{N}}(2N+1328) = B_{\bar{N}}(2N+1328-B_{\bar{N}}(2N+1327)) + B_{\bar{N}}(2N+1328-B_{\bar{N}}(2N+1326)) + B_{\bar{N}}(2N+1328-B_{\bar{N}}(2N+1325))$$

$$= B_{\bar{N}}(2N+1328-(N+1950)) + B_{\bar{N}}(2N+1328-(2N+1189)) + B_{\bar{N}}(2N+1328-(N+1946))$$

$$= B_{\bar{N}}(N-622) + B_{\bar{N}}(139) + B_{\bar{N}}(N-618) = (N-622) + 139 + (N-618) = 2N-1101$$

$$(N \ge 623)$$

$$B_{\bar{N}}(2N+1329) = B_{\bar{N}}(2N+1329 - B_{\bar{N}}(2N+1328)) + B_{\bar{N}}(2N+1329 - B_{\bar{N}}(2N+1327)) + B_{\bar{N}}(2N+1329 - B_{\bar{N}}(2N+1329))$$

$$= B_{\bar{N}}(2N+1329 - (2N-1101)) + B_{\bar{N}}(2N+1329 - (N+1950)) + B_{\bar{N}}(2N+1329 - (2N+1189))$$

$$= B_{\bar{N}}(2430) + B_{\bar{N}}(N-621) + B_{\bar{N}}(140) = 2430 + (N-621) + 140 = N + 1949$$

$$(N \ge 2430)$$

$$B_{\bar{N}}(2N+1330) = B_{\bar{N}}(2N+1330-B_{\bar{N}}(2N+1329)) + B_{\bar{N}}(2N+1330-B_{\bar{N}}(2N+1328)) + B_{\bar{N}}(2N+1330-B_{\bar{N}}(2N+1327))$$

$$= B_{\bar{N}}(2N+1330-(N+1949)) + B_{\bar{N}}(2N+1330-(2N-1101)) + B_{\bar{N}}(2N+1330-(N+1950))$$

$$= B_{\bar{N}}(N-619) + B_{\bar{N}}(2431) + B_{\bar{N}}(N-620) = (N-619) + 2431 + (N-620) = 2N+1192$$

$$(N \ge 2431)$$

$$B_{\bar{N}}(2N+1331) = B_{\bar{N}}(2N+1331-B_{\bar{N}}(2N+1330)) + B_{\bar{N}}(2N+1331-B_{\bar{N}}(2N+1329)) + B_{\bar{N}}(2N+1331-B_{\bar{N}}(2N+1328))$$

$$= B_{\bar{N}}(2N+1331-(2N+1192)) + B_{\bar{N}}(2N+1331-(N+1949)) + B_{\bar{N}}(2N+1331-(2N-1101))$$

$$= B_{\bar{N}}(139) + B_{\bar{N}}(N-618) + B_{\bar{N}}(2432) = 139 + (N-618) + 2432 = N + 1953$$

$$(N \ge 2432)$$

$$B_{\bar{N}}(2N+1332) = B_{\bar{N}}(2N+1332-B_{\bar{N}}(2N+1331)) + B_{\bar{N}}(2N+1332-B_{\bar{N}}(2N+1330)) + B_{\bar{N}}(2N+1332-B_{\bar{N}}(2N+1329))$$

$$= B_{\bar{N}}(2N+1332-(N+1953)) + B_{\bar{N}}(2N+1332-(2N+1192)) + B_{\bar{N}}(2N+1332-(N+1949))$$

$$= B_{\bar{N}}(N-621) + B_{\bar{N}}(140) + B_{\bar{N}}(N-617) = (N-621) + 140 + (N-617) = 2N-1098$$

$$(N \ge 622)$$

$$B_{\bar{N}}(2N+1333) = B_{\bar{N}}(2N+1333-B_{\bar{N}}(2N+1332)) + B_{\bar{N}}(2N+1333-B_{\bar{N}}(2N+1331)) + B_{\bar{N}}(2N+1333-B_{\bar{N}}(2N+1330))$$

$$= B_{\bar{N}}(2N+1333-(2N-1098)) + B_{\bar{N}}(2N+1333-(N+1953)) + B_{\bar{N}}(2N+1333-(2N+1192))$$

$$= B_{\bar{N}}(2431) + B_{\bar{N}}(N-620) + B_{\bar{N}}(141) = 2431 + (N-620) + 141 = N + 1952$$

$$(N \ge 2431)$$

$$B_{\bar{N}}(2N+1334) = B_{\bar{N}}(2N+1334-B_{\bar{N}}(2N+1333)) + B_{\bar{N}}(2N+1334-B_{\bar{N}}(2N+1332)) + B_{\bar{N}}(2N+1334-B_{\bar{N}}(2N+1331))$$

$$= B_{\bar{N}}(2N+1334-(N+1952)) + B_{\bar{N}}(2N+1334-(2N-1098)) + B_{\bar{N}}(2N+1334-(N+1953))$$

$$= B_{\bar{N}}(N-618) + B_{\bar{N}}(2432) + B_{\bar{N}}(N-619) = (N-618) + 2432 + (N-619) = 2N+1195$$

$$(N \ge 2432)$$

$$B_{\bar{N}}(2N+1335) = B_{\bar{N}}(2N+1335-B_{\bar{N}}(2N+1334)) + B_{\bar{N}}(2N+1335-B_{\bar{N}}(2N+1333)) + B_{\bar{N}}(2N+1335-B_{\bar{N}}(2N+1332))$$

$$= B_{\bar{N}}(2N+1335-(2N+1195)) + B_{\bar{N}}(2N+1335-(N+1952)) + B_{\bar{N}}(2N+1335-(2N-1098))$$

$$= B_{\bar{N}}(140) + B_{\bar{N}}(N-617) + B_{\bar{N}}(2433) = 140 + (N-617) + 2433 = N + 1956$$

$$(N \ge 2433)$$

$$B_{\bar{N}}(2N+1336) = B_{\bar{N}}(2N+1336-B_{\bar{N}}(2N+1335)) + B_{\bar{N}}(2N+1336-B_{\bar{N}}(2N+1334)) + B_{\bar{N}}(2N+1336-B_{\bar{N}}(2N+1333))$$

$$= B_{\bar{N}}(2N+1336-(N+1956)) + B_{\bar{N}}(2N+1336-(2N+1195)) + B_{\bar{N}}(2N+1336-(N+1952))$$

$$= B_{\bar{N}}(N-620) + B_{\bar{N}}(141) + B_{\bar{N}}(N-616) = (N-620) + 141 + (N-616) = 2N-1095$$

$$(N \ge 621)$$

$$B_{\bar{N}}(2N+1337) = B_{\bar{N}}(2N+1337-B_{\bar{N}}(2N+1336)) + B_{\bar{N}}(2N+1337-B_{\bar{N}}(2N+1335)) + B_{\bar{N}}(2N+1337-B_{\bar{N}}(2N+1334))$$

$$= B_{\bar{N}}(2N+1337-(2N-1095)) + B_{\bar{N}}(2N+1337-(N+1956)) + B_{\bar{N}}(2N+1337-(2N+1195))$$

$$= B_{\bar{N}}(2432) + B_{\bar{N}}(N-619) + B_{\bar{N}}(142) = 2432 + (N-619) + 142 = N + 1955$$

$$(N \ge 2432)$$

$$B_{\bar{N}}(2N+1338) = B_{\bar{N}}(2N+1338-B_{\bar{N}}(2N+1337)) + B_{\bar{N}}(2N+1338-B_{\bar{N}}(2N+1336)) + B_{\bar{N}}(2N+1338-B_{\bar{N}}(2N+1335))$$

$$= B_{\bar{N}}(2N+1338-(N+1955)) + B_{\bar{N}}(2N+1338-(2N-1095)) + B_{\bar{N}}(2N+1338-(N+1956))$$

$$= B_{\bar{N}}(N-617) + B_{\bar{N}}(2433) + B_{\bar{N}}(N-618) = (N-617) + 2433 + (N-618) = 2N+1198$$

$$(N \ge 2433)$$

$$B_{\bar{N}}(2N+1339) = B_{\bar{N}}(2N+1339 - B_{\bar{N}}(2N+1338)) + B_{\bar{N}}(2N+1339 - B_{\bar{N}}(2N+1337)) + B_{\bar{N}}(2N+1339 - B_{\bar{N}}(2N+1339)) + B_{\bar{N}}(2N+1339 - (N+1955)) + B_{\bar{N}}(2N+1$$

$$B_{\bar{N}}(2N+1340) = B_{\bar{N}}(2N+1340 - B_{\bar{N}}(2N+1339)) + B_{\bar{N}}(2N+1340 - B_{\bar{N}}(2N+1338)) + B_{\bar{N}}(2N+1340 - B_{\bar{N}}(2N+1337))$$

$$= B_{\bar{N}}(2N+1340 - (N+1959)) + B_{\bar{N}}(2N+1340 - (2N+1198)) + B_{\bar{N}}(2N+1340 - (N+1955))$$

$$= B_{\bar{N}}(N-619) + B_{\bar{N}}(142) + B_{\bar{N}}(N-615) = (N-619) + 142 + (N-615) = 2N-1092$$

$$(N \ge 620)$$

$$B_{\bar{N}}(2N+1341) = B_{\bar{N}}(2N+1341-B_{\bar{N}}(2N+1340)) + B_{\bar{N}}(2N+1341-B_{\bar{N}}(2N+1339)) + B_{\bar{N}}(2N+1341-B_{\bar{N}}(2N+1338))$$

$$= B_{\bar{N}}(2N+1341-(2N-1092)) + B_{\bar{N}}(2N+1341-(N+1959)) + B_{\bar{N}}(2N+1341-(2N+1198))$$

$$= B_{\bar{N}}(2433) + B_{\bar{N}}(N-618) + B_{\bar{N}}(143) = 2433 + (N-618) + 143 = N + 1958$$

$$(N \ge 2433)$$

$$B_{\bar{N}}(2N+1342) = B_{\bar{N}}(2N+1342-B_{\bar{N}}(2N+1341)) + B_{\bar{N}}(2N+1342-B_{\bar{N}}(2N+1340)) + B_{\bar{N}}(2N+1342-B_{\bar{N}}(2N+1339))$$

$$= B_{\bar{N}}(2N+1342-(N+1958)) + B_{\bar{N}}(2N+1342-(2N-1092)) + B_{\bar{N}}(2N+1342-(N+1959))$$

$$= B_{\bar{N}}(N-616) + B_{\bar{N}}(2434) + B_{\bar{N}}(N-617) = (N-616) + 2434 + (N-617) = 2N+1201$$

$$(N \ge 2434)$$

$$B_{\bar{N}}(2N+1343) = B_{\bar{N}}(2N+1343-B_{\bar{N}}(2N+1342)) + B_{\bar{N}}(2N+1343-B_{\bar{N}}(2N+1341)) + B_{\bar{N}}(2N+1343-B_{\bar{N}}(2N+1340))$$

$$= B_{\bar{N}}(2N+1343-(2N+1201)) + B_{\bar{N}}(2N+1343-(N+1958)) + B_{\bar{N}}(2N+1343-(2N-1092))$$

$$= B_{\bar{N}}(142) + B_{\bar{N}}(N-615) + B_{\bar{N}}(2435) = 142 + (N-615) + 2435 = N + 1962$$

$$(N \ge 2435)$$

$$B_{\bar{N}}(2N+1344) = B_{\bar{N}}(2N+1344-B_{\bar{N}}(2N+1343)) + B_{\bar{N}}(2N+1344-B_{\bar{N}}(2N+1342)) + B_{\bar{N}}(2N+1344-B_{\bar{N}}(2N+1341))$$

$$= B_{\bar{N}}(2N+1344-(N+1962)) + B_{\bar{N}}(2N+1344-(2N+1201)) + B_{\bar{N}}(2N+1344-(N+1958))$$

$$= B_{\bar{N}}(N-618) + B_{\bar{N}}(143) + B_{\bar{N}}(N-614) = (N-618) + 143 + (N-614) = 2N-1089$$

$$(N \ge 619)$$

$$B_{\bar{N}}(2N+1345) = B_{\bar{N}}(2N+1345-B_{\bar{N}}(2N+1344)) + B_{\bar{N}}(2N+1345-B_{\bar{N}}(2N+1343)) + B_{\bar{N}}(2N+1345-B_{\bar{N}}(2N+1342))$$

$$= B_{\bar{N}}(2N+1345-(2N-1089)) + B_{\bar{N}}(2N+1345-(N+1962)) + B_{\bar{N}}(2N+1345-(2N+1201))$$

$$= B_{\bar{N}}(2434) + B_{\bar{N}}(N-617) + B_{\bar{N}}(144) = 2434 + (N-617) + 144 = N + 1961$$

$$(N \ge 2434)$$

$$B_{\bar{N}}(2N+1346) = B_{\bar{N}}(2N+1346-B_{\bar{N}}(2N+1345)) + B_{\bar{N}}(2N+1346-B_{\bar{N}}(2N+1344)) + B_{\bar{N}}(2N+1346-B_{\bar{N}}(2N+1343))$$

$$= B_{\bar{N}}(2N+1346-(N+1961)) + B_{\bar{N}}(2N+1346-(2N-1089)) + B_{\bar{N}}(2N+1346-(N+1962))$$

$$= B_{\bar{N}}(N-615) + B_{\bar{N}}(2435) + B_{\bar{N}}(N-616) = (N-615) + 2435 + (N-616) = 2N+1204$$

$$(N > 2435)$$

$$B_{\bar{N}}(2N+1347) = B_{\bar{N}}(2N+1347-B_{\bar{N}}(2N+1346)) + B_{\bar{N}}(2N+1347-B_{\bar{N}}(2N+1345)) + B_{\bar{N}}(2N+1347-B_{\bar{N}}(2N+1344))$$

$$= B_{\bar{N}}(2N+1347-(2N+1204)) + B_{\bar{N}}(2N+1347-(N+1961)) + B_{\bar{N}}(2N+1347-(2N-1089))$$

$$= B_{\bar{N}}(143) + B_{\bar{N}}(N-614) + B_{\bar{N}}(2436) = 143 + (N-614) + 2436 = N+1965$$

$$(N \ge 2436)$$

$$B_{\bar{N}}(2N+1348) = B_{\bar{N}}(2N+1348-B_{\bar{N}}(2N+1347)) + B_{\bar{N}}(2N+1348-B_{\bar{N}}(2N+1346)) + B_{\bar{N}}(2N+1348-B_{\bar{N}}(2N+1345))$$

$$= B_{\bar{N}}(2N+1348-(N+1965)) + B_{\bar{N}}(2N+1348-(2N+1204)) + B_{\bar{N}}(2N+1348-(N+1961))$$

$$= B_{\bar{N}}(N-617) + B_{\bar{N}}(144) + B_{\bar{N}}(N-613) = (N-617) + 144 + (N-613) = 2N - 1086$$

$$(N \ge 618)$$

$$B_{\bar{N}}(2N+1349) = B_{\bar{N}}(2N+1349 - B_{\bar{N}}(2N+1348)) + B_{\bar{N}}(2N+1349 - B_{\bar{N}}(2N+1347)) + B_{\bar{N}}(2N+1349 - B_{\bar{N}}(2N+1346))$$

$$= B_{\bar{N}}(2N+1349 - (2N-1086)) + B_{\bar{N}}(2N+1349 - (N+1965)) + B_{\bar{N}}(2N+1349 - (2N+1204))$$

$$= B_{\bar{N}}(2435) + B_{\bar{N}}(N-616) + B_{\bar{N}}(145) = 2435 + (N-616) + 145 = N + 1964$$

$$(N \ge 2435)$$

$$B_{\bar{N}}(2N+1350) = B_{\bar{N}}(2N+1350-B_{\bar{N}}(2N+1349)) + B_{\bar{N}}(2N+1350-B_{\bar{N}}(2N+1348)) + B_{\bar{N}}(2N+1350-B_{\bar{N}}(2N+1347))$$

$$= B_{\bar{N}}(2N+1350-(N+1964)) + B_{\bar{N}}(2N+1350-(2N-1086)) + B_{\bar{N}}(2N+1350-(N+1965))$$

$$= B_{\bar{N}}(N-614) + B_{\bar{N}}(2436) + B_{\bar{N}}(N-615) = (N-614) + 2436 + (N-615) = 2N+1207$$

$$(N \ge 2436)$$

$$B_{\bar{N}}(2N+1351) = B_{\bar{N}}(2N+1351-B_{\bar{N}}(2N+1350)) + B_{\bar{N}}(2N+1351-B_{\bar{N}}(2N+1349)) + B_{\bar{N}}(2N+1351-B_{\bar{N}}(2N+1348))$$

$$= B_{\bar{N}}(2N+1351-(2N+1207)) + B_{\bar{N}}(2N+1351-(N+1964)) + B_{\bar{N}}(2N+1351-(2N-1086))$$

$$= B_{\bar{N}}(144) + B_{\bar{N}}(N-613) + B_{\bar{N}}(2437) = 144 + (N-613) + 2437 = N + 1968$$

$$(N \ge 2437)$$

$$B_{\bar{N}}(2N+1352) = B_{\bar{N}}(2N+1352-B_{\bar{N}}(2N+1351)) + B_{\bar{N}}(2N+1352-B_{\bar{N}}(2N+1350)) + B_{\bar{N}}(2N+1352-B_{\bar{N}}(2N+1349))$$

$$= B_{\bar{N}}(2N+1352-(N+1968)) + B_{\bar{N}}(2N+1352-(2N+1207)) + B_{\bar{N}}(2N+1352-(N+1964))$$

$$= B_{\bar{N}}(N-616) + B_{\bar{N}}(145) + B_{\bar{N}}(N-612) = (N-616) + 145 + (N-612) = 2N-1083$$

$$(N \ge 617)$$

$$B_{\bar{N}}(2N+1353) = B_{\bar{N}}(2N+1353-B_{\bar{N}}(2N+1352)) + B_{\bar{N}}(2N+1353-B_{\bar{N}}(2N+1351)) + B_{\bar{N}}(2N+1353-B_{\bar{N}}(2N+1350))$$

$$= B_{\bar{N}}(2N+1353-(2N-1083)) + B_{\bar{N}}(2N+1353-(N+1968)) + B_{\bar{N}}(2N+1353-(2N+1207))$$

$$= B_{\bar{N}}(2436) + B_{\bar{N}}(N-615) + B_{\bar{N}}(146) = 2436 + (N-615) + 146 = N+1967$$

$$(N \ge 2436)$$

$$B_{\bar{N}}(2N+1354) = B_{\bar{N}}(2N+1354-B_{\bar{N}}(2N+1353)) + B_{\bar{N}}(2N+1354-B_{\bar{N}}(2N+1352)) + B_{\bar{N}}(2N+1354-B_{\bar{N}}(2N+1351))$$

$$= B_{\bar{N}}(2N+1354-(N+1967)) + B_{\bar{N}}(2N+1354-(2N-1083)) + B_{\bar{N}}(2N+1354-(N+1968))$$

$$= B_{\bar{N}}(N-613) + B_{\bar{N}}(2437) + B_{\bar{N}}(N-614) = (N-613) + 2437 + (N-614) = 2N+1210$$

$$(N \ge 2437)$$

$$B_{\bar{N}}(2N+1355) = B_{\bar{N}}(2N+1355-B_{\bar{N}}(2N+1354)) + B_{\bar{N}}(2N+1355-B_{\bar{N}}(2N+1353)) + B_{\bar{N}}(2N+1355-B_{\bar{N}}(2N+1352))$$

$$= B_{\bar{N}}(2N+1355-(2N+1210)) + B_{\bar{N}}(2N+1355-(N+1967)) + B_{\bar{N}}(2N+1355-(2N-1083))$$

$$= B_{\bar{N}}(145) + B_{\bar{N}}(N-612) + B_{\bar{N}}(2438) = 145 + (N-612) + 2438 = N+1971$$

$$(N \ge 2438)$$

$$B_{\bar{N}}(2N+1356) = B_{\bar{N}}(2N+1356-B_{\bar{N}}(2N+1355)) + B_{\bar{N}}(2N+1356-B_{\bar{N}}(2N+1354)) + B_{\bar{N}}(2N+1356-B_{\bar{N}}(2N+1353))$$

$$= B_{\bar{N}}(2N+1356-(N+1971)) + B_{\bar{N}}(2N+1356-(2N+1210)) + B_{\bar{N}}(2N+1356-(N+1967))$$

$$= B_{\bar{N}}(N-615) + B_{\bar{N}}(146) + B_{\bar{N}}(N-611) = (N-615) + 146 + (N-611) = 2N-1080$$

$$(N \ge 616)$$

$$B_{\bar{N}}(2N+1357) = B_{\bar{N}}(2N+1357-B_{\bar{N}}(2N+1356)) + B_{\bar{N}}(2N+1357-B_{\bar{N}}(2N+1355)) + B_{\bar{N}}(2N+1357-B_{\bar{N}}(2N+1354))$$

$$= B_{\bar{N}}(2N+1357-(2N-1080)) + B_{\bar{N}}(2N+1357-(N+1971)) + B_{\bar{N}}(2N+1357-(2N+1210))$$

$$= B_{\bar{N}}(2437) + B_{\bar{N}}(N-614) + B_{\bar{N}}(147) = 2437 + (N-614) + 147 = N + 1970$$

$$(N \ge 2437)$$

$$B_{\bar{N}}(2N+1358) = B_{\bar{N}}(2N+1358-B_{\bar{N}}(2N+1357)) + B_{\bar{N}}(2N+1358-B_{\bar{N}}(2N+1356)) + B_{\bar{N}}(2N+1358-B_{\bar{N}}(2N+1355))$$

$$= B_{\bar{N}}(2N+1358-(N+1970)) + B_{\bar{N}}(2N+1358-(2N-1080)) + B_{\bar{N}}(2N+1358-(N+1971))$$

$$= B_{\bar{N}}(N-612) + B_{\bar{N}}(2438) + B_{\bar{N}}(N-613) = (N-612) + 2438 + (N-613) = 2N+1213$$

$$(N \ge 2438)$$

$$B_{\bar{N}}(2N+1359) = B_{\bar{N}}(2N+1359 - B_{\bar{N}}(2N+1358)) + B_{\bar{N}}(2N+1359 - B_{\bar{N}}(2N+1357)) + B_{\bar{N}}(2N+1359 - B_{\bar{N}}(2N+1359))$$

$$= B_{\bar{N}}(2N+1359 - (2N+1213)) + B_{\bar{N}}(2N+1359 - (N+1970)) + B_{\bar{N}}(2N+1359 - (2N-1080))$$

$$= B_{\bar{N}}(146) + B_{\bar{N}}(N-611) + B_{\bar{N}}(2439) = 146 + (N-611) + 2439 = N + 1974$$

$$(N \ge 2439)$$

$$B_{\bar{N}}(2N+1360) = B_{\bar{N}}(2N+1360-B_{\bar{N}}(2N+1359)) + B_{\bar{N}}(2N+1360-B_{\bar{N}}(2N+1358)) + B_{\bar{N}}(2N+1360-B_{\bar{N}}(2N+1357))$$

$$= B_{\bar{N}}(2N+1360-(N+1974)) + B_{\bar{N}}(2N+1360-(2N+1213)) + B_{\bar{N}}(2N+1360-(N+1970))$$

$$= B_{\bar{N}}(N-614) + B_{\bar{N}}(147) + B_{\bar{N}}(N-610) = (N-614) + 147 + (N-610) = 2N-1077$$

$$(N \ge 615)$$

$$B_{\bar{N}}(2N+1361) = B_{\bar{N}}(2N+1361-B_{\bar{N}}(2N+1360)) + B_{\bar{N}}(2N+1361-B_{\bar{N}}(2N+1359)) + B_{\bar{N}}(2N+1361-B_{\bar{N}}(2N+1358))$$

$$= B_{\bar{N}}(2N+1361-(2N-1077)) + B_{\bar{N}}(2N+1361-(N+1974)) + B_{\bar{N}}(2N+1361-(2N+1213))$$

$$= B_{\bar{N}}(2438) + B_{\bar{N}}(N-613) + B_{\bar{N}}(148) = 2438 + (N-613) + 148 = N + 1973$$

$$(N \ge 2438)$$

$$B_{\bar{N}}(2N+1362) = B_{\bar{N}}(2N+1362-B_{\bar{N}}(2N+1361)) + B_{\bar{N}}(2N+1362-B_{\bar{N}}(2N+1360)) + B_{\bar{N}}(2N+1362-B_{\bar{N}}(2N+1359))$$

$$= B_{\bar{N}}(2N+1362-(N+1973)) + B_{\bar{N}}(2N+1362-(2N-1077)) + B_{\bar{N}}(2N+1362-(N+1974))$$

$$= B_{\bar{N}}(N-611) + B_{\bar{N}}(2439) + B_{\bar{N}}(N-612) = (N-611) + 2439 + (N-612) = 2N+1216$$

$$(N \ge 2439)$$

$$B_{\bar{N}}(2N+1363) = B_{\bar{N}}(2N+1363-B_{\bar{N}}(2N+1362)) + B_{\bar{N}}(2N+1363-B_{\bar{N}}(2N+1361)) + B_{\bar{N}}(2N+1363-B_{\bar{N}}(2N+1360))$$

$$= B_{\bar{N}}(2N+1363-(2N+1216)) + B_{\bar{N}}(2N+1363-(N+1973)) + B_{\bar{N}}(2N+1363-(2N-1077))$$

$$= B_{\bar{N}}(147) + B_{\bar{N}}(N-610) + B_{\bar{N}}(2440) = 147 + (N-610) + 2440 = N + 1977$$

$$(N \ge 2440)$$

$$B_{\bar{N}}(2N+1364) = B_{\bar{N}}(2N+1364-B_{\bar{N}}(2N+1363)) + B_{\bar{N}}(2N+1364-B_{\bar{N}}(2N+1362)) + B_{\bar{N}}(2N+1364-B_{\bar{N}}(2N+1361))$$

$$= B_{\bar{N}}(2N+1364-(N+1977)) + B_{\bar{N}}(2N+1364-(2N+1216)) + B_{\bar{N}}(2N+1364-(N+1973))$$

$$= B_{\bar{N}}(N-613) + B_{\bar{N}}(148) + B_{\bar{N}}(N-609) = (N-613) + 148 + (N-609) = 2N-1074$$

$$(N \ge 614)$$

$$B_{\bar{N}}(2N+1365) = B_{\bar{N}}(2N+1365-B_{\bar{N}}(2N+1364)) + B_{\bar{N}}(2N+1365-B_{\bar{N}}(2N+1363)) + B_{\bar{N}}(2N+1365-B_{\bar{N}}(2N+1362))$$

$$= B_{\bar{N}}(2N+1365-(2N-1074)) + B_{\bar{N}}(2N+1365-(N+1977)) + B_{\bar{N}}(2N+1365-(2N+1216))$$

$$= B_{\bar{N}}(2439) + B_{\bar{N}}(N-612) + B_{\bar{N}}(149) = 2439 + (N-612) + 149 = N + 1976$$

$$(N \ge 2439)$$

$$B_{\bar{N}}(2N+1366) = B_{\bar{N}}(2N+1366-B_{\bar{N}}(2N+1365)) + B_{\bar{N}}(2N+1366-B_{\bar{N}}(2N+1364)) + B_{\bar{N}}(2N+1366-B_{\bar{N}}(2N+1363))$$

$$= B_{\bar{N}}(2N+1366-(N+1976)) + B_{\bar{N}}(2N+1366-(2N-1074)) + B_{\bar{N}}(2N+1366-(N+1977))$$

$$= B_{\bar{N}}(N-610) + B_{\bar{N}}(2440) + B_{\bar{N}}(N-611) = (N-610) + 2440 + (N-611) = 2N+1219$$

$$(N > 2440)$$

$$B_{\bar{N}}(2N+1367) = B_{\bar{N}}(2N+1367-B_{\bar{N}}(2N+1366)) + B_{\bar{N}}(2N+1367-B_{\bar{N}}(2N+1365)) + B_{\bar{N}}(2N+1367-B_{\bar{N}}(2N+1364))$$

$$= B_{\bar{N}}(2N+1367-(2N+1219)) + B_{\bar{N}}(2N+1367-(N+1976)) + B_{\bar{N}}(2N+1367-(2N-1074))$$

$$= B_{\bar{N}}(148) + B_{\bar{N}}(N-609) + B_{\bar{N}}(2441) = 148 + (N-609) + 2441 = N + 1980$$

$$(N \ge 2441)$$

$$B_{\bar{N}}(2N+1368) = B_{\bar{N}}(2N+1368-B_{\bar{N}}(2N+1367)) + B_{\bar{N}}(2N+1368-B_{\bar{N}}(2N+1366)) + B_{\bar{N}}(2N+1368-B_{\bar{N}}(2N+1365))$$

$$= B_{\bar{N}}(2N+1368-(N+1980)) + B_{\bar{N}}(2N+1368-(2N+1219)) + B_{\bar{N}}(2N+1368-(N+1976))$$

$$= B_{\bar{N}}(N-612) + B_{\bar{N}}(149) + B_{\bar{N}}(N-608) = (N-612) + 149 + (N-608) = 2N-1071$$

$$(N \ge 613)$$

$$B_{\bar{N}}(2N+1369) = B_{\bar{N}}(2N+1369 - B_{\bar{N}}(2N+1368)) + B_{\bar{N}}(2N+1369 - B_{\bar{N}}(2N+1367)) + B_{\bar{N}}(2N+1369 - B_{\bar{N}}(2N+1369))$$

$$= B_{\bar{N}}(2N+1369 - (2N-1071)) + B_{\bar{N}}(2N+1369 - (N+1980)) + B_{\bar{N}}(2N+1369 - (2N+1219))$$

$$= B_{\bar{N}}(2440) + B_{\bar{N}}(N-611) + B_{\bar{N}}(150) = 2440 + (N-611) + 150 = N+1979$$

$$(N \ge 2440)$$

$$B_{\bar{N}}(2N+1370) = B_{\bar{N}}(2N+1370 - B_{\bar{N}}(2N+1369)) + B_{\bar{N}}(2N+1370 - B_{\bar{N}}(2N+1368)) + B_{\bar{N}}(2N+1370 - B_{\bar{N}}(2N+1367))$$

$$= B_{\bar{N}}(2N+1370 - (N+1979)) + B_{\bar{N}}(2N+1370 - (2N-1071)) + B_{\bar{N}}(2N+1370 - (N+1980))$$

$$= B_{\bar{N}}(N-609) + B_{\bar{N}}(2441) + B_{\bar{N}}(N-610) = (N-609) + 2441 + (N-610) = 2N+1222$$

$$(N \ge 2441)$$

$$B_{\bar{N}}(2N+1371) = B_{\bar{N}}(2N+1371-B_{\bar{N}}(2N+1370)) + B_{\bar{N}}(2N+1371-B_{\bar{N}}(2N+1369)) + B_{\bar{N}}(2N+1371-B_{\bar{N}}(2N+1368))$$

$$= B_{\bar{N}}(2N+1371-(2N+1222)) + B_{\bar{N}}(2N+1371-(N+1979)) + B_{\bar{N}}(2N+1371-(2N-1071))$$

$$= B_{\bar{N}}(149) + B_{\bar{N}}(N-608) + B_{\bar{N}}(2442) = 149 + (N-608) + 2442 = N + 1983$$

$$(N > 2442)$$

$$B_{\bar{N}}(2N+1372) = B_{\bar{N}}(2N+1372 - B_{\bar{N}}(2N+1371)) + B_{\bar{N}}(2N+1372 - B_{\bar{N}}(2N+1370)) + B_{\bar{N}}(2N+1372 - B_{\bar{N}}(2N+1369))$$

$$= B_{\bar{N}}(2N+1372 - (N+1983)) + B_{\bar{N}}(2N+1372 - (2N+1222)) + B_{\bar{N}}(2N+1372 - (N+1979))$$

$$= B_{\bar{N}}(N-611) + B_{\bar{N}}(150) + B_{\bar{N}}(N-607) = (N-611) + 150 + (N-607) = 2N - 1068$$

$$(N \ge 612)$$

$$B_{\bar{N}}(2N+1373) = B_{\bar{N}}(2N+1373-B_{\bar{N}}(2N+1372)) + B_{\bar{N}}(2N+1373-B_{\bar{N}}(2N+1371)) + B_{\bar{N}}(2N+1373-B_{\bar{N}}(2N+1370))$$

$$= B_{\bar{N}}(2N+1373-(2N-1068)) + B_{\bar{N}}(2N+1373-(N+1983)) + B_{\bar{N}}(2N+1373-(2N+1222))$$

$$= B_{\bar{N}}(2441) + B_{\bar{N}}(N-610) + B_{\bar{N}}(151) = 2441 + (N-610) + 151 = N + 1982$$

$$(N \ge 2441)$$

$$B_{\bar{N}}(2N+1374) = B_{\bar{N}}(2N+1374 - B_{\bar{N}}(2N+1373)) + B_{\bar{N}}(2N+1374 - B_{\bar{N}}(2N+1372)) + B_{\bar{N}}(2N+1374 - B_{\bar{N}}(2N+1371))$$

$$= B_{\bar{N}}(2N+1374 - (N+1982)) + B_{\bar{N}}(2N+1374 - (2N-1068)) + B_{\bar{N}}(2N+1374 - (N+1983))$$

$$= B_{\bar{N}}(N-608) + B_{\bar{N}}(2442) + B_{\bar{N}}(N-609) = (N-608) + 2442 + (N-609) = 2N+1225$$

$$(N \ge 2442)$$

$$B_{\bar{N}}(2N+1375) = B_{\bar{N}}(2N+1375 - B_{\bar{N}}(2N+1374)) + B_{\bar{N}}(2N+1375 - B_{\bar{N}}(2N+1373)) + B_{\bar{N}}(2N+1375 - B_{\bar{N}}(2N+1372))$$

$$= B_{\bar{N}}(2N+1375 - (2N+1225)) + B_{\bar{N}}(2N+1375 - (N+1982)) + B_{\bar{N}}(2N+1375 - (2N-1068))$$

$$= B_{\bar{N}}(150) + B_{\bar{N}}(N-607) + B_{\bar{N}}(2443) = 150 + (N-607) + 2443 = N + 1986$$

$$(N \ge 2443)$$

$$B_{\bar{N}}(2N+1376) = B_{\bar{N}}(2N+1376-B_{\bar{N}}(2N+1375)) + B_{\bar{N}}(2N+1376-B_{\bar{N}}(2N+1374)) + B_{\bar{N}}(2N+1376-B_{\bar{N}}(2N+1373))$$

$$= B_{\bar{N}}(2N+1376-(N+1986)) + B_{\bar{N}}(2N+1376-(2N+1225)) + B_{\bar{N}}(2N+1376-(N+1982))$$

$$= B_{\bar{N}}(N-610) + B_{\bar{N}}(151) + B_{\bar{N}}(N-606) = (N-610) + 151 + (N-606) = 2N-1065$$

$$(N > 611)$$

$$B_{\bar{N}}(2N+1377) = B_{\bar{N}}(2N+1377 - B_{\bar{N}}(2N+1376)) + B_{\bar{N}}(2N+1377 - B_{\bar{N}}(2N+1375)) + B_{\bar{N}}(2N+1377 - B_{\bar{N}}(2N+1374))$$

$$= B_{\bar{N}}(2N+1377 - (2N-1065)) + B_{\bar{N}}(2N+1377 - (N+1986)) + B_{\bar{N}}(2N+1377 - (2N+1225))$$

$$= B_{\bar{N}}(2442) + B_{\bar{N}}(N-609) + B_{\bar{N}}(152) = 2442 + (N-609) + 152 = N + 1985$$

$$(N \ge 2442)$$

$$B_{\bar{N}}(2N+1378) = B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1377)) + B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1376)) + B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2N+1378-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1379) = B_{\bar{N}}(2N+1379 - B_{\bar{N}}(2N+1378)) + B_{\bar{N}}(2N+1379 - B_{\bar{N}}(2N+1377)) + B_{\bar{N}}(2N+1379 - B_{\bar{N}}(2N+1376))$$

$$= B_{\bar{N}}(2N+1379 - (2N+1228)) + B_{\bar{N}}(2N+1379 - (N+1985)) + B_{\bar{N}}(2N+1379 - (2N-1065))$$

$$= B_{\bar{N}}(151) + B_{\bar{N}}(N-606) + B_{\bar{N}}(2444) = 151 + (N-606) + 2444 = N + 1989$$

$$(N \ge 2444)$$

$$B_{\bar{N}}(2N+1380) = B_{\bar{N}}(2N+1380 - B_{\bar{N}}(2N+1379)) + B_{\bar{N}}(2N+1380 - B_{\bar{N}}(2N+1378)) + B_{\bar{N}}(2N+1380 - B_{\bar{N}}(2N+1377))$$

$$= B_{\bar{N}}(2N+1380 - (N+1989)) + B_{\bar{N}}(2N+1380 - (2N+1228)) + B_{\bar{N}}(2N+1380 - (N+1985))$$

$$= B_{\bar{N}}(N-609) + B_{\bar{N}}(152) + B_{\bar{N}}(N-605) = (N-609) + 152 + (N-605) = 2N - 1062$$

$$(N \ge 610)$$

$$B_{\bar{N}}(2N+1381) = B_{\bar{N}}(2N+1381-B_{\bar{N}}(2N+1380)) + B_{\bar{N}}(2N+1381-B_{\bar{N}}(2N+1379)) + B_{\bar{N}}(2N+1381-B_{\bar{N}}(2N+1378))$$

$$= B_{\bar{N}}(2N+1381-(2N-1062)) + B_{\bar{N}}(2N+1381-(N+1989)) + B_{\bar{N}}(2N+1381-(2N+1228))$$

$$= B_{\bar{N}}(2443) + B_{\bar{N}}(N-608) + B_{\bar{N}}(153) = 2443 + (N-608) + 153 = N + 1988$$

$$(N \ge 2443)$$

$$B_{\bar{N}}(2N+1382) = B_{\bar{N}}(2N+1382-B_{\bar{N}}(2N+1381)) + B_{\bar{N}}(2N+1382-B_{\bar{N}}(2N+1380)) + B_{\bar{N}}(2N+1382-B_{\bar{N}}(2N+1379))$$

$$= B_{\bar{N}}(2N+1382-(N+1988)) + B_{\bar{N}}(2N+1382-(2N-1062)) + B_{\bar{N}}(2N+1382-(N+1989))$$

$$= B_{\bar{N}}(N-606) + B_{\bar{N}}(2444) + B_{\bar{N}}(N-607) = (N-606) + 2444 + (N-607) = 2N+1231$$

$$(N \ge 2444)$$

$$B_{\bar{N}}(2N+1383) = B_{\bar{N}}(2N+1383-B_{\bar{N}}(2N+1382)) + B_{\bar{N}}(2N+1383-B_{\bar{N}}(2N+1381)) + B_{\bar{N}}(2N+1383-B_{\bar{N}}(2N+1380))$$

$$= B_{\bar{N}}(2N+1383-(2N+1231)) + B_{\bar{N}}(2N+1383-(N+1988)) + B_{\bar{N}}(2N+1383-(2N-1062))$$

$$= B_{\bar{N}}(152) + B_{\bar{N}}(N-605) + B_{\bar{N}}(2445) = 152 + (N-605) + 2445 = N+1992$$

$$(N \ge 2445)$$

$$B_{\bar{N}}(2N+1384) = B_{\bar{N}}(2N+1384-B_{\bar{N}}(2N+1383)) + B_{\bar{N}}(2N+1384-B_{\bar{N}}(2N+1382)) + B_{\bar{N}}(2N+1384-B_{\bar{N}}(2N+1381))$$

$$= B_{\bar{N}}(2N+1384-(N+1992)) + B_{\bar{N}}(2N+1384-(2N+1231)) + B_{\bar{N}}(2N+1384-(N+1988))$$

$$= B_{\bar{N}}(N-608) + B_{\bar{N}}(153) + B_{\bar{N}}(N-604) = (N-608) + 153 + (N-604) = 2N-1059$$

$$(N \ge 609)$$

$$B_{\bar{N}}(2N+1385) = B_{\bar{N}}(2N+1385-B_{\bar{N}}(2N+1384)) + B_{\bar{N}}(2N+1385-B_{\bar{N}}(2N+1383)) + B_{\bar{N}}(2N+1385-B_{\bar{N}}(2N+1382))$$

$$= B_{\bar{N}}(2N+1385-(2N-1059)) + B_{\bar{N}}(2N+1385-(N+1992)) + B_{\bar{N}}(2N+1385-(2N+1231))$$

$$= B_{\bar{N}}(2444) + B_{\bar{N}}(N-607) + B_{\bar{N}}(154) = 2444 + (N-607) + 154 = N + 1991$$

$$(N \ge 2444)$$

$$B_{\bar{N}}(2N+1386) = B_{\bar{N}}(2N+1386-B_{\bar{N}}(2N+1385)) + B_{\bar{N}}(2N+1386-B_{\bar{N}}(2N+1384)) + B_{\bar{N}}(2N+1386-B_{\bar{N}}(2N+1383))$$

$$= B_{\bar{N}}(2N+1386-(N+1991)) + B_{\bar{N}}(2N+1386-(2N-1059)) + B_{\bar{N}}(2N+1386-(N+1992))$$

$$= B_{\bar{N}}(N-605) + B_{\bar{N}}(2445) + B_{\bar{N}}(N-606) = (N-605) + 2445 + (N-606) = 2N+1234$$

$$(N \ge 2445)$$

$$B_{\bar{N}}(2N+1387) = B_{\bar{N}}(2N+1387-B_{\bar{N}}(2N+1386)) + B_{\bar{N}}(2N+1387-B_{\bar{N}}(2N+1385)) + B_{\bar{N}}(2N+1387-B_{\bar{N}}(2N+1384))$$

$$= B_{\bar{N}}(2N+1387-(2N+1234)) + B_{\bar{N}}(2N+1387-(N+1991)) + B_{\bar{N}}(2N+1387-(2N-1059))$$

$$= B_{\bar{N}}(153) + B_{\bar{N}}(N-604) + B_{\bar{N}}(2446) = 153 + (N-604) + 2446 = N+1995$$

$$(N \ge 2446)$$

$$B_{\bar{N}}(2N+1388) = B_{\bar{N}}(2N+1388-B_{\bar{N}}(2N+1387)) + B_{\bar{N}}(2N+1388-B_{\bar{N}}(2N+1386)) + B_{\bar{N}}(2N+1388-B_{\bar{N}}(2N+1385))$$

$$= B_{\bar{N}}(2N+1388-(N+1995)) + B_{\bar{N}}(2N+1388-(2N+1234)) + B_{\bar{N}}(2N+1388-(N+1991))$$

$$= B_{\bar{N}}(N-607) + B_{\bar{N}}(154) + B_{\bar{N}}(N-603) = (N-607) + 154 + (N-603) = 2N-1056$$

$$(N \ge 608)$$

$$B_{\bar{N}}(2N+1389) = B_{\bar{N}}(2N+1389 - B_{\bar{N}}(2N+1388)) + B_{\bar{N}}(2N+1389 - B_{\bar{N}}(2N+1387)) + B_{\bar{N}}(2N+1389 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1390) = B_{\bar{N}}(2N+1390 - B_{\bar{N}}(2N+1389)) + B_{\bar{N}}(2N+1390 - B_{\bar{N}}(2N+1388)) + B_{\bar{N}}(2N+1390 - B_{\bar{N}}(2N+1387))$$

$$= B_{\bar{N}}(2N+1390 - (N+1994)) + B_{\bar{N}}(2N+1390 - (2N-1056)) + B_{\bar{N}}(2N+1390 - (N+1995))$$

$$= B_{\bar{N}}(N-604) + B_{\bar{N}}(2446) + B_{\bar{N}}(N-605) = (N-604) + 2446 + (N-605) = 2N+1237$$

$$(N \ge 2446)$$

$$\begin{split} B_{\bar{N}}(2N+1391) &= B_{\bar{N}}(2N+1391-B_{\bar{N}}(2N+1390)) + B_{\bar{N}}(2N+1391-B_{\bar{N}}(2N+1389)) + B_{\bar{N}}(2N+1391-B_{\bar{N}}(2N+1388)) \\ &= B_{\bar{N}}(2N+1391-(2N+1237)) + B_{\bar{N}}(2N+1391-(N+1994)) + B_{\bar{N}}(2N+1391-(2N-1056)) \\ &= B_{\bar{N}}(154) + B_{\bar{N}}(N-603) + B_{\bar{N}}(2447) = 154 + (N-603) + 2447 = N + 1998 \\ &(N > 2447) \end{split}$$

$$B_{\bar{N}}(2N+1392) = B_{\bar{N}}(2N+1392-B_{\bar{N}}(2N+1391)) + B_{\bar{N}}(2N+1392-B_{\bar{N}}(2N+1390)) + B_{\bar{N}}(2N+1392-B_{\bar{N}}(2N+1389))$$

$$= B_{\bar{N}}(2N+1392-(N+1998)) + B_{\bar{N}}(2N+1392-(2N+1237)) + B_{\bar{N}}(2N+1392-(N+1994))$$

$$= B_{\bar{N}}(N-606) + B_{\bar{N}}(155) + B_{\bar{N}}(N-602) = (N-606) + 155 + (N-602) = 2N-1053$$

$$(N \ge 607)$$

$$B_{\bar{N}}(2N+1393) = B_{\bar{N}}(2N+1393-B_{\bar{N}}(2N+1392)) + B_{\bar{N}}(2N+1393-B_{\bar{N}}(2N+1391)) + B_{\bar{N}}(2N+1393-B_{\bar{N}}(2N+1390))$$

$$= B_{\bar{N}}(2N+1393-(2N-1053)) + B_{\bar{N}}(2N+1393-(N+1998)) + B_{\bar{N}}(2N+1393-(2N+1237))$$

$$= B_{\bar{N}}(2446) + B_{\bar{N}}(N-605) + B_{\bar{N}}(156) = 2446 + (N-605) + 156 = N+1997$$

$$(N \ge 2446)$$

$$B_{\bar{N}}(2N+1394) = B_{\bar{N}}(2N+1394-B_{\bar{N}}(2N+1393)) + B_{\bar{N}}(2N+1394-B_{\bar{N}}(2N+1392)) + B_{\bar{N}}(2N+1394-B_{\bar{N}}(2N+1391))$$

$$= B_{\bar{N}}(2N+1394-(N+1997)) + B_{\bar{N}}(2N+1394-(2N-1053)) + B_{\bar{N}}(2N+1394-(N+1998))$$

$$= B_{\bar{N}}(N-603) + B_{\bar{N}}(2447) + B_{\bar{N}}(N-604) = (N-603) + 2447 + (N-604) = 2N+1240$$

$$(N \ge 2447)$$

$$B_{\bar{N}}(2N+1395) = B_{\bar{N}}(2N+1395-B_{\bar{N}}(2N+1394)) + B_{\bar{N}}(2N+1395-B_{\bar{N}}(2N+1393)) + B_{\bar{N}}(2N+1395-B_{\bar{N}}(2N+1392))$$

$$= B_{\bar{N}}(2N+1395-(2N+1240)) + B_{\bar{N}}(2N+1395-(N+1997)) + B_{\bar{N}}(2N+1395-(2N-1053))$$

$$= B_{\bar{N}}(155) + B_{\bar{N}}(N-602) + B_{\bar{N}}(2448) = 155 + (N-602) + 2448 = N + 2001$$

$$(N \ge 2448)$$

$$B_{\bar{N}}(2N+1396) = B_{\bar{N}}(2N+1396-B_{\bar{N}}(2N+1395)) + B_{\bar{N}}(2N+1396-B_{\bar{N}}(2N+1394)) + B_{\bar{N}}(2N+1396-B_{\bar{N}}(2N+1393))$$

$$= B_{\bar{N}}(2N+1396-(N+2001)) + B_{\bar{N}}(2N+1396-(2N+1240)) + B_{\bar{N}}(2N+1396-(N+1997))$$

$$= B_{\bar{N}}(N-605) + B_{\bar{N}}(156) + B_{\bar{N}}(N-601) = (N-605) + 156 + (N-601) = 2N-1050$$

$$(N \ge 606)$$

$$B_{\bar{N}}(2N+1397) = B_{\bar{N}}(2N+1397-B_{\bar{N}}(2N+1396)) + B_{\bar{N}}(2N+1397-B_{\bar{N}}(2N+1395)) + B_{\bar{N}}(2N+1397-B_{\bar{N}}(2N+1394))$$

$$= B_{\bar{N}}(2N+1397-(2N-1050)) + B_{\bar{N}}(2N+1397-(N+2001)) + B_{\bar{N}}(2N+1397-(2N+1240))$$

$$= B_{\bar{N}}(2447) + B_{\bar{N}}(N-604) + B_{\bar{N}}(157) = 2447 + (N-604) + 157 = N + 2000$$

$$(N \ge 2447)$$

$$B_{\bar{N}}(2N+1398) = B_{\bar{N}}(2N+1398-B_{\bar{N}}(2N+1397)) + B_{\bar{N}}(2N+1398-B_{\bar{N}}(2N+1396)) + B_{\bar{N}}(2N+1398-B_{\bar{N}}(2N+1395))$$

$$= B_{\bar{N}}(2N+1398-(N+2000)) + B_{\bar{N}}(2N+1398-(2N-1050)) + B_{\bar{N}}(2N+1398-(N+2001))$$

$$= B_{\bar{N}}(N-602) + B_{\bar{N}}(2448) + B_{\bar{N}}(N-603) = (N-602) + 2448 + (N-603) = 2N+1243$$

$$(N \ge 2448)$$

$$\begin{split} B_{\bar{N}}(2N+1399) &= B_{\bar{N}}(2N+1399 - B_{\bar{N}}(2N+1398)) + B_{\bar{N}}(2N+1399 - B_{\bar{N}}(2N+1397)) + B_{\bar{N}}(2N+1399 - B_{\bar{N}}(2N+1396)) \\ &= B_{\bar{N}}(2N+1399 - (2N+1243)) + B_{\bar{N}}(2N+1399 - (N+2000)) + B_{\bar{N}}(2N+1399 - (2N-1050)) \\ &= B_{\bar{N}}(156) + B_{\bar{N}}(N-601) + B_{\bar{N}}(2449) = 156 + (N-601) + 2449 = N + 2004 \\ &(N \geq 2449) \end{split}$$

$$B_{\bar{N}}(2N+1400) = B_{\bar{N}}(2N+1400-B_{\bar{N}}(2N+1399)) + B_{\bar{N}}(2N+1400-B_{\bar{N}}(2N+1398)) + B_{\bar{N}}(2N+1400-B_{\bar{N}}(2N+1397))$$

$$= B_{\bar{N}}(2N+1400-(N+2004)) + B_{\bar{N}}(2N+1400-(2N+1243)) + B_{\bar{N}}(2N+1400-(N+2000))$$

$$= B_{\bar{N}}(N-604) + B_{\bar{N}}(157) + B_{\bar{N}}(N-600) = (N-604) + 157 + (N-600) = 2N-1047$$

$$(N \ge 605)$$

$$B_{\bar{N}}(2N+1401) = B_{\bar{N}}(2N+1401-B_{\bar{N}}(2N+1400)) + B_{\bar{N}}(2N+1401-B_{\bar{N}}(2N+1399)) + B_{\bar{N}}(2N+1401-B_{\bar{N}}(2N+1398))$$

$$= B_{\bar{N}}(2N+1401-(2N-1047)) + B_{\bar{N}}(2N+1401-(N+2004)) + B_{\bar{N}}(2N+1401-(2N+1243))$$

$$= B_{\bar{N}}(2448) + B_{\bar{N}}(N-603) + B_{\bar{N}}(158) = 2448 + (N-603) + 158 = N + 2003$$

$$(N > 2448)$$

$$B_{\bar{N}}(2N+1402) = B_{\bar{N}}(2N+1402-B_{\bar{N}}(2N+1401)) + B_{\bar{N}}(2N+1402-B_{\bar{N}}(2N+1400)) + B_{\bar{N}}(2N+1402-B_{\bar{N}}(2N+1399))$$

$$= B_{\bar{N}}(2N+1402-(N+2003)) + B_{\bar{N}}(2N+1402-(2N-1047)) + B_{\bar{N}}(2N+1402-(N+2004))$$

$$= B_{\bar{N}}(N-601) + B_{\bar{N}}(2449) + B_{\bar{N}}(N-602) = (N-601) + 2449 + (N-602) = 2N+1246$$

$$(N \ge 2449)$$

$$B_{\bar{N}}(2N+1403) = B_{\bar{N}}(2N+1403-B_{\bar{N}}(2N+1402)) + B_{\bar{N}}(2N+1403-B_{\bar{N}}(2N+1401)) + B_{\bar{N}}(2N+1403-B_{\bar{N}}(2N+1400))$$

$$= B_{\bar{N}}(2N+1403-(2N+1246)) + B_{\bar{N}}(2N+1403-(N+2003)) + B_{\bar{N}}(2N+1403-(2N-1047))$$

$$= B_{\bar{N}}(157) + B_{\bar{N}}(N-600) + B_{\bar{N}}(2450) = 157 + (N-600) + 2450 = N + 2007$$

$$(N \ge 2450)$$

$$B_{\bar{N}}(2N+1404) = B_{\bar{N}}(2N+1404-B_{\bar{N}}(2N+1403)) + B_{\bar{N}}(2N+1404-B_{\bar{N}}(2N+1402)) + B_{\bar{N}}(2N+1404-B_{\bar{N}}(2N+1401))$$

$$= B_{\bar{N}}(2N+1404-(N+2007)) + B_{\bar{N}}(2N+1404-(2N+1246)) + B_{\bar{N}}(2N+1404-(N+2003))$$

$$= B_{\bar{N}}(N-603) + B_{\bar{N}}(158) + B_{\bar{N}}(N-599) = (N-603) + 158 + (N-599) = 2N-1044$$

$$(N \ge 604)$$

$$B_{\bar{N}}(2N+1405) = B_{\bar{N}}(2N+1405-B_{\bar{N}}(2N+1404)) + B_{\bar{N}}(2N+1405-B_{\bar{N}}(2N+1403)) + B_{\bar{N}}(2N+1405-B_{\bar{N}}(2N+1402))$$

$$= B_{\bar{N}}(2N+1405-(2N-1044)) + B_{\bar{N}}(2N+1405-(N+2007)) + B_{\bar{N}}(2N+1405-(2N+1246))$$

$$= B_{\bar{N}}(2449) + B_{\bar{N}}(N-602) + B_{\bar{N}}(159) = 2449 + (N-602) + 159 = N + 2006$$

$$(N \ge 2449)$$

$$B_{\bar{N}}(2N+1406) = B_{\bar{N}}(2N+1406-B_{\bar{N}}(2N+1405)) + B_{\bar{N}}(2N+1406-B_{\bar{N}}(2N+1404)) + B_{\bar{N}}(2N+1406-B_{\bar{N}}(2N+1403))$$

$$= B_{\bar{N}}(2N+1406-(N+2006)) + B_{\bar{N}}(2N+1406-(2N-1044)) + B_{\bar{N}}(2N+1406-(N+2007))$$

$$= B_{\bar{N}}(N-600) + B_{\bar{N}}(2450) + B_{\bar{N}}(N-601) = (N-600) + 2450 + (N-601) = 2N+1249$$

$$(N \ge 2450)$$

$$B_{\bar{N}}(2N+1407) = B_{\bar{N}}(2N+1407-B_{\bar{N}}(2N+1406)) + B_{\bar{N}}(2N+1407-B_{\bar{N}}(2N+1405)) + B_{\bar{N}}(2N+1407-B_{\bar{N}}(2N+1404))$$

$$= B_{\bar{N}}(2N+1407-(2N+1249)) + B_{\bar{N}}(2N+1407-(N+2006)) + B_{\bar{N}}(2N+1407-(2N-1044))$$

$$= B_{\bar{N}}(158) + B_{\bar{N}}(N-599) + B_{\bar{N}}(2451) = 158 + (N-599) + 2451 = N + 2010$$

$$(N \ge 2451)$$

$$B_{\bar{N}}(2N+1408) = B_{\bar{N}}(2N+1408-B_{\bar{N}}(2N+1407)) + B_{\bar{N}}(2N+1408-B_{\bar{N}}(2N+1406)) + B_{\bar{N}}(2N+1408-B_{\bar{N}}(2N+1405))$$

$$= B_{\bar{N}}(2N+1408-(N+2010)) + B_{\bar{N}}(2N+1408-(2N+1249)) + B_{\bar{N}}(2N+1408-(N+2006))$$

$$= B_{\bar{N}}(N-602) + B_{\bar{N}}(159) + B_{\bar{N}}(N-598) = (N-602) + 159 + (N-598) = 2N-1041$$

$$(N \ge 603)$$

$$\begin{split} B_{\bar{N}}(2N+1409) &= B_{\bar{N}}(2N+1409 - B_{\bar{N}}(2N+1408)) + B_{\bar{N}}(2N+1409 - B_{\bar{N}}(2N+1407)) + B_{\bar{N}}(2N+1409 - B_{\bar{N}}(2N+1409)) \\ &= B_{\bar{N}}(2N+1409 - (2N-1041)) + B_{\bar{N}}(2N+1409 - (N+2010)) + B_{\bar{N}}(2N+1409 - (2N+1249)) \\ &= B_{\bar{N}}(2450) + B_{\bar{N}}(N-601) + B_{\bar{N}}(160) = 2450 + (N-601) + 160 = N + 2009 \\ &(N \geq 2450) \end{split}$$

$$B_{\bar{N}}(2N+1410) = B_{\bar{N}}(2N+1410-B_{\bar{N}}(2N+1409)) + B_{\bar{N}}(2N+1410-B_{\bar{N}}(2N+1408)) + B_{\bar{N}}(2N+1410-B_{\bar{N}}(2N+1407))$$

$$= B_{\bar{N}}(2N+1410-(N+2009)) + B_{\bar{N}}(2N+1410-(2N-1041)) + B_{\bar{N}}(2N+1410-(N+2010))$$

$$= B_{\bar{N}}(N-599) + B_{\bar{N}}(2451) + B_{\bar{N}}(N-600) = (N-599) + 2451 + (N-600) = 2N+1252$$

$$(N \ge 2451)$$

$$B_{\bar{N}}(2N+1411) = B_{\bar{N}}(2N+1411-B_{\bar{N}}(2N+1410)) + B_{\bar{N}}(2N+1411-B_{\bar{N}}(2N+1409)) + B_{\bar{N}}(2N+1411-B_{\bar{N}}(2N+1408))$$

$$= B_{\bar{N}}(2N+1411-(2N+1252)) + B_{\bar{N}}(2N+1411-(N+2009)) + B_{\bar{N}}(2N+1411-(2N-1041))$$

$$= B_{\bar{N}}(159) + B_{\bar{N}}(N-598) + B_{\bar{N}}(2452) = 159 + (N-598) + 2452 = N + 2013$$

$$(N \ge 2452)$$

$$B_{\bar{N}}(2N+1412) = B_{\bar{N}}(2N+1412-B_{\bar{N}}(2N+1411)) + B_{\bar{N}}(2N+1412-B_{\bar{N}}(2N+1410)) + B_{\bar{N}}(2N+1412-B_{\bar{N}}(2N+1409))$$

$$= B_{\bar{N}}(2N+1412-(N+2013)) + B_{\bar{N}}(2N+1412-(2N+1252)) + B_{\bar{N}}(2N+1412-(N+2009))$$

$$= B_{\bar{N}}(N-601) + B_{\bar{N}}(160) + B_{\bar{N}}(N-597) = (N-601) + 160 + (N-597) = 2N-1038$$

$$(N \ge 602)$$

$$B_{\bar{N}}(2N+1413) = B_{\bar{N}}(2N+1413-B_{\bar{N}}(2N+1412)) + B_{\bar{N}}(2N+1413-B_{\bar{N}}(2N+1411)) + B_{\bar{N}}(2N+1413-B_{\bar{N}}(2N+1410))$$

$$= B_{\bar{N}}(2N+1413-(2N-1038)) + B_{\bar{N}}(2N+1413-(N+2013)) + B_{\bar{N}}(2N+1413-(2N+1252))$$

$$= B_{\bar{N}}(2451) + B_{\bar{N}}(N-600) + B_{\bar{N}}(161) = 2451 + (N-600) + 161 = N + 2012$$

$$(N \ge 2451)$$

$$B_{\bar{N}}(2N+1414) = B_{\bar{N}}(2N+1414-B_{\bar{N}}(2N+1413)) + B_{\bar{N}}(2N+1414-B_{\bar{N}}(2N+1412)) + B_{\bar{N}}(2N+1414-B_{\bar{N}}(2N+1411))$$

$$= B_{\bar{N}}(2N+1414-(N+2012)) + B_{\bar{N}}(2N+1414-(2N-1038)) + B_{\bar{N}}(2N+1414-(N+2013))$$

$$= B_{\bar{N}}(N-598) + B_{\bar{N}}(2452) + B_{\bar{N}}(N-599) = (N-598) + 2452 + (N-599) = 2N+1255$$

$$(N \ge 2452)$$

$$B_{\bar{N}}(2N+1415) = B_{\bar{N}}(2N+1415-B_{\bar{N}}(2N+1414)) + B_{\bar{N}}(2N+1415-B_{\bar{N}}(2N+1413)) + B_{\bar{N}}(2N+1415-B_{\bar{N}}(2N+1412))$$

$$= B_{\bar{N}}(2N+1415-(2N+1255)) + B_{\bar{N}}(2N+1415-(N+2012)) + B_{\bar{N}}(2N+1415-(2N-1038))$$

$$= B_{\bar{N}}(160) + B_{\bar{N}}(N-597) + B_{\bar{N}}(2453) = 160 + (N-597) + 2453 = N + 2016$$

$$(N \ge 2453)$$

$$B_{\bar{N}}(2N+1416) = B_{\bar{N}}(2N+1416-B_{\bar{N}}(2N+1415)) + B_{\bar{N}}(2N+1416-B_{\bar{N}}(2N+1414)) + B_{\bar{N}}(2N+1416-B_{\bar{N}}(2N+1413))$$

$$= B_{\bar{N}}(2N+1416-(N+2016)) + B_{\bar{N}}(2N+1416-(2N+1255)) + B_{\bar{N}}(2N+1416-(N+2012))$$

$$= B_{\bar{N}}(N-600) + B_{\bar{N}}(161) + B_{\bar{N}}(N-596) = (N-600) + 161 + (N-596) = 2N-1035$$

$$(N > 601)$$

$$B_{\bar{N}}(2N+1417) = B_{\bar{N}}(2N+1417-B_{\bar{N}}(2N+1416)) + B_{\bar{N}}(2N+1417-B_{\bar{N}}(2N+1415)) + B_{\bar{N}}(2N+1417-B_{\bar{N}}(2N+1414))$$

$$= B_{\bar{N}}(2N+1417-(2N-1035)) + B_{\bar{N}}(2N+1417-(N+2016)) + B_{\bar{N}}(2N+1417-(2N+1255))$$

$$= B_{\bar{N}}(2452) + B_{\bar{N}}(N-599) + B_{\bar{N}}(162) = 2452 + (N-599) + 162 = N + 2015$$

$$(N \ge 2452)$$

$$B_{\bar{N}}(2N+1418) = B_{\bar{N}}(2N+1418-B_{\bar{N}}(2N+1417)) + B_{\bar{N}}(2N+1418-B_{\bar{N}}(2N+1416)) + B_{\bar{N}}(2N+1418-B_{\bar{N}}(2N+1415))$$

$$= B_{\bar{N}}(2N+1418-(N+2015)) + B_{\bar{N}}(2N+1418-(2N-1035)) + B_{\bar{N}}(2N+1418-(N+2016))$$

$$= B_{\bar{N}}(N-597) + B_{\bar{N}}(2453) + B_{\bar{N}}(N-598) = (N-597) + 2453 + (N-598) = 2N+1258$$

$$(N \ge 2453)$$

$$B_{\bar{N}}(2N+1419) = B_{\bar{N}}(2N+1419-B_{\bar{N}}(2N+1418)) + B_{\bar{N}}(2N+1419-B_{\bar{N}}(2N+1417)) + B_{\bar{N}}(2N+1419-B_{\bar{N}}(2N+1416))$$

$$= B_{\bar{N}}(2N+1419-(2N+1258)) + B_{\bar{N}}(2N+1419-(N+2015)) + B_{\bar{N}}(2N+1419-(2N-1035))$$

$$= B_{\bar{N}}(161) + B_{\bar{N}}(N-596) + B_{\bar{N}}(2454) = 161 + (N-596) + 2454 = N + 2019$$

$$(N \ge 2454)$$

$$B_{\bar{N}}(2N+1420) = B_{\bar{N}}(2N+1420 - B_{\bar{N}}(2N+1419)) + B_{\bar{N}}(2N+1420 - B_{\bar{N}}(2N+1418)) + B_{\bar{N}}(2N+1420 - B_{\bar{N}}(2N+1417))$$

$$= B_{\bar{N}}(2N+1420 - (N+2019)) + B_{\bar{N}}(2N+1420 - (2N+1258)) + B_{\bar{N}}(2N+1420 - (N+2015))$$

$$= B_{\bar{N}}(N-599) + B_{\bar{N}}(162) + B_{\bar{N}}(N-595) = (N-599) + 162 + (N-595) = 2N-1032$$

$$(N \ge 600)$$

$$B_{\bar{N}}(2N+1421) = B_{\bar{N}}(2N+1421-B_{\bar{N}}(2N+1420)) + B_{\bar{N}}(2N+1421-B_{\bar{N}}(2N+1419)) + B_{\bar{N}}(2N+1421-B_{\bar{N}}(2N+1418))$$

$$= B_{\bar{N}}(2N+1421-(2N-1032)) + B_{\bar{N}}(2N+1421-(N+2019)) + B_{\bar{N}}(2N+1421-(2N+1258))$$

$$= B_{\bar{N}}(2453) + B_{\bar{N}}(N-598) + B_{\bar{N}}(163) = 2453 + (N-598) + 163 = N + 2018$$

$$(N > 2453)$$

$$B_{\bar{N}}(2N+1422) = B_{\bar{N}}(2N+1422-B_{\bar{N}}(2N+1421)) + B_{\bar{N}}(2N+1422-B_{\bar{N}}(2N+1420)) + B_{\bar{N}}(2N+1422-B_{\bar{N}}(2N+1419))$$

$$= B_{\bar{N}}(2N+1422-(N+2018)) + B_{\bar{N}}(2N+1422-(2N-1032)) + B_{\bar{N}}(2N+1422-(N+2019))$$

$$= B_{\bar{N}}(N-596) + B_{\bar{N}}(2454) + B_{\bar{N}}(N-597) = (N-596) + 2454 + (N-597) = 2N+1261$$

$$(N \ge 2454)$$

$$B_{\bar{N}}(2N+1423) = B_{\bar{N}}(2N+1423-B_{\bar{N}}(2N+1422)) + B_{\bar{N}}(2N+1423-B_{\bar{N}}(2N+1421)) + B_{\bar{N}}(2N+1423-B_{\bar{N}}(2N+1420))$$

$$= B_{\bar{N}}(2N+1423-(2N+1261)) + B_{\bar{N}}(2N+1423-(N+2018)) + B_{\bar{N}}(2N+1423-(2N-1032))$$

$$= B_{\bar{N}}(162) + B_{\bar{N}}(N-595) + B_{\bar{N}}(2455) = 162 + (N-595) + 2455 = N + 2022$$

$$(N \ge 2455)$$

$$B_{\bar{N}}(2N+1424) = B_{\bar{N}}(2N+1424-B_{\bar{N}}(2N+1423)) + B_{\bar{N}}(2N+1424-B_{\bar{N}}(2N+1422)) + B_{\bar{N}}(2N+1424-B_{\bar{N}}(2N+1421))$$

$$= B_{\bar{N}}(2N+1424-(N+2022)) + B_{\bar{N}}(2N+1424-(2N+1261)) + B_{\bar{N}}(2N+1424-(N+2018))$$

$$= B_{\bar{N}}(N-598) + B_{\bar{N}}(163) + B_{\bar{N}}(N-594) = (N-598) + 163 + (N-594) = 2N-1029$$

$$(N \ge 599)$$

$$B_{\bar{N}}(2N+1425) = B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1424)) + B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1423)) + B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2N+1425-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1426) = B_{\bar{N}}(2N+1426-B_{\bar{N}}(2N+1425)) + B_{\bar{N}}(2N+1426-B_{\bar{N}}(2N+1424)) + B_{\bar{N}}(2N+1426-B_{\bar{N}}(2N+1423))$$

$$= B_{\bar{N}}(2N+1426-(N+2021)) + B_{\bar{N}}(2N+1426-(2N-1029)) + B_{\bar{N}}(2N+1426-(N+2022))$$

$$= B_{\bar{N}}(N-595) + B_{\bar{N}}(2455) + B_{\bar{N}}(N-596) = (N-595) + 2455 + (N-596) = 2N+1264$$

$$(N \ge 2455)$$

$$B_{\bar{N}}(2N+1427) = B_{\bar{N}}(2N+1427-B_{\bar{N}}(2N+1426)) + B_{\bar{N}}(2N+1427-B_{\bar{N}}(2N+1425)) + B_{\bar{N}}(2N+1427-B_{\bar{N}}(2N+1424))$$

$$= B_{\bar{N}}(2N+1427-(2N+1264)) + B_{\bar{N}}(2N+1427-(N+2021)) + B_{\bar{N}}(2N+1427-(2N-1029))$$

$$= B_{\bar{N}}(163) + B_{\bar{N}}(N-594) + B_{\bar{N}}(2456) = 163 + (N-594) + 2456 = N + 2025$$

$$(N \ge 2456)$$

$$B_{\bar{N}}(2N+1428) = B_{\bar{N}}(2N+1428-B_{\bar{N}}(2N+1427)) + B_{\bar{N}}(2N+1428-B_{\bar{N}}(2N+1426)) + B_{\bar{N}}(2N+1428-B_{\bar{N}}(2N+1425))$$

$$= B_{\bar{N}}(2N+1428-(N+2025)) + B_{\bar{N}}(2N+1428-(2N+1264)) + B_{\bar{N}}(2N+1428-(N+2021))$$

$$= B_{\bar{N}}(N-597) + B_{\bar{N}}(164) + B_{\bar{N}}(N-593) = (N-597) + 164 + (N-593) = 2N-1026$$

$$(N \ge 598)$$

$$B_{\bar{N}}(2N+1429) = B_{\bar{N}}(2N+1429 - B_{\bar{N}}(2N+1428)) + B_{\bar{N}}(2N+1429 - B_{\bar{N}}(2N+1427)) + B_{\bar{N}}(2N+1429 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1430) = B_{\bar{N}}(2N+1430-B_{\bar{N}}(2N+1429)) + B_{\bar{N}}(2N+1430-B_{\bar{N}}(2N+1428)) + B_{\bar{N}}(2N+1430-B_{\bar{N}}(2N+1427))$$

$$= B_{\bar{N}}(2N+1430-(N+2024)) + B_{\bar{N}}(2N+1430-(2N-1026)) + B_{\bar{N}}(2N+1430-(N+2025))$$

$$= B_{\bar{N}}(N-594) + B_{\bar{N}}(2456) + B_{\bar{N}}(N-595) = (N-594) + 2456 + (N-595) = 2N+1267$$

$$(N \ge 2456)$$

$$B_{\bar{N}}(2N+1431) = B_{\bar{N}}(2N+1431-B_{\bar{N}}(2N+1430)) + B_{\bar{N}}(2N+1431-B_{\bar{N}}(2N+1429)) + B_{\bar{N}}(2N+1431-B_{\bar{N}}(2N+1428))$$

$$= B_{\bar{N}}(2N+1431-(2N+1267)) + B_{\bar{N}}(2N+1431-(N+2024)) + B_{\bar{N}}(2N+1431-(2N-1026))$$

$$= B_{\bar{N}}(164) + B_{\bar{N}}(N-593) + B_{\bar{N}}(2457) = 164 + (N-593) + 2457 = N + 2028$$

$$(N \ge 2457)$$

$$B_{\bar{N}}(2N+1432) = B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1431)) + B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1430)) + B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2N+1432-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1433) = B_{\bar{N}}(2N+1433-B_{\bar{N}}(2N+1432)) + B_{\bar{N}}(2N+1433-B_{\bar{N}}(2N+1431)) + B_{\bar{N}}(2N+1433-B_{\bar{N}}(2N+1430))$$

$$= B_{\bar{N}}(2N+1433-(2N-1023)) + B_{\bar{N}}(2N+1433-(N+2028)) + B_{\bar{N}}(2N+1433-(2N+1267))$$

$$= B_{\bar{N}}(2456) + B_{\bar{N}}(N-595) + B_{\bar{N}}(166) = 2456 + (N-595) + 166 = N + 2027$$

$$(N \ge 2456)$$

$$B_{\bar{N}}(2N+1434) = B_{\bar{N}}(2N+1434-B_{\bar{N}}(2N+1433)) + B_{\bar{N}}(2N+1434-B_{\bar{N}}(2N+1432)) + B_{\bar{N}}(2N+1434-B_{\bar{N}}(2N+1431))$$

$$= B_{\bar{N}}(2N+1434-(N+2027)) + B_{\bar{N}}(2N+1434-(2N-1023)) + B_{\bar{N}}(2N+1434-(N+2028))$$

$$= B_{\bar{N}}(N-593) + B_{\bar{N}}(2457) + B_{\bar{N}}(N-594) = (N-593) + 2457 + (N-594) = 2N+1270$$

$$(N \ge 2457)$$

$$B_{\bar{N}}(2N+1435) = B_{\bar{N}}(2N+1435-B_{\bar{N}}(2N+1434)) + B_{\bar{N}}(2N+1435-B_{\bar{N}}(2N+1433)) + B_{\bar{N}}(2N+1435-B_{\bar{N}}(2N+1432))$$

$$= B_{\bar{N}}(2N+1435-(2N+1270)) + B_{\bar{N}}(2N+1435-(N+2027)) + B_{\bar{N}}(2N+1435-(2N-1023))$$

$$= B_{\bar{N}}(165) + B_{\bar{N}}(N-592) + B_{\bar{N}}(2458) = 165 + (N-592) + 2458 = N + 2031$$

$$(N \ge 2458)$$

$$B_{\bar{N}}(2N+1436) = B_{\bar{N}}(2N+1436-B_{\bar{N}}(2N+1435)) + B_{\bar{N}}(2N+1436-B_{\bar{N}}(2N+1434)) + B_{\bar{N}}(2N+1436-B_{\bar{N}}(2N+1436))$$

$$= B_{\bar{N}}(2N+1436-(N+2031)) + B_{\bar{N}}(2N+1436-(2N+1270)) + B_{\bar{N}}(2N+1436-(N+2027))$$

$$= B_{\bar{N}}(N-595) + B_{\bar{N}}(166) + B_{\bar{N}}(N-591) = (N-595) + 166 + (N-591) = 2N-1020$$

$$(N \ge 596)$$

$$B_{\bar{N}}(2N+1437) = B_{\bar{N}}(2N+1437-B_{\bar{N}}(2N+1436)) + B_{\bar{N}}(2N+1437-B_{\bar{N}}(2N+1435)) + B_{\bar{N}}(2N+1437-B_{\bar{N}}(2N+1434))$$

$$= B_{\bar{N}}(2N+1437-(2N-1020)) + B_{\bar{N}}(2N+1437-(N+2031)) + B_{\bar{N}}(2N+1437-(2N+1270))$$

$$= B_{\bar{N}}(2457) + B_{\bar{N}}(N-594) + B_{\bar{N}}(167) = 2457 + (N-594) + 167 = N + 2030$$

$$(N \ge 2457)$$

$$B_{\bar{N}}(2N+1438) = B_{\bar{N}}(2N+1438-B_{\bar{N}}(2N+1437)) + B_{\bar{N}}(2N+1438-B_{\bar{N}}(2N+1436)) + B_{\bar{N}}(2N+1438-B_{\bar{N}}(2N+1435))$$

$$= B_{\bar{N}}(2N+1438-(N+2030)) + B_{\bar{N}}(2N+1438-(2N-1020)) + B_{\bar{N}}(2N+1438-(N+2031))$$

$$= B_{\bar{N}}(N-592) + B_{\bar{N}}(2458) + B_{\bar{N}}(N-593) = (N-592) + 2458 + (N-593) = 2N+1273$$

$$(N \ge 2458)$$

$$B_{\bar{N}}(2N+1439) = B_{\bar{N}}(2N+1439 - B_{\bar{N}}(2N+1438)) + B_{\bar{N}}(2N+1439 - B_{\bar{N}}(2N+1437)) + B_{\bar{N}}(2N+1439 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1440) = B_{\bar{N}}(2N+1440-B_{\bar{N}}(2N+1439)) + B_{\bar{N}}(2N+1440-B_{\bar{N}}(2N+1438)) + B_{\bar{N}}(2N+1440-B_{\bar{N}}(2N+1437))$$

$$= B_{\bar{N}}(2N+1440-(N+2034)) + B_{\bar{N}}(2N+1440-(2N+1273)) + B_{\bar{N}}(2N+1440-(N+2030))$$

$$= B_{\bar{N}}(N-594) + B_{\bar{N}}(167) + B_{\bar{N}}(N-590) = (N-594) + 167 + (N-590) = 2N-1017$$

$$(N \ge 595)$$

$$B_{\bar{N}}(2N+1441) = B_{\bar{N}}(2N+1441-B_{\bar{N}}(2N+1440)) + B_{\bar{N}}(2N+1441-B_{\bar{N}}(2N+1439)) + B_{\bar{N}}(2N+1441-B_{\bar{N}}(2N+1438))$$

$$= B_{\bar{N}}(2N+1441-(2N-1017)) + B_{\bar{N}}(2N+1441-(N+2034)) + B_{\bar{N}}(2N+1441-(2N+1273))$$

$$= B_{\bar{N}}(2458) + B_{\bar{N}}(N-593) + B_{\bar{N}}(168) = 2458 + (N-593) + 168 = N + 2033$$

$$(N > 2458)$$

$$B_{\bar{N}}(2N+1442) = B_{\bar{N}}(2N+1442-B_{\bar{N}}(2N+1441)) + B_{\bar{N}}(2N+1442-B_{\bar{N}}(2N+1440)) + B_{\bar{N}}(2N+1442-B_{\bar{N}}(2N+1439))$$

$$= B_{\bar{N}}(2N+1442-(N+2033)) + B_{\bar{N}}(2N+1442-(2N-1017)) + B_{\bar{N}}(2N+1442-(N+2034))$$

$$= B_{\bar{N}}(N-591) + B_{\bar{N}}(2459) + B_{\bar{N}}(N-592) = (N-591) + 2459 + (N-592) = 2N+1276$$

$$(N \ge 2459)$$

$$B_{\bar{N}}(2N+1443) = B_{\bar{N}}(2N+1443-B_{\bar{N}}(2N+1442)) + B_{\bar{N}}(2N+1443-B_{\bar{N}}(2N+1441)) + B_{\bar{N}}(2N+1443-B_{\bar{N}}(2N+1440))$$

$$= B_{\bar{N}}(2N+1443-(2N+1276)) + B_{\bar{N}}(2N+1443-(N+2033)) + B_{\bar{N}}(2N+1443-(2N-1017))$$

$$= B_{\bar{N}}(167) + B_{\bar{N}}(N-590) + B_{\bar{N}}(2460) = 167 + (N-590) + 2460 = N + 2037$$

$$(N \ge 2460)$$

$$B_{\bar{N}}(2N+1444) = B_{\bar{N}}(2N+1444-B_{\bar{N}}(2N+1443)) + B_{\bar{N}}(2N+1444-B_{\bar{N}}(2N+1442)) + B_{\bar{N}}(2N+1444-B_{\bar{N}}(2N+1441))$$

$$= B_{\bar{N}}(2N+1444-(N+2037)) + B_{\bar{N}}(2N+1444-(2N+1276)) + B_{\bar{N}}(2N+1444-(N+2033))$$

$$= B_{\bar{N}}(N-593) + B_{\bar{N}}(168) + B_{\bar{N}}(N-589) = (N-593) + 168 + (N-589) = 2N-1014$$

$$(N \ge 594)$$

$$B_{\bar{N}}(2N+1445) = B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1444)) + B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1443)) + B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2N+1445-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1446) = B_{\bar{N}}(2N+1446-B_{\bar{N}}(2N+1445)) + B_{\bar{N}}(2N+1446-B_{\bar{N}}(2N+1444)) + B_{\bar{N}}(2N+1446-B_{\bar{N}}(2N+1446))$$

$$= B_{\bar{N}}(2N+1446-(N+2036)) + B_{\bar{N}}(2N+1446-(2N-1014)) + B_{\bar{N}}(2N+1446-(N+2037))$$

$$= B_{\bar{N}}(N-590) + B_{\bar{N}}(2460) + B_{\bar{N}}(N-591) = (N-590) + 2460 + (N-591) = 2N+1279$$

$$(N > 2460)$$

$$B_{\bar{N}}(2N+1447) = B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1446)) + B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1445)) + B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2N+1447-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1448) = B_{\bar{N}}(2N+1448-B_{\bar{N}}(2N+1447)) + B_{\bar{N}}(2N+1448-B_{\bar{N}}(2N+1446)) + B_{\bar{N}}(2N+1448-B_{\bar{N}}(2N+1445))$$

$$= B_{\bar{N}}(2N+1448-(N+2040)) + B_{\bar{N}}(2N+1448-(2N+1279)) + B_{\bar{N}}(2N+1448-(N+2036))$$

$$= B_{\bar{N}}(N-592) + B_{\bar{N}}(169) + B_{\bar{N}}(N-588) = (N-592) + 169 + (N-588) = 2N-1011$$

$$(N \ge 593)$$

$$B_{\bar{N}}(2N+1449) = B_{\bar{N}}(2N+1449 - B_{\bar{N}}(2N+1448)) + B_{\bar{N}}(2N+1449 - B_{\bar{N}}(2N+1447)) + B_{\bar{N}}(2N+1449 - B_{\bar{N}}(2N+1449))$$

$$= B_{\bar{N}}(2N+1449 - (2N-1011)) + B_{\bar{N}}(2N+1449 - (N+2040)) + B_{\bar{N}}(2N+1449 - (2N+1279))$$

$$= B_{\bar{N}}(2460) + B_{\bar{N}}(N-591) + B_{\bar{N}}(170) = 2460 + (N-591) + 170 = N + 2039$$

$$(N \ge 2460)$$

$$B_{\bar{N}}(2N+1450) = B_{\bar{N}}(2N+1450-B_{\bar{N}}(2N+1449)) + B_{\bar{N}}(2N+1450-B_{\bar{N}}(2N+1448)) + B_{\bar{N}}(2N+1450-B_{\bar{N}}(2N+1447))$$

$$= B_{\bar{N}}(2N+1450-(N+2039)) + B_{\bar{N}}(2N+1450-(2N-1011)) + B_{\bar{N}}(2N+1450-(N+2040))$$

$$= B_{\bar{N}}(N-589) + B_{\bar{N}}(2461) + B_{\bar{N}}(N-590) = (N-589) + 2461 + (N-590) = 2N+1282$$

$$(N \ge 2461)$$

$$B_{\bar{N}}(2N+1451) = B_{\bar{N}}(2N+1451-B_{\bar{N}}(2N+1450)) + B_{\bar{N}}(2N+1451-B_{\bar{N}}(2N+1449)) + B_{\bar{N}}(2N+1451-B_{\bar{N}}(2N+1448))$$

$$= B_{\bar{N}}(2N+1451-(2N+1282)) + B_{\bar{N}}(2N+1451-(N+2039)) + B_{\bar{N}}(2N+1451-(2N-1011))$$

$$= B_{\bar{N}}(169) + B_{\bar{N}}(N-588) + B_{\bar{N}}(2462) = 169 + (N-588) + 2462 = N + 2043$$

$$(N \ge 2462)$$

$$B_{\bar{N}}(2N+1452) = B_{\bar{N}}(2N+1452-B_{\bar{N}}(2N+1451)) + B_{\bar{N}}(2N+1452-B_{\bar{N}}(2N+1450)) + B_{\bar{N}}(2N+1452-B_{\bar{N}}(2N+1449))$$

$$= B_{\bar{N}}(2N+1452-(N+2043)) + B_{\bar{N}}(2N+1452-(2N+1282)) + B_{\bar{N}}(2N+1452-(N+2039))$$

$$= B_{\bar{N}}(N-591) + B_{\bar{N}}(170) + B_{\bar{N}}(N-587) = (N-591) + 170 + (N-587) = 2N-1008$$

$$(N \ge 592)$$

$$B_{\bar{N}}(2N+1453) = B_{\bar{N}}(2N+1453-B_{\bar{N}}(2N+1452)) + B_{\bar{N}}(2N+1453-B_{\bar{N}}(2N+1451)) + B_{\bar{N}}(2N+1453-B_{\bar{N}}(2N+1450))$$

$$= B_{\bar{N}}(2N+1453-(2N-1008)) + B_{\bar{N}}(2N+1453-(N+2043)) + B_{\bar{N}}(2N+1453-(2N+1282))$$

$$= B_{\bar{N}}(2461) + B_{\bar{N}}(N-590) + B_{\bar{N}}(171) = 2461 + (N-590) + 171 = N + 2042$$

$$(N \ge 2461)$$

$$B_{\bar{N}}(2N+1454) = B_{\bar{N}}(2N+1454-B_{\bar{N}}(2N+1453)) + B_{\bar{N}}(2N+1454-B_{\bar{N}}(2N+1452)) + B_{\bar{N}}(2N+1454-B_{\bar{N}}(2N+1451))$$

$$= B_{\bar{N}}(2N+1454-(N+2042)) + B_{\bar{N}}(2N+1454-(2N-1008)) + B_{\bar{N}}(2N+1454-(N+2043))$$

$$= B_{\bar{N}}(N-588) + B_{\bar{N}}(2462) + B_{\bar{N}}(N-589) = (N-588) + 2462 + (N-589) = 2N+1285$$

$$(N \ge 2462)$$

$$B_{\bar{N}}(2N+1455) = B_{\bar{N}}(2N+1455-B_{\bar{N}}(2N+1454)) + B_{\bar{N}}(2N+1455-B_{\bar{N}}(2N+1453)) + B_{\bar{N}}(2N+1455-B_{\bar{N}}(2N+1452))$$

$$= B_{\bar{N}}(2N+1455-(2N+1285)) + B_{\bar{N}}(2N+1455-(N+2042)) + B_{\bar{N}}(2N+1455-(2N-1008))$$

$$= B_{\bar{N}}(170) + B_{\bar{N}}(N-587) + B_{\bar{N}}(2463) = 170 + (N-587) + 2463 = N + 2046$$

$$(N \ge 2463)$$

$$B_{\bar{N}}(2N+1456) = B_{\bar{N}}(2N+1456-B_{\bar{N}}(2N+1455)) + B_{\bar{N}}(2N+1456-B_{\bar{N}}(2N+1454)) + B_{\bar{N}}(2N+1456-B_{\bar{N}}(2N+1453))$$

$$= B_{\bar{N}}(2N+1456-(N+2046)) + B_{\bar{N}}(2N+1456-(2N+1285)) + B_{\bar{N}}(2N+1456-(N+2042))$$

$$= B_{\bar{N}}(N-590) + B_{\bar{N}}(171) + B_{\bar{N}}(N-586) = (N-590) + 171 + (N-586) = 2N-1005$$

$$(N > 591)$$

$$B_{\bar{N}}(2N+1457) = B_{\bar{N}}(2N+1457-B_{\bar{N}}(2N+1456)) + B_{\bar{N}}(2N+1457-B_{\bar{N}}(2N+1455)) + B_{\bar{N}}(2N+1457-B_{\bar{N}}(2N+1454))$$

$$= B_{\bar{N}}(2N+1457-(2N-1005)) + B_{\bar{N}}(2N+1457-(N+2046)) + B_{\bar{N}}(2N+1457-(2N+1285))$$

$$= B_{\bar{N}}(2462) + B_{\bar{N}}(N-589) + B_{\bar{N}}(172) = 2462 + (N-589) + 172 = N + 2045$$

$$(N \ge 2462)$$

$$B_{\bar{N}}(2N+1458) = B_{\bar{N}}(2N+1458-B_{\bar{N}}(2N+1457)) + B_{\bar{N}}(2N+1458-B_{\bar{N}}(2N+1456)) + B_{\bar{N}}(2N+1458-B_{\bar{N}}(2N+1455))$$

$$= B_{\bar{N}}(2N+1458-(N+2045)) + B_{\bar{N}}(2N+1458-(2N-1005)) + B_{\bar{N}}(2N+1458-(N+2046))$$

$$= B_{\bar{N}}(N-587) + B_{\bar{N}}(2463) + B_{\bar{N}}(N-588) = (N-587) + 2463 + (N-588) = 2N+1288$$

$$(N \ge 2463)$$

$$B_{\bar{N}}(2N+1459) = B_{\bar{N}}(2N+1459 - B_{\bar{N}}(2N+1458)) + B_{\bar{N}}(2N+1459 - B_{\bar{N}}(2N+1457)) + B_{\bar{N}}(2N+1459 - B_{\bar{N}}(2N+1459))$$

$$= B_{\bar{N}}(2N+1459 - (2N+1288)) + B_{\bar{N}}(2N+1459 - (N+2045)) + B_{\bar{N}}(2N+1459 - (2N-1005))$$

$$= B_{\bar{N}}(171) + B_{\bar{N}}(N-586) + B_{\bar{N}}(2464) = 171 + (N-586) + 2464 = N + 2049$$

$$(N \ge 2464)$$

$$B_{\bar{N}}(2N+1460) = B_{\bar{N}}(2N+1460-B_{\bar{N}}(2N+1459)) + B_{\bar{N}}(2N+1460-B_{\bar{N}}(2N+1458)) + B_{\bar{N}}(2N+1460-B_{\bar{N}}(2N+1457))$$

$$= B_{\bar{N}}(2N+1460-(N+2049)) + B_{\bar{N}}(2N+1460-(2N+1288)) + B_{\bar{N}}(2N+1460-(N+2045))$$

$$= B_{\bar{N}}(N-589) + B_{\bar{N}}(172) + B_{\bar{N}}(N-585) = (N-589) + 172 + (N-585) = 2N-1002$$

$$(N \ge 590)$$

$$B_{\bar{N}}(2N+1461) = B_{\bar{N}}(2N+1461 - B_{\bar{N}}(2N+1460)) + B_{\bar{N}}(2N+1461 - B_{\bar{N}}(2N+1459)) + B_{\bar{N}}(2N+1461 - B_{\bar{N}}(2N+1458))$$

$$= B_{\bar{N}}(2N+1461 - (2N-1002)) + B_{\bar{N}}(2N+1461 - (N+2049)) + B_{\bar{N}}(2N+1461 - (2N+1288))$$

$$= B_{\bar{N}}(2463) + B_{\bar{N}}(N-588) + B_{\bar{N}}(173) = 2463 + (N-588) + 173 = N + 2048$$

$$(N \ge 2463)$$

$$B_{\bar{N}}(2N+1462) = B_{\bar{N}}(2N+1462-B_{\bar{N}}(2N+1461)) + B_{\bar{N}}(2N+1462-B_{\bar{N}}(2N+1460)) + B_{\bar{N}}(2N+1462-B_{\bar{N}}(2N+1459))$$

$$= B_{\bar{N}}(2N+1462-(N+2048)) + B_{\bar{N}}(2N+1462-(2N-1002)) + B_{\bar{N}}(2N+1462-(N+2049))$$

$$= B_{\bar{N}}(N-586) + B_{\bar{N}}(2464) + B_{\bar{N}}(N-587) = (N-586) + 2464 + (N-587) = 2N+1291$$

$$(N \ge 2464)$$

$$B_{\bar{N}}(2N+1463) = B_{\bar{N}}(2N+1463-B_{\bar{N}}(2N+1462)) + B_{\bar{N}}(2N+1463-B_{\bar{N}}(2N+1461)) + B_{\bar{N}}(2N+1463-B_{\bar{N}}(2N+1460))$$

$$= B_{\bar{N}}(2N+1463-(2N+1291)) + B_{\bar{N}}(2N+1463-(N+2048)) + B_{\bar{N}}(2N+1463-(2N-1002))$$

$$= B_{\bar{N}}(172) + B_{\bar{N}}(N-585) + B_{\bar{N}}(2465) = 172 + (N-585) + 2465 = N + 2052$$

$$(N \ge 2465)$$

$$B_{\bar{N}}(2N+1464) = B_{\bar{N}}(2N+1464-B_{\bar{N}}(2N+1463)) + B_{\bar{N}}(2N+1464-B_{\bar{N}}(2N+1462)) + B_{\bar{N}}(2N+1464-B_{\bar{N}}(2N+1461))$$

$$= B_{\bar{N}}(2N+1464-(N+2052)) + B_{\bar{N}}(2N+1464-(2N+1291)) + B_{\bar{N}}(2N+1464-(N+2048))$$

$$= B_{\bar{N}}(N-588) + B_{\bar{N}}(173) + B_{\bar{N}}(N-584) = (N-588) + 173 + (N-584) = 2N-999$$

$$(N \ge 589)$$

$$B_{\bar{N}}(2N+1465) = B_{\bar{N}}(2N+1465-B_{\bar{N}}(2N+1464)) + B_{\bar{N}}(2N+1465-B_{\bar{N}}(2N+1463)) + B_{\bar{N}}(2N+1465-B_{\bar{N}}(2N+1462))$$

$$= B_{\bar{N}}(2N+1465-(2N-999)) + B_{\bar{N}}(2N+1465-(N+2052)) + B_{\bar{N}}(2N+1465-(2N+1291))$$

$$= B_{\bar{N}}(2464) + B_{\bar{N}}(N-587) + B_{\bar{N}}(174) = 2464 + (N-587) + 174 = N + 2051$$

$$(N \ge 2464)$$

$$B_{\bar{N}}(2N+1466) = B_{\bar{N}}(2N+1466-B_{\bar{N}}(2N+1465)) + B_{\bar{N}}(2N+1466-B_{\bar{N}}(2N+1464)) + B_{\bar{N}}(2N+1466-B_{\bar{N}}(2N+1463))$$

$$= B_{\bar{N}}(2N+1466-(N+2051)) + B_{\bar{N}}(2N+1466-(2N-999)) + B_{\bar{N}}(2N+1466-(N+2052))$$

$$= B_{\bar{N}}(N-585) + B_{\bar{N}}(2465) + B_{\bar{N}}(N-586) = (N-585) + 2465 + (N-586) = 2N+1294$$

$$(N > 2465)$$

$$B_{\bar{N}}(2N+1467) = B_{\bar{N}}(2N+1467-B_{\bar{N}}(2N+1466)) + B_{\bar{N}}(2N+1467-B_{\bar{N}}(2N+1465)) + B_{\bar{N}}(2N+1467-B_{\bar{N}}(2N+1464))$$

$$= B_{\bar{N}}(2N+1467-(2N+1294)) + B_{\bar{N}}(2N+1467-(N+2051)) + B_{\bar{N}}(2N+1467-(2N-999))$$

$$= B_{\bar{N}}(173) + B_{\bar{N}}(N-584) + B_{\bar{N}}(2466) = 173 + (N-584) + 2466 = N + 2055$$

$$(N \ge 2466)$$

$$B_{\bar{N}}(2N+1468) = B_{\bar{N}}(2N+1468-B_{\bar{N}}(2N+1467)) + B_{\bar{N}}(2N+1468-B_{\bar{N}}(2N+1466)) + B_{\bar{N}}(2N+1468-B_{\bar{N}}(2N+1465))$$

$$= B_{\bar{N}}(2N+1468-(N+2055)) + B_{\bar{N}}(2N+1468-(2N+1294)) + B_{\bar{N}}(2N+1468-(N+2051))$$

$$= B_{\bar{N}}(N-587) + B_{\bar{N}}(174) + B_{\bar{N}}(N-583) = (N-587) + 174 + (N-583) = 2N-996$$

$$(N \ge 588)$$

$$B_{\bar{N}}(2N+1469) = B_{\bar{N}}(2N+1469 - B_{\bar{N}}(2N+1468)) + B_{\bar{N}}(2N+1469 - B_{\bar{N}}(2N+1467)) + B_{\bar{N}}(2N+1469 - B_{\bar{N}}(2N+1469))$$

$$= B_{\bar{N}}(2N+1469 - (2N-996)) + B_{\bar{N}}(2N+1469 - (N+2055)) + B_{\bar{N}}(2N+1469 - (2N+1294))$$

$$= B_{\bar{N}}(2465) + B_{\bar{N}}(N-586) + B_{\bar{N}}(175) = 2465 + (N-586) + 175 = N + 2054$$

$$(N \ge 2465)$$

$$B_{\bar{N}}(2N+1470) = B_{\bar{N}}(2N+1470 - B_{\bar{N}}(2N+1469)) + B_{\bar{N}}(2N+1470 - B_{\bar{N}}(2N+1468)) + B_{\bar{N}}(2N+1470 - B_{\bar{N}}(2N+1467))$$

$$= B_{\bar{N}}(2N+1470 - (N+2054)) + B_{\bar{N}}(2N+1470 - (2N-996)) + B_{\bar{N}}(2N+1470 - (N+2055))$$

$$= B_{\bar{N}}(N-584) + B_{\bar{N}}(2466) + B_{\bar{N}}(N-585) = (N-584) + 2466 + (N-585) = 2N+1297$$

$$(N \ge 2466)$$

$$B_{\bar{N}}(2N+1471) = B_{\bar{N}}(2N+1471-B_{\bar{N}}(2N+1470)) + B_{\bar{N}}(2N+1471-B_{\bar{N}}(2N+1469)) + B_{\bar{N}}(2N+1471-B_{\bar{N}}(2N+1468))$$

$$= B_{\bar{N}}(2N+1471-(2N+1297)) + B_{\bar{N}}(2N+1471-(N+2054)) + B_{\bar{N}}(2N+1471-(2N-996))$$

$$= B_{\bar{N}}(174) + B_{\bar{N}}(N-583) + B_{\bar{N}}(2467) = 174 + (N-583) + 2467 = N + 2058$$

$$(N \ge 2467)$$

$$B_{\bar{N}}(2N+1472) = B_{\bar{N}}(2N+1472-B_{\bar{N}}(2N+1471)) + B_{\bar{N}}(2N+1472-B_{\bar{N}}(2N+1470)) + B_{\bar{N}}(2N+1472-B_{\bar{N}}(2N+1469))$$

$$= B_{\bar{N}}(2N+1472-(N+2058)) + B_{\bar{N}}(2N+1472-(2N+1297)) + B_{\bar{N}}(2N+1472-(N+2054))$$

$$= B_{\bar{N}}(N-586) + B_{\bar{N}}(175) + B_{\bar{N}}(N-582) = (N-586) + 175 + (N-582) = 2N-993$$

$$(N \ge 587)$$

$$B_{\bar{N}}(2N+1473) = B_{\bar{N}}(2N+1473-B_{\bar{N}}(2N+1472)) + B_{\bar{N}}(2N+1473-B_{\bar{N}}(2N+1471)) + B_{\bar{N}}(2N+1473-B_{\bar{N}}(2N+1470))$$

$$= B_{\bar{N}}(2N+1473-(2N-993)) + B_{\bar{N}}(2N+1473-(N+2058)) + B_{\bar{N}}(2N+1473-(2N+1297))$$

$$= B_{\bar{N}}(2466) + B_{\bar{N}}(N-585) + B_{\bar{N}}(176) = 2466 + (N-585) + 176 = N + 2057$$

$$(N \ge 2466)$$

$$B_{\bar{N}}(2N+1474) = B_{\bar{N}}(2N+1474-B_{\bar{N}}(2N+1473)) + B_{\bar{N}}(2N+1474-B_{\bar{N}}(2N+1472)) + B_{\bar{N}}(2N+1474-B_{\bar{N}}(2N+1471))$$

$$= B_{\bar{N}}(2N+1474-(N+2057)) + B_{\bar{N}}(2N+1474-(2N-993)) + B_{\bar{N}}(2N+1474-(N+2058))$$

$$= B_{\bar{N}}(N-583) + B_{\bar{N}}(2467) + B_{\bar{N}}(N-584) = (N-583) + 2467 + (N-584) = 2N+1300$$

$$(N \ge 2467)$$

$$B_{\bar{N}}(2N+1475) = B_{\bar{N}}(2N+1475 - B_{\bar{N}}(2N+1474)) + B_{\bar{N}}(2N+1475 - B_{\bar{N}}(2N+1473)) + B_{\bar{N}}(2N+1475 - B_{\bar{N}}(2N+1475))$$

$$= B_{\bar{N}}(2N+1475 - (2N+1300)) + B_{\bar{N}}(2N+1475 - (N+2057)) + B_{\bar{N}}(2N+1475 - (2N-993))$$

$$= B_{\bar{N}}(175) + B_{\bar{N}}(N-582) + B_{\bar{N}}(2468) = 175 + (N-582) + 2468 = N + 2061$$

$$(N \ge 2468)$$

$$B_{\bar{N}}(2N+1476) = B_{\bar{N}}(2N+1476-B_{\bar{N}}(2N+1475)) + B_{\bar{N}}(2N+1476-B_{\bar{N}}(2N+1474)) + B_{\bar{N}}(2N+1476-B_{\bar{N}}(2N+1473))$$

$$= B_{\bar{N}}(2N+1476-(N+2061)) + B_{\bar{N}}(2N+1476-(2N+1300)) + B_{\bar{N}}(2N+1476-(N+2057))$$

$$= B_{\bar{N}}(N-585) + B_{\bar{N}}(176) + B_{\bar{N}}(N-581) = (N-585) + 176 + (N-581) = 2N-990$$

$$(N > 586)$$

$$B_{\bar{N}}(2N+1477) = B_{\bar{N}}(2N+1477 - B_{\bar{N}}(2N+1476)) + B_{\bar{N}}(2N+1477 - B_{\bar{N}}(2N+1475)) + B_{\bar{N}}(2N+1477 - B_{\bar{N}}(2N+1474))$$

$$= B_{\bar{N}}(2N+1477 - (2N-990)) + B_{\bar{N}}(2N+1477 - (N+2061)) + B_{\bar{N}}(2N+1477 - (2N+1300))$$

$$= B_{\bar{N}}(2467) + B_{\bar{N}}(N-584) + B_{\bar{N}}(177) = 2467 + (N-584) + 177 = N + 2060$$

$$(N \ge 2467)$$

$$B_{\bar{N}}(2N+1478) = B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1477)) + B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1476)) + B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2N+1478-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1479) = B_{\bar{N}}(2N+1479 - B_{\bar{N}}(2N+1478)) + B_{\bar{N}}(2N+1479 - B_{\bar{N}}(2N+1477)) + B_{\bar{N}}(2N+1479 - B_{\bar{N}}(2N+1479))$$

$$= B_{\bar{N}}(2N+1479 - (2N+1303)) + B_{\bar{N}}(2N+1479 - (N+2060)) + B_{\bar{N}}(2N+1479 - (2N-990))$$

$$= B_{\bar{N}}(176) + B_{\bar{N}}(N-581) + B_{\bar{N}}(2469) = 176 + (N-581) + 2469 = N + 2064$$

$$(N \ge 2469)$$

$$B_{\bar{N}}(2N+1480) = B_{\bar{N}}(2N+1480-B_{\bar{N}}(2N+1479)) + B_{\bar{N}}(2N+1480-B_{\bar{N}}(2N+1478)) + B_{\bar{N}}(2N+1480-B_{\bar{N}}(2N+1477))$$

$$= B_{\bar{N}}(2N+1480-(N+2064)) + B_{\bar{N}}(2N+1480-(2N+1303)) + B_{\bar{N}}(2N+1480-(N+2060))$$

$$= B_{\bar{N}}(N-584) + B_{\bar{N}}(177) + B_{\bar{N}}(N-580) = (N-584) + 177 + (N-580) = 2N-987$$

$$(N \ge 585)$$

$$B_{\bar{N}}(2N+1481) = B_{\bar{N}}(2N+1481-B_{\bar{N}}(2N+1480)) + B_{\bar{N}}(2N+1481-B_{\bar{N}}(2N+1479)) + B_{\bar{N}}(2N+1481-B_{\bar{N}}(2N+1478))$$

$$= B_{\bar{N}}(2N+1481-(2N-987)) + B_{\bar{N}}(2N+1481-(N+2064)) + B_{\bar{N}}(2N+1481-(2N+1303))$$

$$= B_{\bar{N}}(2468) + B_{\bar{N}}(N-583) + B_{\bar{N}}(178) = 2468 + (N-583) + 178 = N + 2063$$

$$(N > 2468)$$

$$B_{\bar{N}}(2N+1482) = B_{\bar{N}}(2N+1482-B_{\bar{N}}(2N+1481)) + B_{\bar{N}}(2N+1482-B_{\bar{N}}(2N+1480)) + B_{\bar{N}}(2N+1482-B_{\bar{N}}(2N+1479))$$

$$= B_{\bar{N}}(2N+1482-(N+2063)) + B_{\bar{N}}(2N+1482-(2N-987)) + B_{\bar{N}}(2N+1482-(N+2064))$$

$$= B_{\bar{N}}(N-581) + B_{\bar{N}}(2469) + B_{\bar{N}}(N-582) = (N-581) + 2469 + (N-582) = 2N+1306$$

$$(N \ge 2469)$$

$$B_{\bar{N}}(2N+1483) = B_{\bar{N}}(2N+1483 - B_{\bar{N}}(2N+1482)) + B_{\bar{N}}(2N+1483 - B_{\bar{N}}(2N+1481)) + B_{\bar{N}}(2N+1483 - B_{\bar{N}}(2N+1480))$$

$$= B_{\bar{N}}(2N+1483 - (2N+1306)) + B_{\bar{N}}(2N+1483 - (N+2063)) + B_{\bar{N}}(2N+1483 - (2N-987))$$

$$= B_{\bar{N}}(177) + B_{\bar{N}}(N-580) + B_{\bar{N}}(2470) = 177 + (N-580) + 2470 = N + 2067$$

$$(N \ge 2470)$$

$$B_{\bar{N}}(2N+1484) = B_{\bar{N}}(2N+1484-B_{\bar{N}}(2N+1483)) + B_{\bar{N}}(2N+1484-B_{\bar{N}}(2N+1482)) + B_{\bar{N}}(2N+1484-B_{\bar{N}}(2N+1481))$$

$$= B_{\bar{N}}(2N+1484-(N+2067)) + B_{\bar{N}}(2N+1484-(2N+1306)) + B_{\bar{N}}(2N+1484-(N+2063))$$

$$= B_{\bar{N}}(N-583) + B_{\bar{N}}(178) + B_{\bar{N}}(N-579) = (N-583) + 178 + (N-579) = 2N-984$$

$$(N \ge 584)$$

$$B_{\bar{N}}(2N+1485) = B_{\bar{N}}(2N+1485-B_{\bar{N}}(2N+1484)) + B_{\bar{N}}(2N+1485-B_{\bar{N}}(2N+1483)) + B_{\bar{N}}(2N+1485-B_{\bar{N}}(2N+1482))$$

$$= B_{\bar{N}}(2N+1485-(2N-984)) + B_{\bar{N}}(2N+1485-(N+2067)) + B_{\bar{N}}(2N+1485-(2N+1306))$$

$$= B_{\bar{N}}(2469) + B_{\bar{N}}(N-582) + B_{\bar{N}}(179) = 2469 + (N-582) + 179 = N + 2066$$

$$(N \ge 2469)$$

$$B_{\bar{N}}(2N+1486) = B_{\bar{N}}(2N+1486-B_{\bar{N}}(2N+1485)) + B_{\bar{N}}(2N+1486-B_{\bar{N}}(2N+1484)) + B_{\bar{N}}(2N+1486-B_{\bar{N}}(2N+1483))$$

$$= B_{\bar{N}}(2N+1486-(N+2066)) + B_{\bar{N}}(2N+1486-(2N-984)) + B_{\bar{N}}(2N+1486-(N+2067))$$

$$= B_{\bar{N}}(N-580) + B_{\bar{N}}(2470) + B_{\bar{N}}(N-581) = (N-580) + 2470 + (N-581) = 2N+1309$$

$$(N \ge 2470)$$

$$B_{\bar{N}}(2N+1487) = B_{\bar{N}}(2N+1487-B_{\bar{N}}(2N+1486)) + B_{\bar{N}}(2N+1487-B_{\bar{N}}(2N+1485)) + B_{\bar{N}}(2N+1487-B_{\bar{N}}(2N+1484))$$

$$= B_{\bar{N}}(2N+1487-(2N+1309)) + B_{\bar{N}}(2N+1487-(N+2066)) + B_{\bar{N}}(2N+1487-(2N-984))$$

$$= B_{\bar{N}}(178) + B_{\bar{N}}(N-579) + B_{\bar{N}}(2471) = 178 + (N-579) + 2471 = N + 2070$$

$$(N \ge 2471)$$

$$B_{\bar{N}}(2N+1488) = B_{\bar{N}}(2N+1488-B_{\bar{N}}(2N+1487)) + B_{\bar{N}}(2N+1488-B_{\bar{N}}(2N+1486)) + B_{\bar{N}}(2N+1488-B_{\bar{N}}(2N+1485))$$

$$= B_{\bar{N}}(2N+1488-(N+2070)) + B_{\bar{N}}(2N+1488-(2N+1309)) + B_{\bar{N}}(2N+1488-(N+2066))$$

$$= B_{\bar{N}}(N-582) + B_{\bar{N}}(179) + B_{\bar{N}}(N-578) = (N-582) + 179 + (N-578) = 2N-981$$

$$(N \ge 583)$$

$$B_{\bar{N}}(2N+1489) = B_{\bar{N}}(2N+1489 - B_{\bar{N}}(2N+1488)) + B_{\bar{N}}(2N+1489 - B_{\bar{N}}(2N+1487)) + B_{\bar{N}}(2N+1489 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1490) = B_{\bar{N}}(2N+1490-B_{\bar{N}}(2N+1489)) + B_{\bar{N}}(2N+1490-B_{\bar{N}}(2N+1488)) + B_{\bar{N}}(2N+1490-B_{\bar{N}}(2N+1487))$$

$$= B_{\bar{N}}(2N+1490-(N+2069)) + B_{\bar{N}}(2N+1490-(2N-981)) + B_{\bar{N}}(2N+1490-(N+2070))$$

$$= B_{\bar{N}}(N-579) + B_{\bar{N}}(2471) + B_{\bar{N}}(N-580) = (N-579) + 2471 + (N-580) = 2N+1312$$

$$(N \ge 2471)$$

$$B_{\bar{N}}(2N+1491) = B_{\bar{N}}(2N+1491-B_{\bar{N}}(2N+1490)) + B_{\bar{N}}(2N+1491-B_{\bar{N}}(2N+1489)) + B_{\bar{N}}(2N+1491-B_{\bar{N}}(2N+1488))$$

$$= B_{\bar{N}}(2N+1491-(2N+1312)) + B_{\bar{N}}(2N+1491-(N+2069)) + B_{\bar{N}}(2N+1491-(2N-981))$$

$$= B_{\bar{N}}(179) + B_{\bar{N}}(N-578) + B_{\bar{N}}(2472) = 179 + (N-578) + 2472 = N + 2073$$

$$(N > 2472)$$

$$B_{\bar{N}}(2N+1492) = B_{\bar{N}}(2N+1492-B_{\bar{N}}(2N+1491)) + B_{\bar{N}}(2N+1492-B_{\bar{N}}(2N+1490)) + B_{\bar{N}}(2N+1492-B_{\bar{N}}(2N+1492))$$

$$= B_{\bar{N}}(2N+1492-(N+2073)) + B_{\bar{N}}(2N+1492-(2N+1312)) + B_{\bar{N}}(2N+1492-(N+2069))$$

$$= B_{\bar{N}}(N-581) + B_{\bar{N}}(180) + B_{\bar{N}}(N-577) = (N-581) + 180 + (N-577) = 2N-978$$

$$(N \ge 582)$$

$$B_{\bar{N}}(2N+1493) = B_{\bar{N}}(2N+1493-B_{\bar{N}}(2N+1492)) + B_{\bar{N}}(2N+1493-B_{\bar{N}}(2N+1491)) + B_{\bar{N}}(2N+1493-B_{\bar{N}}(2N+1490))$$

$$= B_{\bar{N}}(2N+1493-(2N-978)) + B_{\bar{N}}(2N+1493-(N+2073)) + B_{\bar{N}}(2N+1493-(2N+1312))$$

$$= B_{\bar{N}}(2471) + B_{\bar{N}}(N-580) + B_{\bar{N}}(181) = 2471 + (N-580) + 181 = N + 2072$$

$$(N \ge 2471)$$

$$B_{\bar{N}}(2N+1494) = B_{\bar{N}}(2N+1494-B_{\bar{N}}(2N+1493)) + B_{\bar{N}}(2N+1494-B_{\bar{N}}(2N+1492)) + B_{\bar{N}}(2N+1494-B_{\bar{N}}(2N+1491))$$

$$= B_{\bar{N}}(2N+1494-(N+2072)) + B_{\bar{N}}(2N+1494-(2N-978)) + B_{\bar{N}}(2N+1494-(N+2073))$$

$$= B_{\bar{N}}(N-578) + B_{\bar{N}}(2472) + B_{\bar{N}}(N-579) = (N-578) + 2472 + (N-579) = 2N+1315$$

$$(N \ge 2472)$$

$$B_{\bar{N}}(2N+1495) = B_{\bar{N}}(2N+1495-B_{\bar{N}}(2N+1494)) + B_{\bar{N}}(2N+1495-B_{\bar{N}}(2N+1493)) + B_{\bar{N}}(2N+1495-B_{\bar{N}}(2N+1492))$$

$$= B_{\bar{N}}(2N+1495-(2N+1315)) + B_{\bar{N}}(2N+1495-(N+2072)) + B_{\bar{N}}(2N+1495-(2N-978))$$

$$= B_{\bar{N}}(180) + B_{\bar{N}}(N-577) + B_{\bar{N}}(2473) = 180 + (N-577) + 2473 = N + 2076$$

$$(N \ge 2473)$$

$$B_{\bar{N}}(2N+1496) = B_{\bar{N}}(2N+1496-B_{\bar{N}}(2N+1495)) + B_{\bar{N}}(2N+1496-B_{\bar{N}}(2N+1494)) + B_{\bar{N}}(2N+1496-B_{\bar{N}}(2N+1493))$$

$$= B_{\bar{N}}(2N+1496-(N+2076)) + B_{\bar{N}}(2N+1496-(2N+1315)) + B_{\bar{N}}(2N+1496-(N+2072))$$

$$= B_{\bar{N}}(N-580) + B_{\bar{N}}(181) + B_{\bar{N}}(N-576) = (N-580) + 181 + (N-576) = 2N-975$$

$$(N > 581)$$

$$B_{\bar{N}}(2N+1497) = B_{\bar{N}}(2N+1497 - B_{\bar{N}}(2N+1496)) + B_{\bar{N}}(2N+1497 - B_{\bar{N}}(2N+1495)) + B_{\bar{N}}(2N+1497 - B_{\bar{N}}(2N+1494))$$

$$= B_{\bar{N}}(2N+1497 - (2N-975)) + B_{\bar{N}}(2N+1497 - (N+2076)) + B_{\bar{N}}(2N+1497 - (2N+1315))$$

$$= B_{\bar{N}}(2472) + B_{\bar{N}}(N-579) + B_{\bar{N}}(182) = 2472 + (N-579) + 182 = N + 2075$$

$$(N \ge 2472)$$

$$B_{\bar{N}}(2N+1498) = B_{\bar{N}}(2N+1498-B_{\bar{N}}(2N+1497)) + B_{\bar{N}}(2N+1498-B_{\bar{N}}(2N+1496)) + B_{\bar{N}}(2N+1498-B_{\bar{N}}(2N+1495))$$

$$= B_{\bar{N}}(2N+1498-(N+2075)) + B_{\bar{N}}(2N+1498-(2N-975)) + B_{\bar{N}}(2N+1498-(N+2076))$$

$$= B_{\bar{N}}(N-577) + B_{\bar{N}}(2473) + B_{\bar{N}}(N-578) = (N-577) + 2473 + (N-578) = 2N+1318$$

$$(N \ge 2473)$$

$$B_{\bar{N}}(2N+1499) = B_{\bar{N}}(2N+1499 - B_{\bar{N}}(2N+1498)) + B_{\bar{N}}(2N+1499 - B_{\bar{N}}(2N+1497)) + B_{\bar{N}}(2N+1499 - B_{\bar{N}}(2N+1496))$$

$$= B_{\bar{N}}(2N+1499 - (2N+1318)) + B_{\bar{N}}(2N+1499 - (N+2075)) + B_{\bar{N}}(2N+1499 - (2N-975))$$

$$= B_{\bar{N}}(181) + B_{\bar{N}}(N-576) + B_{\bar{N}}(2474) = 181 + (N-576) + 2474 = N + 2079$$

$$(N \ge 2474)$$

$$B_{\bar{N}}(2N+1500) = B_{\bar{N}}(2N+1500-B_{\bar{N}}(2N+1499)) + B_{\bar{N}}(2N+1500-B_{\bar{N}}(2N+1498)) + B_{\bar{N}}(2N+1500-B_{\bar{N}}(2N+1497))$$

$$= B_{\bar{N}}(2N+1500-(N+2079)) + B_{\bar{N}}(2N+1500-(2N+1318)) + B_{\bar{N}}(2N+1500-(N+2075))$$

$$= B_{\bar{N}}(N-579) + B_{\bar{N}}(182) + B_{\bar{N}}(N-575) = (N-579) + 182 + (N-575) = 2N-972$$

$$(N \ge 580)$$

$$B_{\bar{N}}(2N+1501) = B_{\bar{N}}(2N+1501-B_{\bar{N}}(2N+1500)) + B_{\bar{N}}(2N+1501-B_{\bar{N}}(2N+1499)) + B_{\bar{N}}(2N+1501-B_{\bar{N}}(2N+1498))$$

$$= B_{\bar{N}}(2N+1501-(2N-972)) + B_{\bar{N}}(2N+1501-(N+2079)) + B_{\bar{N}}(2N+1501-(2N+1318))$$

$$= B_{\bar{N}}(2473) + B_{\bar{N}}(N-578) + B_{\bar{N}}(183) = 2473 + (N-578) + 183 = N + 2078$$

$$(N \ge 2473)$$

$$B_{\bar{N}}(2N+1502) = B_{\bar{N}}(2N+1502-B_{\bar{N}}(2N+1501)) + B_{\bar{N}}(2N+1502-B_{\bar{N}}(2N+1500)) + B_{\bar{N}}(2N+1502-B_{\bar{N}}(2N+1499))$$

$$= B_{\bar{N}}(2N+1502-(N+2078)) + B_{\bar{N}}(2N+1502-(2N-972)) + B_{\bar{N}}(2N+1502-(N+2079))$$

$$= B_{\bar{N}}(N-576) + B_{\bar{N}}(2474) + B_{\bar{N}}(N-577) = (N-576) + 2474 + (N-577) = 2N+1321$$

$$(N \ge 2474)$$

$$B_{\bar{N}}(2N+1503) = B_{\bar{N}}(2N+1503-B_{\bar{N}}(2N+1502)) + B_{\bar{N}}(2N+1503-B_{\bar{N}}(2N+1501)) + B_{\bar{N}}(2N+1503-B_{\bar{N}}(2N+1500)) = B_{\bar{N}}(2N+1503-(2N+1321)) + B_{\bar{N}}(2N+1503-(N+2078)) + B_{\bar{N}}(2N+1503-(2N-972)) = B_{\bar{N}}(182) + B_{\bar{N}}(N-575) + B_{\bar{N}}(2475) = 182 + (N-575) + 2475 = N + 2082 (N \ge 2475)$$

$$B_{\bar{N}}(2N+1504) = B_{\bar{N}}(2N+1504-B_{\bar{N}}(2N+1503)) + B_{\bar{N}}(2N+1504-B_{\bar{N}}(2N+1502)) + B_{\bar{N}}(2N+1504-B_{\bar{N}}(2N+1501))$$

$$= B_{\bar{N}}(2N+1504-(N+2082)) + B_{\bar{N}}(2N+1504-(2N+1321)) + B_{\bar{N}}(2N+1504-(N+2078))$$

$$= B_{\bar{N}}(N-578) + B_{\bar{N}}(183) + B_{\bar{N}}(N-574) = (N-578) + 183 + (N-574) = 2N-969$$

$$(N \ge 579)$$

$$\begin{split} B_{\bar{N}}(2N+1505) &= B_{\bar{N}}(2N+1505-B_{\bar{N}}(2N+1504)) + B_{\bar{N}}(2N+1505-B_{\bar{N}}(2N+1503)) + B_{\bar{N}}(2N+1505-B_{\bar{N}}(2N+1502)) \\ &= B_{\bar{N}}(2N+1505-(2N-969)) + B_{\bar{N}}(2N+1505-(N+2082)) + B_{\bar{N}}(2N+1505-(2N+1321)) \\ &= B_{\bar{N}}(2474) + B_{\bar{N}}(N-577) + B_{\bar{N}}(184) = 2474 + (N-577) + 184 = N + 2081 \\ &(N \geq 2474) \end{split}$$

$$B_{\bar{N}}(2N+1506) = B_{\bar{N}}(2N+1506-B_{\bar{N}}(2N+1505)) + B_{\bar{N}}(2N+1506-B_{\bar{N}}(2N+1504)) + B_{\bar{N}}(2N+1506-B_{\bar{N}}(2N+1503))$$

$$= B_{\bar{N}}(2N+1506-(N+2081)) + B_{\bar{N}}(2N+1506-(2N-969)) + B_{\bar{N}}(2N+1506-(N+2082))$$

$$= B_{\bar{N}}(N-575) + B_{\bar{N}}(2475) + B_{\bar{N}}(N-576) = (N-575) + 2475 + (N-576) = 2N+1324$$

$$(N \ge 2475)$$

$$B_{\bar{N}}(2N+1507) = B_{\bar{N}}(2N+1507-B_{\bar{N}}(2N+1506)) + B_{\bar{N}}(2N+1507-B_{\bar{N}}(2N+1505)) + B_{\bar{N}}(2N+1507-B_{\bar{N}}(2N+1504))$$

$$= B_{\bar{N}}(2N+1507-(2N+1324)) + B_{\bar{N}}(2N+1507-(N+2081)) + B_{\bar{N}}(2N+1507-(2N-969))$$

$$= B_{\bar{N}}(183) + B_{\bar{N}}(N-574) + B_{\bar{N}}(2476) = 183 + (N-574) + 2476 = N + 2085$$

$$(N \ge 2476)$$

$$B_{\bar{N}}(2N+1508) = B_{\bar{N}}(2N+1508-B_{\bar{N}}(2N+1507)) + B_{\bar{N}}(2N+1508-B_{\bar{N}}(2N+1506)) + B_{\bar{N}}(2N+1508-B_{\bar{N}}(2N+1505)) = B_{\bar{N}}(2N+1508-(N+2085)) + B_{\bar{N}}(2N+1508-(2N+1324)) + B_{\bar{N}}(2N+1508-(N+2081)) = B_{\bar{N}}(N-577) + B_{\bar{N}}(184) + B_{\bar{N}}(N-573) = (N-577) + 184 + (N-573) = 2N-966 (N \geq 578)$$

$$B_{\bar{N}}(2N+1509) = B_{\bar{N}}(2N+1509 - B_{\bar{N}}(2N+1508)) + B_{\bar{N}}(2N+1509 - B_{\bar{N}}(2N+1507)) + B_{\bar{N}}(2N+1509 - B_{\bar{N}}(2N+1506))$$

$$= B_{\bar{N}}(2N+1509 - (2N-966)) + B_{\bar{N}}(2N+1509 - (N+2085)) + B_{\bar{N}}(2N+1509 - (2N+1324))$$

$$= B_{\bar{N}}(2475) + B_{\bar{N}}(N-576) + B_{\bar{N}}(185) = 2475 + (N-576) + 185 = N + 2084$$

$$(N \ge 2475)$$

$$B_{\bar{N}}(2N+1510) = B_{\bar{N}}(2N+1510-B_{\bar{N}}(2N+1509)) + B_{\bar{N}}(2N+1510-B_{\bar{N}}(2N+1508)) + B_{\bar{N}}(2N+1510-B_{\bar{N}}(2N+1507))$$

$$= B_{\bar{N}}(2N+1510-(N+2084)) + B_{\bar{N}}(2N+1510-(2N-966)) + B_{\bar{N}}(2N+1510-(N+2085))$$

$$= B_{\bar{N}}(N-574) + B_{\bar{N}}(2476) + B_{\bar{N}}(N-575) = (N-574) + 2476 + (N-575) = 2N+1327$$

$$(N \ge 2476)$$

$$B_{\bar{N}}(2N+1511) = B_{\bar{N}}(2N+1511-B_{\bar{N}}(2N+1510)) + B_{\bar{N}}(2N+1511-B_{\bar{N}}(2N+1509)) + B_{\bar{N}}(2N+1511-B_{\bar{N}}(2N+1508))$$

$$= B_{\bar{N}}(2N+1511-(2N+1327)) + B_{\bar{N}}(2N+1511-(N+2084)) + B_{\bar{N}}(2N+1511-(2N-966))$$

$$= B_{\bar{N}}(184) + B_{\bar{N}}(N-573) + B_{\bar{N}}(2477) = 184 + (N-573) + 2477 = N + 2088$$

$$(N \ge 2477)$$

$$B_{\bar{N}}(2N+1512) = B_{\bar{N}}(2N+1512-B_{\bar{N}}(2N+1511)) + B_{\bar{N}}(2N+1512-B_{\bar{N}}(2N+1510)) + B_{\bar{N}}(2N+1512-B_{\bar{N}}(2N+1509))$$

$$= B_{\bar{N}}(2N+1512-(N+2088)) + B_{\bar{N}}(2N+1512-(2N+1327)) + B_{\bar{N}}(2N+1512-(N+2084))$$

$$= B_{\bar{N}}(N-576) + B_{\bar{N}}(185) + B_{\bar{N}}(N-572) = (N-576) + 185 + (N-572) = 2N-963$$

$$(N \ge 577)$$

$$B_{\bar{N}}(2N+1513) = B_{\bar{N}}(2N+1513-B_{\bar{N}}(2N+1512)) + B_{\bar{N}}(2N+1513-B_{\bar{N}}(2N+1511)) + B_{\bar{N}}(2N+1513-B_{\bar{N}}(2N+1510))$$

$$= B_{\bar{N}}(2N+1513-(2N-963)) + B_{\bar{N}}(2N+1513-(N+2088)) + B_{\bar{N}}(2N+1513-(2N+1327))$$

$$= B_{\bar{N}}(2476) + B_{\bar{N}}(N-575) + B_{\bar{N}}(186) = 2476 + (N-575) + 186 = N + 2087$$

$$(N \ge 2476)$$

$$B_{\bar{N}}(2N+1514) = B_{\bar{N}}(2N+1514-B_{\bar{N}}(2N+1513)) + B_{\bar{N}}(2N+1514-B_{\bar{N}}(2N+1512)) + B_{\bar{N}}(2N+1514-B_{\bar{N}}(2N+1511))$$

$$= B_{\bar{N}}(2N+1514-(N+2087)) + B_{\bar{N}}(2N+1514-(2N-963)) + B_{\bar{N}}(2N+1514-(N+2088))$$

$$= B_{\bar{N}}(N-573) + B_{\bar{N}}(2477) + B_{\bar{N}}(N-574) = (N-573) + 2477 + (N-574) = 2N+1330$$

$$(N \ge 2477)$$

$$B_{\bar{N}}(2N+1515) = B_{\bar{N}}(2N+1515-B_{\bar{N}}(2N+1514)) + B_{\bar{N}}(2N+1515-B_{\bar{N}}(2N+1513)) + B_{\bar{N}}(2N+1515-B_{\bar{N}}(2N+1512))$$

$$= B_{\bar{N}}(2N+1515-(2N+1330)) + B_{\bar{N}}(2N+1515-(N+2087)) + B_{\bar{N}}(2N+1515-(2N-963))$$

$$= B_{\bar{N}}(185) + B_{\bar{N}}(N-572) + B_{\bar{N}}(2478) = 185 + (N-572) + 2478 = N + 2091$$

$$(N \ge 2478)$$

$$B_{\bar{N}}(2N+1516) = B_{\bar{N}}(2N+1516-B_{\bar{N}}(2N+1515)) + B_{\bar{N}}(2N+1516-B_{\bar{N}}(2N+1514)) + B_{\bar{N}}(2N+1516-B_{\bar{N}}(2N+1513))$$

$$= B_{\bar{N}}(2N+1516-(N+2091)) + B_{\bar{N}}(2N+1516-(2N+1330)) + B_{\bar{N}}(2N+1516-(N+2087))$$

$$= B_{\bar{N}}(N-575) + B_{\bar{N}}(186) + B_{\bar{N}}(N-571) = (N-575) + 186 + (N-571) = 2N-960$$

$$(N \ge 576)$$

$$B_{\bar{N}}(2N+1517) = B_{\bar{N}}(2N+1517-B_{\bar{N}}(2N+1516)) + B_{\bar{N}}(2N+1517-B_{\bar{N}}(2N+1515)) + B_{\bar{N}}(2N+1517-B_{\bar{N}}(2N+1514))$$

$$= B_{\bar{N}}(2N+1517-(2N-960)) + B_{\bar{N}}(2N+1517-(N+2091)) + B_{\bar{N}}(2N+1517-(2N+1330))$$

$$= B_{\bar{N}}(2477) + B_{\bar{N}}(N-574) + B_{\bar{N}}(187) = 2477 + (N-574) + 187 = N + 2090$$

$$(N \ge 2477)$$

$$B_{\bar{N}}(2N+1518) = B_{\bar{N}}(2N+1518-B_{\bar{N}}(2N+1517)) + B_{\bar{N}}(2N+1518-B_{\bar{N}}(2N+1516)) + B_{\bar{N}}(2N+1518-B_{\bar{N}}(2N+1515))$$

$$= B_{\bar{N}}(2N+1518-(N+2090)) + B_{\bar{N}}(2N+1518-(2N-960)) + B_{\bar{N}}(2N+1518-(N+2091))$$

$$= B_{\bar{N}}(N-572) + B_{\bar{N}}(2478) + B_{\bar{N}}(N-573) = (N-572) + 2478 + (N-573) = 2N+1333$$

$$(N \ge 2478)$$

$$B_{\bar{N}}(2N+1519) = B_{\bar{N}}(2N+1519 - B_{\bar{N}}(2N+1518)) + B_{\bar{N}}(2N+1519 - B_{\bar{N}}(2N+1517)) + B_{\bar{N}}(2N+1519 - B_{\bar{N}}(2N+1516))$$

$$= B_{\bar{N}}(2N+1519 - (2N+1333)) + B_{\bar{N}}(2N+1519 - (N+2090)) + B_{\bar{N}}(2N+1519 - (2N-960))$$

$$= B_{\bar{N}}(186) + B_{\bar{N}}(N-571) + B_{\bar{N}}(2479) = 186 + (N-571) + 2479 = N + 2094$$

$$(N \ge 2479)$$

$$B_{\bar{N}}(2N+1520) = B_{\bar{N}}(2N+1520-B_{\bar{N}}(2N+1519)) + B_{\bar{N}}(2N+1520-B_{\bar{N}}(2N+1518)) + B_{\bar{N}}(2N+1520-B_{\bar{N}}(2N+1517))$$

$$= B_{\bar{N}}(2N+1520-(N+2094)) + B_{\bar{N}}(2N+1520-(2N+1333)) + B_{\bar{N}}(2N+1520-(N+2090))$$

$$= B_{\bar{N}}(N-574) + B_{\bar{N}}(187) + B_{\bar{N}}(N-570) = (N-574) + 187 + (N-570) = 2N-957$$

$$(N \ge 575)$$

$$B_{\bar{N}}(2N+1521) = B_{\bar{N}}(2N+1521-B_{\bar{N}}(2N+1520)) + B_{\bar{N}}(2N+1521-B_{\bar{N}}(2N+1519)) + B_{\bar{N}}(2N+1521-B_{\bar{N}}(2N+1518))$$

$$= B_{\bar{N}}(2N+1521-(2N-957)) + B_{\bar{N}}(2N+1521-(N+2094)) + B_{\bar{N}}(2N+1521-(2N+1333))$$

$$= B_{\bar{N}}(2478) + B_{\bar{N}}(N-573) + B_{\bar{N}}(188) = 2478 + (N-573) + 188 = N + 2093$$

$$(N \ge 2478)$$

$$B_{\bar{N}}(2N+1522) = B_{\bar{N}}(2N+1522-B_{\bar{N}}(2N+1521)) + B_{\bar{N}}(2N+1522-B_{\bar{N}}(2N+1520)) + B_{\bar{N}}(2N+1522-B_{\bar{N}}(2N+1519))$$

$$= B_{\bar{N}}(2N+1522-(N+2093)) + B_{\bar{N}}(2N+1522-(2N-957)) + B_{\bar{N}}(2N+1522-(N+2094))$$

$$= B_{\bar{N}}(N-571) + B_{\bar{N}}(2479) + B_{\bar{N}}(N-572) = (N-571) + 2479 + (N-572) = 2N+1336$$

$$(N \ge 2479)$$

$$B_{\bar{N}}(2N+1523) = B_{\bar{N}}(2N+1523-B_{\bar{N}}(2N+1522)) + B_{\bar{N}}(2N+1523-B_{\bar{N}}(2N+1521)) + B_{\bar{N}}(2N+1523-B_{\bar{N}}(2N+1520))$$

$$= B_{\bar{N}}(2N+1523-(2N+1336)) + B_{\bar{N}}(2N+1523-(N+2093)) + B_{\bar{N}}(2N+1523-(2N-957))$$

$$= B_{\bar{N}}(187) + B_{\bar{N}}(N-570) + B_{\bar{N}}(2480) = 187 + (N-570) + 2480 = N + 2097$$

$$(N \ge 2480)$$

$$B_{\bar{N}}(2N+1524) = B_{\bar{N}}(2N+1524-B_{\bar{N}}(2N+1523)) + B_{\bar{N}}(2N+1524-B_{\bar{N}}(2N+1522)) + B_{\bar{N}}(2N+1524-B_{\bar{N}}(2N+1521))$$

$$= B_{\bar{N}}(2N+1524-(N+2097)) + B_{\bar{N}}(2N+1524-(2N+1336)) + B_{\bar{N}}(2N+1524-(N+2093))$$

$$= B_{\bar{N}}(N-573) + B_{\bar{N}}(188) + B_{\bar{N}}(N-569) = (N-573) + 188 + (N-569) = 2N-954$$

$$(N \ge 574)$$

$$B_{\bar{N}}(2N+1525) = B_{\bar{N}}(2N+1525-B_{\bar{N}}(2N+1524)) + B_{\bar{N}}(2N+1525-B_{\bar{N}}(2N+1523)) + B_{\bar{N}}(2N+1525-B_{\bar{N}}(2N+1525))$$

$$= B_{\bar{N}}(2N+1525-(2N-954)) + B_{\bar{N}}(2N+1525-(N+2097)) + B_{\bar{N}}(2N+1525-(2N+1336))$$

$$= B_{\bar{N}}(2479) + B_{\bar{N}}(N-572) + B_{\bar{N}}(189) = 2479 + (N-572) + 189 = N + 2096$$

$$(N \ge 2479)$$

$$B_{\bar{N}}(2N+1526) = B_{\bar{N}}(2N+1526-B_{\bar{N}}(2N+1525)) + B_{\bar{N}}(2N+1526-B_{\bar{N}}(2N+1524)) + B_{\bar{N}}(2N+1526-B_{\bar{N}}(2N+1523))$$

$$= B_{\bar{N}}(2N+1526-(N+2096)) + B_{\bar{N}}(2N+1526-(2N-954)) + B_{\bar{N}}(2N+1526-(N+2097))$$

$$= B_{\bar{N}}(N-570) + B_{\bar{N}}(2480) + B_{\bar{N}}(N-571) = (N-570) + 2480 + (N-571) = 2N+1339$$

$$(N \ge 2480)$$

$$B_{\bar{N}}(2N+1527) = B_{\bar{N}}(2N+1527 - B_{\bar{N}}(2N+1526)) + B_{\bar{N}}(2N+1527 - B_{\bar{N}}(2N+1525)) + B_{\bar{N}}(2N+1527 - B_{\bar{N}}(2N+1524))$$

$$= B_{\bar{N}}(2N+1527 - (2N+1339)) + B_{\bar{N}}(2N+1527 - (N+2096)) + B_{\bar{N}}(2N+1527 - (2N-954))$$

$$= B_{\bar{N}}(188) + B_{\bar{N}}(N-569) + B_{\bar{N}}(2481) = 188 + (N-569) + 2481 = N + 2100$$

$$(N \ge 2481)$$

$$B_{\bar{N}}(2N+1528) = B_{\bar{N}}(2N+1528-B_{\bar{N}}(2N+1527)) + B_{\bar{N}}(2N+1528-B_{\bar{N}}(2N+1526)) + B_{\bar{N}}(2N+1528-B_{\bar{N}}(2N+1525))$$

$$= B_{\bar{N}}(2N+1528-(N+2100)) + B_{\bar{N}}(2N+1528-(2N+1339)) + B_{\bar{N}}(2N+1528-(N+2096))$$

$$= B_{\bar{N}}(N-572) + B_{\bar{N}}(189) + B_{\bar{N}}(N-568) = (N-572) + 189 + (N-568) = 2N-951$$

$$(N \ge 573)$$

$$B_{\bar{N}}(2N+1529) = B_{\bar{N}}(2N+1529 - B_{\bar{N}}(2N+1528)) + B_{\bar{N}}(2N+1529 - B_{\bar{N}}(2N+1527)) + B_{\bar{N}}(2N+1529 - B_{\bar{N}}(2N+1526))$$

$$= B_{\bar{N}}(2N+1529 - (2N-951)) + B_{\bar{N}}(2N+1529 - (N+2100)) + B_{\bar{N}}(2N+1529 - (2N+1339))$$

$$= B_{\bar{N}}(2480) + B_{\bar{N}}(N-571) + B_{\bar{N}}(190) = 2480 + (N-571) + 190 = N + 2099$$

$$(N \ge 2480)$$

$$B_{\bar{N}}(2N+1530) = B_{\bar{N}}(2N+1530-B_{\bar{N}}(2N+1529)) + B_{\bar{N}}(2N+1530-B_{\bar{N}}(2N+1528)) + B_{\bar{N}}(2N+1530-B_{\bar{N}}(2N+1527))$$

$$= B_{\bar{N}}(2N+1530-(N+2099)) + B_{\bar{N}}(2N+1530-(2N-951)) + B_{\bar{N}}(2N+1530-(N+2100))$$

$$= B_{\bar{N}}(N-569) + B_{\bar{N}}(2481) + B_{\bar{N}}(N-570) = (N-569) + 2481 + (N-570) = 2N+1342$$

$$(N \ge 2481)$$

$$B_{\bar{N}}(2N+1531) = B_{\bar{N}}(2N+1531-B_{\bar{N}}(2N+1530)) + B_{\bar{N}}(2N+1531-B_{\bar{N}}(2N+1529)) + B_{\bar{N}}(2N+1531-B_{\bar{N}}(2N+1528))$$

$$= B_{\bar{N}}(2N+1531-(2N+1342)) + B_{\bar{N}}(2N+1531-(N+2099)) + B_{\bar{N}}(2N+1531-(2N-951))$$

$$= B_{\bar{N}}(189) + B_{\bar{N}}(N-568) + B_{\bar{N}}(2482) = 189 + (N-568) + 2482 = N + 2103$$

$$(N \ge 2482)$$

$$B_{\bar{N}}(2N+1532) = B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1531)) + B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1530)) + B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2N+1532-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1533) = B_{\bar{N}}(2N+1533-B_{\bar{N}}(2N+1532)) + B_{\bar{N}}(2N+1533-B_{\bar{N}}(2N+1531)) + B_{\bar{N}}(2N+1533-B_{\bar{N}}(2N+1530))$$

$$= B_{\bar{N}}(2N+1533-(2N-948)) + B_{\bar{N}}(2N+1533-(N+2103)) + B_{\bar{N}}(2N+1533-(2N+1342))$$

$$= B_{\bar{N}}(2481) + B_{\bar{N}}(N-570) + B_{\bar{N}}(191) = 2481 + (N-570) + 191 = N + 2102$$

$$(N \ge 2481)$$

$$B_{\bar{N}}(2N+1534) = B_{\bar{N}}(2N+1534-B_{\bar{N}}(2N+1533)) + B_{\bar{N}}(2N+1534-B_{\bar{N}}(2N+1532)) + B_{\bar{N}}(2N+1534-B_{\bar{N}}(2N+1531))$$

$$= B_{\bar{N}}(2N+1534-(N+2102)) + B_{\bar{N}}(2N+1534-(2N-948)) + B_{\bar{N}}(2N+1534-(N+2103))$$

$$= B_{\bar{N}}(N-568) + B_{\bar{N}}(2482) + B_{\bar{N}}(N-569) = (N-568) + 2482 + (N-569) = 2N+1345$$

$$(N \ge 2482)$$

$$B_{\bar{N}}(2N+1535) = B_{\bar{N}}(2N+1535-B_{\bar{N}}(2N+1534)) + B_{\bar{N}}(2N+1535-B_{\bar{N}}(2N+1533)) + B_{\bar{N}}(2N+1535-B_{\bar{N}}(2N+1532))$$

$$= B_{\bar{N}}(2N+1535-(2N+1345)) + B_{\bar{N}}(2N+1535-(N+2102)) + B_{\bar{N}}(2N+1535-(2N-948))$$

$$= B_{\bar{N}}(190) + B_{\bar{N}}(N-567) + B_{\bar{N}}(2483) = 190 + (N-567) + 2483 = N + 2106$$

$$(N \ge 2483)$$

$$B_{\bar{N}}(2N+1536) = B_{\bar{N}}(2N+1536-B_{\bar{N}}(2N+1535)) + B_{\bar{N}}(2N+1536-B_{\bar{N}}(2N+1534)) + B_{\bar{N}}(2N+1536-B_{\bar{N}}(2N+1533))$$

$$= B_{\bar{N}}(2N+1536-(N+2106)) + B_{\bar{N}}(2N+1536-(2N+1345)) + B_{\bar{N}}(2N+1536-(N+2102))$$

$$= B_{\bar{N}}(N-570) + B_{\bar{N}}(191) + B_{\bar{N}}(N-566) = (N-570) + 191 + (N-566) = 2N-945$$

$$(N \ge 571)$$

$$B_{\bar{N}}(2N+1537) = B_{\bar{N}}(2N+1537-B_{\bar{N}}(2N+1536)) + B_{\bar{N}}(2N+1537-B_{\bar{N}}(2N+1535)) + B_{\bar{N}}(2N+1537-B_{\bar{N}}(2N+1534))$$

$$= B_{\bar{N}}(2N+1537-(2N-945)) + B_{\bar{N}}(2N+1537-(N+2106)) + B_{\bar{N}}(2N+1537-(2N+1345))$$

$$= B_{\bar{N}}(2482) + B_{\bar{N}}(N-569) + B_{\bar{N}}(192) = 2482 + (N-569) + 192 = N + 2105$$

$$(N \ge 2482)$$

$$B_{\bar{N}}(2N+1538) = B_{\bar{N}}(2N+1538-B_{\bar{N}}(2N+1537)) + B_{\bar{N}}(2N+1538-B_{\bar{N}}(2N+1536)) + B_{\bar{N}}(2N+1538-B_{\bar{N}}(2N+1535)) = B_{\bar{N}}(2N+1538-(N+2105)) + B_{\bar{N}}(2N+1538-(2N-945)) + B_{\bar{N}}(2N+1538-(N+2106)) = B_{\bar{N}}(N-567) + B_{\bar{N}}(2483) + B_{\bar{N}}(N-568) = (N-567) + 2483 + (N-568) = 2N+1348 (N \ge 2483)$$

$$B_{\bar{N}}(2N+1539) = B_{\bar{N}}(2N+1539 - B_{\bar{N}}(2N+1538)) + B_{\bar{N}}(2N+1539 - B_{\bar{N}}(2N+1537)) + B_{\bar{N}}(2N+1539 - B_{\bar{N}}(2N+1539))$$

$$= B_{\bar{N}}(2N+1539 - (2N+1348)) + B_{\bar{N}}(2N+1539 - (N+2105)) + B_{\bar{N}}(2N+1539 - (2N-945))$$

$$= B_{\bar{N}}(191) + B_{\bar{N}}(N-566) + B_{\bar{N}}(2484) = 191 + (N-566) + 2484 = N + 2109$$

$$(N \ge 2484)$$

$$B_{\bar{N}}(2N+1540) = B_{\bar{N}}(2N+1540 - B_{\bar{N}}(2N+1539)) + B_{\bar{N}}(2N+1540 - B_{\bar{N}}(2N+1538)) + B_{\bar{N}}(2N+1540 - B_{\bar{N}}(2N+1537))$$

$$= B_{\bar{N}}(2N+1540 - (N+2109)) + B_{\bar{N}}(2N+1540 - (2N+1348)) + B_{\bar{N}}(2N+1540 - (N+2105))$$

$$= B_{\bar{N}}(N-569) + B_{\bar{N}}(192) + B_{\bar{N}}(N-565) = (N-569) + 192 + (N-565) = 2N-942$$

$$(N \ge 570)$$

$$B_{\bar{N}}(2N+1541) = B_{\bar{N}}(2N+1541-B_{\bar{N}}(2N+1540)) + B_{\bar{N}}(2N+1541-B_{\bar{N}}(2N+1539)) + B_{\bar{N}}(2N+1541-B_{\bar{N}}(2N+1538))$$

$$= B_{\bar{N}}(2N+1541-(2N-942)) + B_{\bar{N}}(2N+1541-(N+2109)) + B_{\bar{N}}(2N+1541-(2N+1348))$$

$$= B_{\bar{N}}(2483) + B_{\bar{N}}(N-568) + B_{\bar{N}}(193) = 2483 + (N-568) + 193 = N + 2108$$

$$(N \ge 2483)$$

$$B_{\bar{N}}(2N+1542) = B_{\bar{N}}(2N+1542-B_{\bar{N}}(2N+1541)) + B_{\bar{N}}(2N+1542-B_{\bar{N}}(2N+1540)) + B_{\bar{N}}(2N+1542-B_{\bar{N}}(2N+1539))$$

$$= B_{\bar{N}}(2N+1542-(N+2108)) + B_{\bar{N}}(2N+1542-(2N-942)) + B_{\bar{N}}(2N+1542-(N+2109))$$

$$= B_{\bar{N}}(N-566) + B_{\bar{N}}(2484) + B_{\bar{N}}(N-567) = (N-566) + 2484 + (N-567) = 2N+1351$$

$$(N \ge 2484)$$

$$B_{\bar{N}}(2N+1543) = B_{\bar{N}}(2N+1543-B_{\bar{N}}(2N+1542)) + B_{\bar{N}}(2N+1543-B_{\bar{N}}(2N+1541)) + B_{\bar{N}}(2N+1543-B_{\bar{N}}(2N+1540))$$

$$= B_{\bar{N}}(2N+1543-(2N+1351)) + B_{\bar{N}}(2N+1543-(N+2108)) + B_{\bar{N}}(2N+1543-(2N-942))$$

$$= B_{\bar{N}}(192) + B_{\bar{N}}(N-565) + B_{\bar{N}}(2485) = 192 + (N-565) + 2485 = N + 2112$$

$$(N \ge 2485)$$

$$B_{\bar{N}}(2N+1544) = B_{\bar{N}}(2N+1544-B_{\bar{N}}(2N+1543)) + B_{\bar{N}}(2N+1544-B_{\bar{N}}(2N+1542)) + B_{\bar{N}}(2N+1544-B_{\bar{N}}(2N+1541))$$

$$= B_{\bar{N}}(2N+1544-(N+2112)) + B_{\bar{N}}(2N+1544-(2N+1351)) + B_{\bar{N}}(2N+1544-(N+2108))$$

$$= B_{\bar{N}}(N-568) + B_{\bar{N}}(193) + B_{\bar{N}}(N-564) = (N-568) + 193 + (N-564) = 2N-939$$

$$(N \ge 569)$$

$$B_{\bar{N}}(2N+1545) = B_{\bar{N}}(2N+1545-B_{\bar{N}}(2N+1544)) + B_{\bar{N}}(2N+1545-B_{\bar{N}}(2N+1543)) + B_{\bar{N}}(2N+1545-B_{\bar{N}}(2N+1545))$$

$$= B_{\bar{N}}(2N+1545-(2N-939)) + B_{\bar{N}}(2N+1545-(N+2112)) + B_{\bar{N}}(2N+1545-(2N+1351))$$

$$= B_{\bar{N}}(2484) + B_{\bar{N}}(N-567) + B_{\bar{N}}(194) = 2484 + (N-567) + 194 = N + 2111$$

$$(N \ge 2484)$$

$$B_{\bar{N}}(2N+1546) = B_{\bar{N}}(2N+1546-B_{\bar{N}}(2N+1545)) + B_{\bar{N}}(2N+1546-B_{\bar{N}}(2N+1544)) + B_{\bar{N}}(2N+1546-B_{\bar{N}}(2N+1543))$$

$$= B_{\bar{N}}(2N+1546-(N+2111)) + B_{\bar{N}}(2N+1546-(2N-939)) + B_{\bar{N}}(2N+1546-(N+2112))$$

$$= B_{\bar{N}}(N-565) + B_{\bar{N}}(2485) + B_{\bar{N}}(N-566) = (N-565) + 2485 + (N-566) = 2N+1354$$

$$(N > 2485)$$

$$B_{\bar{N}}(2N+1547) = B_{\bar{N}}(2N+1547 - B_{\bar{N}}(2N+1546)) + B_{\bar{N}}(2N+1547 - B_{\bar{N}}(2N+1545)) + B_{\bar{N}}(2N+1547 - B_{\bar{N}}(2N+1544))$$

$$= B_{\bar{N}}(2N+1547 - (2N+1354)) + B_{\bar{N}}(2N+1547 - (N+2111)) + B_{\bar{N}}(2N+1547 - (2N-939))$$

$$= B_{\bar{N}}(193) + B_{\bar{N}}(N-564) + B_{\bar{N}}(2486) = 193 + (N-564) + 2486 = N + 2115$$

$$(N > 2486)$$

$$B_{\bar{N}}(2N+1548) = B_{\bar{N}}(2N+1548-B_{\bar{N}}(2N+1547)) + B_{\bar{N}}(2N+1548-B_{\bar{N}}(2N+1546)) + B_{\bar{N}}(2N+1548-B_{\bar{N}}(2N+1545))$$

$$= B_{\bar{N}}(2N+1548-(N+2115)) + B_{\bar{N}}(2N+1548-(2N+1354)) + B_{\bar{N}}(2N+1548-(N+2111))$$

$$= B_{\bar{N}}(N-567) + B_{\bar{N}}(194) + B_{\bar{N}}(N-563) = (N-567) + 194 + (N-563) = 2N-936$$

$$(N \ge 568)$$

$$B_{\bar{N}}(2N+1549) = B_{\bar{N}}(2N+1549 - B_{\bar{N}}(2N+1548)) + B_{\bar{N}}(2N+1549 - B_{\bar{N}}(2N+1547)) + B_{\bar{N}}(2N+1549 - B_{\bar{N}}(2N+1546))$$

$$= B_{\bar{N}}(2N+1549 - (2N-936)) + B_{\bar{N}}(2N+1549 - (N+2115)) + B_{\bar{N}}(2N+1549 - (2N+1354))$$

$$= B_{\bar{N}}(2485) + B_{\bar{N}}(N-566) + B_{\bar{N}}(195) = 2485 + (N-566) + 195 = N + 2114$$

$$(N \ge 2485)$$

$$B_{\bar{N}}(2N+1550) = B_{\bar{N}}(2N+1550 - B_{\bar{N}}(2N+1549)) + B_{\bar{N}}(2N+1550 - B_{\bar{N}}(2N+1548)) + B_{\bar{N}}(2N+1550 - B_{\bar{N}}(2N+1547))$$

$$= B_{\bar{N}}(2N+1550 - (N+2114)) + B_{\bar{N}}(2N+1550 - (2N-936)) + B_{\bar{N}}(2N+1550 - (N+2115))$$

$$= B_{\bar{N}}(N-564) + B_{\bar{N}}(2486) + B_{\bar{N}}(N-565) = (N-564) + 2486 + (N-565) = 2N+1357$$

$$(N \ge 2486)$$

$$B_{\bar{N}}(2N+1551) = B_{\bar{N}}(2N+1551-B_{\bar{N}}(2N+1550)) + B_{\bar{N}}(2N+1551-B_{\bar{N}}(2N+1549)) + B_{\bar{N}}(2N+1551-B_{\bar{N}}(2N+1548))$$

$$= B_{\bar{N}}(2N+1551-(2N+1357)) + B_{\bar{N}}(2N+1551-(N+2114)) + B_{\bar{N}}(2N+1551-(2N-936))$$

$$= B_{\bar{N}}(194) + B_{\bar{N}}(N-563) + B_{\bar{N}}(2487) = 194 + (N-563) + 2487 = N + 2118$$

$$(N \ge 2487)$$

$$B_{\bar{N}}(2N+1552) = B_{\bar{N}}(2N+1552-B_{\bar{N}}(2N+1551)) + B_{\bar{N}}(2N+1552-B_{\bar{N}}(2N+1550)) + B_{\bar{N}}(2N+1552-B_{\bar{N}}(2N+1549))$$

$$= B_{\bar{N}}(2N+1552-(N+2118)) + B_{\bar{N}}(2N+1552-(2N+1357)) + B_{\bar{N}}(2N+1552-(N+2114))$$

$$= B_{\bar{N}}(N-566) + B_{\bar{N}}(195) + B_{\bar{N}}(N-562) = (N-566) + 195 + (N-562) = 2N-933$$

$$(N \ge 567)$$

$$B_{\bar{N}}(2N+1553) = B_{\bar{N}}(2N+1553-B_{\bar{N}}(2N+1552)) + B_{\bar{N}}(2N+1553-B_{\bar{N}}(2N+1551)) + B_{\bar{N}}(2N+1553-B_{\bar{N}}(2N+1550))$$

$$= B_{\bar{N}}(2N+1553-(2N-933)) + B_{\bar{N}}(2N+1553-(N+2118)) + B_{\bar{N}}(2N+1553-(2N+1357))$$

$$= B_{\bar{N}}(2486) + B_{\bar{N}}(N-565) + B_{\bar{N}}(196) = 2486 + (N-565) + 196 = N + 2117$$

$$(N \ge 2486)$$

$$B_{\bar{N}}(2N+1554) = B_{\bar{N}}(2N+1554-B_{\bar{N}}(2N+1553)) + B_{\bar{N}}(2N+1554-B_{\bar{N}}(2N+1552)) + B_{\bar{N}}(2N+1554-B_{\bar{N}}(2N+1551))$$

$$= B_{\bar{N}}(2N+1554-(N+2117)) + B_{\bar{N}}(2N+1554-(2N-933)) + B_{\bar{N}}(2N+1554-(N+2118))$$

$$= B_{\bar{N}}(N-563) + B_{\bar{N}}(2487) + B_{\bar{N}}(N-564) = (N-563) + 2487 + (N-564) = 2N+1360$$

$$(N \ge 2487)$$

$$B_{\bar{N}}(2N+1555) = B_{\bar{N}}(2N+1555-B_{\bar{N}}(2N+1554)) + B_{\bar{N}}(2N+1555-B_{\bar{N}}(2N+1553)) + B_{\bar{N}}(2N+1555-B_{\bar{N}}(2N+1552))$$

$$= B_{\bar{N}}(2N+1555-(2N+1360)) + B_{\bar{N}}(2N+1555-(N+2117)) + B_{\bar{N}}(2N+1555-(2N-933))$$

$$= B_{\bar{N}}(195) + B_{\bar{N}}(N-562) + B_{\bar{N}}(2488) = 195 + (N-562) + 2488 = N + 2121$$

$$(N \ge 2488)$$

$$B_{\bar{N}}(2N+1556) = B_{\bar{N}}(2N+1556-B_{\bar{N}}(2N+1555)) + B_{\bar{N}}(2N+1556-B_{\bar{N}}(2N+1554)) + B_{\bar{N}}(2N+1556-B_{\bar{N}}(2N+1553)) = B_{\bar{N}}(2N+1556-(N+2121)) + B_{\bar{N}}(2N+1556-(2N+1360)) + B_{\bar{N}}(2N+1556-(N+2117)) = B_{\bar{N}}(N-565) + B_{\bar{N}}(196) + B_{\bar{N}}(N-561) = (N-565) + 196 + (N-561) = 2N-930 (N > 566)$$

$$B_{\bar{N}}(2N+1557) = B_{\bar{N}}(2N+1557 - B_{\bar{N}}(2N+1556)) + B_{\bar{N}}(2N+1557 - B_{\bar{N}}(2N+1555)) + B_{\bar{N}}(2N+1557 - B_{\bar{N}}(2N+1554))$$

$$= B_{\bar{N}}(2N+1557 - (2N-930)) + B_{\bar{N}}(2N+1557 - (N+2121)) + B_{\bar{N}}(2N+1557 - (2N+1360))$$

$$= B_{\bar{N}}(2487) + B_{\bar{N}}(N-564) + B_{\bar{N}}(197) = 2487 + (N-564) + 197 = N + 2120$$

$$(N \ge 2487)$$

$$B_{\bar{N}}(2N+1558) = B_{\bar{N}}(2N+1558-B_{\bar{N}}(2N+1557)) + B_{\bar{N}}(2N+1558-B_{\bar{N}}(2N+1556)) + B_{\bar{N}}(2N+1558-B_{\bar{N}}(2N+1555))$$

$$= B_{\bar{N}}(2N+1558-(N+2120)) + B_{\bar{N}}(2N+1558-(2N-930)) + B_{\bar{N}}(2N+1558-(N+2121))$$

$$= B_{\bar{N}}(N-562) + B_{\bar{N}}(2488) + B_{\bar{N}}(N-563) = (N-562) + 2488 + (N-563) = 2N+1363$$

$$(N \ge 2488)$$

$$B_{\bar{N}}(2N+1559) = B_{\bar{N}}(2N+1559 - B_{\bar{N}}(2N+1558)) + B_{\bar{N}}(2N+1559 - B_{\bar{N}}(2N+1557)) + B_{\bar{N}}(2N+1559 - B_{\bar{N}}(2N+1559))$$

$$= B_{\bar{N}}(2N+1559 - (2N+1363)) + B_{\bar{N}}(2N+1559 - (N+2120)) + B_{\bar{N}}(2N+1559 - (2N-930))$$

$$= B_{\bar{N}}(196) + B_{\bar{N}}(N-561) + B_{\bar{N}}(2489) = 196 + (N-561) + 2489 = N + 2124$$

$$(N \ge 2489)$$

$$B_{\bar{N}}(2N+1560) = B_{\bar{N}}(2N+1560-B_{\bar{N}}(2N+1559)) + B_{\bar{N}}(2N+1560-B_{\bar{N}}(2N+1558)) + B_{\bar{N}}(2N+1560-B_{\bar{N}}(2N+1557))$$

$$= B_{\bar{N}}(2N+1560-(N+2124)) + B_{\bar{N}}(2N+1560-(2N+1363)) + B_{\bar{N}}(2N+1560-(N+2120))$$

$$= B_{\bar{N}}(N-564) + B_{\bar{N}}(197) + B_{\bar{N}}(N-560) = (N-564) + 197 + (N-560) = 2N-927$$

$$(N \ge 565)$$

$$B_{\bar{N}}(2N+1561) = B_{\bar{N}}(2N+1561-B_{\bar{N}}(2N+1560)) + B_{\bar{N}}(2N+1561-B_{\bar{N}}(2N+1559)) + B_{\bar{N}}(2N+1561-B_{\bar{N}}(2N+1558))$$

$$= B_{\bar{N}}(2N+1561-(2N-927)) + B_{\bar{N}}(2N+1561-(N+2124)) + B_{\bar{N}}(2N+1561-(2N+1363))$$

$$= B_{\bar{N}}(2488) + B_{\bar{N}}(N-563) + B_{\bar{N}}(198) = 2488 + (N-563) + 198 = N + 2123$$

$$(N > 2488)$$

$$B_{\bar{N}}(2N+1562) = B_{\bar{N}}(2N+1562-B_{\bar{N}}(2N+1561)) + B_{\bar{N}}(2N+1562-B_{\bar{N}}(2N+1560)) + B_{\bar{N}}(2N+1562-B_{\bar{N}}(2N+1559))$$

$$= B_{\bar{N}}(2N+1562-(N+2123)) + B_{\bar{N}}(2N+1562-(2N-927)) + B_{\bar{N}}(2N+1562-(N+2124))$$

$$= B_{\bar{N}}(N-561) + B_{\bar{N}}(2489) + B_{\bar{N}}(N-562) = (N-561) + 2489 + (N-562) = 2N+1366$$

$$(N \ge 2489)$$

$$B_{\bar{N}}(2N+1563) = B_{\bar{N}}(2N+1563 - B_{\bar{N}}(2N+1562)) + B_{\bar{N}}(2N+1563 - B_{\bar{N}}(2N+1561)) + B_{\bar{N}}(2N+1563 - B_{\bar{N}}(2N+1563))$$

$$= B_{\bar{N}}(2N+1563 - (2N+1366)) + B_{\bar{N}}(2N+1563 - (N+2123)) + B_{\bar{N}}(2N+1563 - (2N-927))$$

$$= B_{\bar{N}}(197) + B_{\bar{N}}(N-560) + B_{\bar{N}}(2490) = 197 + (N-560) + 2490 = N + 2127$$

$$(N \ge 2490)$$

$$B_{\bar{N}}(2N+1564) = B_{\bar{N}}(2N+1564-B_{\bar{N}}(2N+1563)) + B_{\bar{N}}(2N+1564-B_{\bar{N}}(2N+1562)) + B_{\bar{N}}(2N+1564-B_{\bar{N}}(2N+1561))$$

$$= B_{\bar{N}}(2N+1564-(N+2127)) + B_{\bar{N}}(2N+1564-(2N+1366)) + B_{\bar{N}}(2N+1564-(N+2123))$$

$$= B_{\bar{N}}(N-563) + B_{\bar{N}}(198) + B_{\bar{N}}(N-559) = (N-563) + 198 + (N-559) = 2N-924$$

$$(N \ge 564)$$

$$B_{\bar{N}}(2N+1565) = B_{\bar{N}}(2N+1565-B_{\bar{N}}(2N+1564)) + B_{\bar{N}}(2N+1565-B_{\bar{N}}(2N+1563)) + B_{\bar{N}}(2N+1565-B_{\bar{N}}(2N+1562))$$

$$= B_{\bar{N}}(2N+1565-(2N-924)) + B_{\bar{N}}(2N+1565-(N+2127)) + B_{\bar{N}}(2N+1565-(2N+1366))$$

$$= B_{\bar{N}}(2489) + B_{\bar{N}}(N-562) + B_{\bar{N}}(199) = 2489 + (N-562) + 199 = N + 2126$$

$$(N \ge 2489)$$

$$B_{\bar{N}}(2N+1566) = B_{\bar{N}}(2N+1566-B_{\bar{N}}(2N+1565)) + B_{\bar{N}}(2N+1566-B_{\bar{N}}(2N+1564)) + B_{\bar{N}}(2N+1566-B_{\bar{N}}(2N+1563))$$

$$= B_{\bar{N}}(2N+1566-(N+2126)) + B_{\bar{N}}(2N+1566-(2N-924)) + B_{\bar{N}}(2N+1566-(N+2127))$$

$$= B_{\bar{N}}(N-560) + B_{\bar{N}}(2490) + B_{\bar{N}}(N-561) = (N-560) + 2490 + (N-561) = 2N+1369$$

$$(N > 2490)$$

$$B_{\bar{N}}(2N+1567) = B_{\bar{N}}(2N+1567 - B_{\bar{N}}(2N+1566)) + B_{\bar{N}}(2N+1567 - B_{\bar{N}}(2N+1565)) + B_{\bar{N}}(2N+1567 - B_{\bar{N}}(2N+1564))$$

$$= B_{\bar{N}}(2N+1567 - (2N+1369)) + B_{\bar{N}}(2N+1567 - (N+2126)) + B_{\bar{N}}(2N+1567 - (2N-924))$$

$$= B_{\bar{N}}(198) + B_{\bar{N}}(N-559) + B_{\bar{N}}(2491) = 198 + (N-559) + 2491 = N + 2130$$

$$(N > 2491)$$

$$B_{\bar{N}}(2N+1568) = B_{\bar{N}}(2N+1568-B_{\bar{N}}(2N+1567)) + B_{\bar{N}}(2N+1568-B_{\bar{N}}(2N+1566)) + B_{\bar{N}}(2N+1568-B_{\bar{N}}(2N+1565))$$

$$= B_{\bar{N}}(2N+1568-(N+2130)) + B_{\bar{N}}(2N+1568-(2N+1369)) + B_{\bar{N}}(2N+1568-(N+2126))$$

$$= B_{\bar{N}}(N-562) + B_{\bar{N}}(199) + B_{\bar{N}}(N-558) = (N-562) + 199 + (N-558) = 2N-921$$

$$(N \ge 563)$$

$$B_{\bar{N}}(2N+1569) = B_{\bar{N}}(2N+1569 - B_{\bar{N}}(2N+1568)) + B_{\bar{N}}(2N+1569 - B_{\bar{N}}(2N+1567)) + B_{\bar{N}}(2N+1569 - B_{\bar{N}}(2N+1569))$$

$$= B_{\bar{N}}(2N+1569 - (2N-921)) + B_{\bar{N}}(2N+1569 - (N+2130)) + B_{\bar{N}}(2N+1569 - (2N+1369))$$

$$= B_{\bar{N}}(2490) + B_{\bar{N}}(N-561) + B_{\bar{N}}(200) = 2490 + (N-561) + 200 = N + 2129$$

$$(N \ge 2490)$$

$$B_{\bar{N}}(2N+1570) = B_{\bar{N}}(2N+1570 - B_{\bar{N}}(2N+1569)) + B_{\bar{N}}(2N+1570 - B_{\bar{N}}(2N+1568)) + B_{\bar{N}}(2N+1570 - B_{\bar{N}}(2N+1567))$$

$$= B_{\bar{N}}(2N+1570 - (N+2129)) + B_{\bar{N}}(2N+1570 - (2N-921)) + B_{\bar{N}}(2N+1570 - (N+2130))$$

$$= B_{\bar{N}}(N-559) + B_{\bar{N}}(2491) + B_{\bar{N}}(N-560) = (N-559) + 2491 + (N-560) = 2N+1372$$

$$(N \ge 2491)$$

$$B_{\bar{N}}(2N+1571) = B_{\bar{N}}(2N+1571 - B_{\bar{N}}(2N+1570)) + B_{\bar{N}}(2N+1571 - B_{\bar{N}}(2N+1569)) + B_{\bar{N}}(2N+1571 - B_{\bar{N}}(2N+1568))$$

$$= B_{\bar{N}}(2N+1571 - (2N+1372)) + B_{\bar{N}}(2N+1571 - (N+2129)) + B_{\bar{N}}(2N+1571 - (2N-921))$$

$$= B_{\bar{N}}(199) + B_{\bar{N}}(N-558) + B_{\bar{N}}(2492) = 199 + (N-558) + 2492 = N + 2133$$

$$(N \ge 2492)$$

$$B_{\bar{N}}(2N+1572) = B_{\bar{N}}(2N+1572-B_{\bar{N}}(2N+1571)) + B_{\bar{N}}(2N+1572-B_{\bar{N}}(2N+1570)) + B_{\bar{N}}(2N+1572-B_{\bar{N}}(2N+1569))$$

$$= B_{\bar{N}}(2N+1572-(N+2133)) + B_{\bar{N}}(2N+1572-(2N+1372)) + B_{\bar{N}}(2N+1572-(N+2129))$$

$$= B_{\bar{N}}(N-561) + B_{\bar{N}}(200) + B_{\bar{N}}(N-557) = (N-561) + 200 + (N-557) = 2N-918$$

$$(N \ge 562)$$

$$B_{\bar{N}}(2N+1573) = B_{\bar{N}}(2N+1573-B_{\bar{N}}(2N+1572)) + B_{\bar{N}}(2N+1573-B_{\bar{N}}(2N+1571)) + B_{\bar{N}}(2N+1573-B_{\bar{N}}(2N+1570))$$

$$= B_{\bar{N}}(2N+1573-(2N-918)) + B_{\bar{N}}(2N+1573-(N+2133)) + B_{\bar{N}}(2N+1573-(2N+1372))$$

$$= B_{\bar{N}}(2491) + B_{\bar{N}}(N-560) + B_{\bar{N}}(201) = 2491 + (N-560) + 201 = N + 2132$$

$$(N \ge 2491)$$

$$B_{\bar{N}}(2N+1574) = B_{\bar{N}}(2N+1574 - B_{\bar{N}}(2N+1573)) + B_{\bar{N}}(2N+1574 - B_{\bar{N}}(2N+1572)) + B_{\bar{N}}(2N+1574 - B_{\bar{N}}(2N+1571))$$

$$= B_{\bar{N}}(2N+1574 - (N+2132)) + B_{\bar{N}}(2N+1574 - (2N-918)) + B_{\bar{N}}(2N+1574 - (N+2133))$$

$$= B_{\bar{N}}(N-558) + B_{\bar{N}}(2492) + B_{\bar{N}}(N-559) = (N-558) + 2492 + (N-559) = 2N+1375$$

$$(N \ge 2492)$$

$$B_{\bar{N}}(2N+1575) = B_{\bar{N}}(2N+1575-B_{\bar{N}}(2N+1574)) + B_{\bar{N}}(2N+1575-B_{\bar{N}}(2N+1573)) + B_{\bar{N}}(2N+1575-B_{\bar{N}}(2N+1572))$$

$$= B_{\bar{N}}(2N+1575-(2N+1375)) + B_{\bar{N}}(2N+1575-(N+2132)) + B_{\bar{N}}(2N+1575-(2N-918))$$

$$= B_{\bar{N}}(200) + B_{\bar{N}}(N-557) + B_{\bar{N}}(2493) = 200 + (N-557) + 2493 = N + 2136$$

$$(N \ge 2493)$$

$$B_{\bar{N}}(2N+1576) = B_{\bar{N}}(2N+1576-B_{\bar{N}}(2N+1575)) + B_{\bar{N}}(2N+1576-B_{\bar{N}}(2N+1574)) + B_{\bar{N}}(2N+1576-B_{\bar{N}}(2N+1573)) = B_{\bar{N}}(2N+1576-(N+2136)) + B_{\bar{N}}(2N+1576-(2N+1375)) + B_{\bar{N}}(2N+1576-(N+2132)) = B_{\bar{N}}(N-560) + B_{\bar{N}}(201) + B_{\bar{N}}(N-556) = (N-560) + 201 + (N-556) = 2N-915 (N > 561)$$

$$B_{\bar{N}}(2N+1577) = B_{\bar{N}}(2N+1577 - B_{\bar{N}}(2N+1576)) + B_{\bar{N}}(2N+1577 - B_{\bar{N}}(2N+1575)) + B_{\bar{N}}(2N+1577 - B_{\bar{N}}(2N+1574))$$

$$= B_{\bar{N}}(2N+1577 - (2N-915)) + B_{\bar{N}}(2N+1577 - (N+2136)) + B_{\bar{N}}(2N+1577 - (2N+1375))$$

$$= B_{\bar{N}}(2492) + B_{\bar{N}}(N-559) + B_{\bar{N}}(202) = 2492 + (N-559) + 202 = N+2135$$

$$(N > 2492)$$

$$B_{\bar{N}}(2N+1578) = B_{\bar{N}}(2N+1578-B_{\bar{N}}(2N+1577)) + B_{\bar{N}}(2N+1578-B_{\bar{N}}(2N+1576)) + B_{\bar{N}}(2N+1578-B_{\bar{N}}(2N+1578))$$

$$= B_{\bar{N}}(2N+1578-(N+2135)) + B_{\bar{N}}(2N+1578-(2N-915)) + B_{\bar{N}}(2N+1578-(N+2136))$$

$$= B_{\bar{N}}(N-557) + B_{\bar{N}}(2493) + B_{\bar{N}}(N-558) = (N-557) + 2493 + (N-558) = 2N+1378$$

$$(N \ge 2493)$$

$$B_{\bar{N}}(2N+1579) = B_{\bar{N}}(2N+1579 - B_{\bar{N}}(2N+1578)) + B_{\bar{N}}(2N+1579 - B_{\bar{N}}(2N+1577)) + B_{\bar{N}}(2N+1579 - B_{\bar{N}}(2N+1576))$$

$$= B_{\bar{N}}(2N+1579 - (2N+1378)) + B_{\bar{N}}(2N+1579 - (N+2135)) + B_{\bar{N}}(2N+1579 - (2N-915))$$

$$= B_{\bar{N}}(201) + B_{\bar{N}}(N-556) + B_{\bar{N}}(2494) = 201 + (N-556) + 2494 = N + 2139$$

$$(N \ge 2494)$$

$$B_{\bar{N}}(2N+1580) = B_{\bar{N}}(2N+1580 - B_{\bar{N}}(2N+1579)) + B_{\bar{N}}(2N+1580 - B_{\bar{N}}(2N+1578)) + B_{\bar{N}}(2N+1580 - B_{\bar{N}}(2N+1577))$$

$$= B_{\bar{N}}(2N+1580 - (N+2139)) + B_{\bar{N}}(2N+1580 - (2N+1378)) + B_{\bar{N}}(2N+1580 - (N+2135))$$

$$= B_{\bar{N}}(N-559) + B_{\bar{N}}(202) + B_{\bar{N}}(N-555) = (N-559) + 202 + (N-555) = 2N-912$$

$$(N \ge 560)$$

$$B_{\bar{N}}(2N+1581) = B_{\bar{N}}(2N+1581-B_{\bar{N}}(2N+1580)) + B_{\bar{N}}(2N+1581-B_{\bar{N}}(2N+1579)) + B_{\bar{N}}(2N+1581-B_{\bar{N}}(2N+1578))$$

$$= B_{\bar{N}}(2N+1581-(2N-912)) + B_{\bar{N}}(2N+1581-(N+2139)) + B_{\bar{N}}(2N+1581-(2N+1378))$$

$$= B_{\bar{N}}(2493) + B_{\bar{N}}(N-558) + B_{\bar{N}}(203) = 2493 + (N-558) + 203 = N+2138$$

$$(N \ge 2493)$$

$$B_{\bar{N}}(2N+1582) = B_{\bar{N}}(2N+1582 - B_{\bar{N}}(2N+1581)) + B_{\bar{N}}(2N+1582 - B_{\bar{N}}(2N+1580)) + B_{\bar{N}}(2N+1582 - B_{\bar{N}}(2N+1579))$$

$$= B_{\bar{N}}(2N+1582 - (N+2138)) + B_{\bar{N}}(2N+1582 - (2N-912)) + B_{\bar{N}}(2N+1582 - (N+2139))$$

$$= B_{\bar{N}}(N-556) + B_{\bar{N}}(2494) + B_{\bar{N}}(N-557) = (N-556) + 2494 + (N-557) = 2N+1381$$

$$(N \ge 2494)$$

$$B_{\bar{N}}(2N+1583) = B_{\bar{N}}(2N+1583 - B_{\bar{N}}(2N+1582)) + B_{\bar{N}}(2N+1583 - B_{\bar{N}}(2N+1581)) + B_{\bar{N}}(2N+1583 - B_{\bar{N}}(2N+1583)) + B_{\bar{N}}(2N+1583 - (2N+1381)) + B_{\bar{N}}(2N+1583 - (N+2138)) + B_{\bar{N}}(2N+1583 - (2N-912)) = B_{\bar{N}}(202) + B_{\bar{N}}(N-555) + B_{\bar{N}}(2495) = 202 + (N-555) + 2495 = N + 2142$$

$$(N \ge 2495)$$

$$B_{\bar{N}}(2N+1584) = B_{\bar{N}}(2N+1584-B_{\bar{N}}(2N+1583)) + B_{\bar{N}}(2N+1584-B_{\bar{N}}(2N+1582)) + B_{\bar{N}}(2N+1584-B_{\bar{N}}(2N+1581))$$

$$= B_{\bar{N}}(2N+1584-(N+2142)) + B_{\bar{N}}(2N+1584-(2N+1381)) + B_{\bar{N}}(2N+1584-(N+2138))$$

$$= B_{\bar{N}}(N-558) + B_{\bar{N}}(203) + B_{\bar{N}}(N-554) = (N-558) + 203 + (N-554) = 2N-909$$

$$(N \ge 559)$$

$$B_{\bar{N}}(2N+1585) = B_{\bar{N}}(2N+1585-B_{\bar{N}}(2N+1584)) + B_{\bar{N}}(2N+1585-B_{\bar{N}}(2N+1583)) + B_{\bar{N}}(2N+1585-B_{\bar{N}}(2N+1582))$$

$$= B_{\bar{N}}(2N+1585-(2N-909)) + B_{\bar{N}}(2N+1585-(N+2142)) + B_{\bar{N}}(2N+1585-(2N+1381))$$

$$= B_{\bar{N}}(2494) + B_{\bar{N}}(N-557) + B_{\bar{N}}(204) = 2494 + (N-557) + 204 = N + 2141$$

$$(N \ge 2494)$$

$$B_{\bar{N}}(2N+1586) = B_{\bar{N}}(2N+1586-B_{\bar{N}}(2N+1585)) + B_{\bar{N}}(2N+1586-B_{\bar{N}}(2N+1584)) + B_{\bar{N}}(2N+1586-B_{\bar{N}}(2N+1583))$$

$$= B_{\bar{N}}(2N+1586-(N+2141)) + B_{\bar{N}}(2N+1586-(2N-909)) + B_{\bar{N}}(2N+1586-(N+2142))$$

$$= B_{\bar{N}}(N-555) + B_{\bar{N}}(2495) + B_{\bar{N}}(N-556) = (N-555) + 2495 + (N-556) = 2N+1384$$

$$(N \ge 2495)$$

$$B_{\bar{N}}(2N+1587) = B_{\bar{N}}(2N+1587-B_{\bar{N}}(2N+1586)) + B_{\bar{N}}(2N+1587-B_{\bar{N}}(2N+1585)) + B_{\bar{N}}(2N+1587-B_{\bar{N}}(2N+1584))$$

$$= B_{\bar{N}}(2N+1587-(2N+1384)) + B_{\bar{N}}(2N+1587-(N+2141)) + B_{\bar{N}}(2N+1587-(2N-909))$$

$$= B_{\bar{N}}(203) + B_{\bar{N}}(N-554) + B_{\bar{N}}(2496) = 203 + (N-554) + 2496 = N + 2145$$

$$(N \ge 2496)$$

$$B_{\bar{N}}(2N+1588) = B_{\bar{N}}(2N+1588-B_{\bar{N}}(2N+1587)) + B_{\bar{N}}(2N+1588-B_{\bar{N}}(2N+1586)) + B_{\bar{N}}(2N+1588-B_{\bar{N}}(2N+1588))$$

$$= B_{\bar{N}}(2N+1588-(N+2145)) + B_{\bar{N}}(2N+1588-(2N+1384)) + B_{\bar{N}}(2N+1588-(N+2141))$$

$$= B_{\bar{N}}(N-557) + B_{\bar{N}}(204) + B_{\bar{N}}(N-553) = (N-557) + 204 + (N-553) = 2N-906$$

$$(N \ge 558)$$

$$B_{\bar{N}}(2N+1589) = B_{\bar{N}}(2N+1589 - B_{\bar{N}}(2N+1588)) + B_{\bar{N}}(2N+1589 - B_{\bar{N}}(2N+1587)) + B_{\bar{N}}(2N+1589 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1590) = B_{\bar{N}}(2N+1590 - B_{\bar{N}}(2N+1589)) + B_{\bar{N}}(2N+1590 - B_{\bar{N}}(2N+1588)) + B_{\bar{N}}(2N+1590 - B_{\bar{N}}(2N+1587))$$

$$= B_{\bar{N}}(2N+1590 - (N+2144)) + B_{\bar{N}}(2N+1590 - (2N-906)) + B_{\bar{N}}(2N+1590 - (N+2145))$$

$$= B_{\bar{N}}(N-554) + B_{\bar{N}}(2496) + B_{\bar{N}}(N-555) = (N-554) + 2496 + (N-555) = 2N+1387$$

$$(N \ge 2496)$$

$$B_{\bar{N}}(2N+1591) = B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1590)) + B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1590)) + B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2N+1591-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1592) = B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1591)) + B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1590)) + B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2N+1592-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1593) = B_{\bar{N}}(2N+1593-B_{\bar{N}}(2N+1592)) + B_{\bar{N}}(2N+1593-B_{\bar{N}}(2N+1591)) + B_{\bar{N}}(2N+1593-B_{\bar{N}}(2N+1590))$$

$$= B_{\bar{N}}(2N+1593-(2N-903)) + B_{\bar{N}}(2N+1593-(N+2148)) + B_{\bar{N}}(2N+1593-(2N+1387))$$

$$= B_{\bar{N}}(2496) + B_{\bar{N}}(N-555) + B_{\bar{N}}(206) = 2496 + (N-555) + 206 = N+2147$$

$$(N \ge 2496)$$

$$B_{\bar{N}}(2N+1594) = B_{\bar{N}}(2N+1594-B_{\bar{N}}(2N+1593)) + B_{\bar{N}}(2N+1594-B_{\bar{N}}(2N+1592)) + B_{\bar{N}}(2N+1594-B_{\bar{N}}(2N+1591))$$

$$= B_{\bar{N}}(2N+1594-(N+2147)) + B_{\bar{N}}(2N+1594-(2N-903)) + B_{\bar{N}}(2N+1594-(N+2148))$$

$$= B_{\bar{N}}(N-553) + B_{\bar{N}}(2497) + B_{\bar{N}}(N-554) = (N-553) + 2497 + (N-554) = 2N+1390$$

$$(N \ge 2497)$$

$$B_{\bar{N}}(2N+1595) = B_{\bar{N}}(2N+1595-B_{\bar{N}}(2N+1594)) + B_{\bar{N}}(2N+1595-B_{\bar{N}}(2N+1593)) + B_{\bar{N}}(2N+1595-B_{\bar{N}}(2N+1592))$$

$$= B_{\bar{N}}(2N+1595-(2N+1390)) + B_{\bar{N}}(2N+1595-(N+2147)) + B_{\bar{N}}(2N+1595-(2N-903))$$

$$= B_{\bar{N}}(205) + B_{\bar{N}}(N-552) + B_{\bar{N}}(2498) = 205 + (N-552) + 2498 = N + 2151$$

$$(N \ge 2498)$$

$$B_{\bar{N}}(2N+1596) = B_{\bar{N}}(2N+1596-B_{\bar{N}}(2N+1595)) + B_{\bar{N}}(2N+1596-B_{\bar{N}}(2N+1594)) + B_{\bar{N}}(2N+1596-B_{\bar{N}}(2N+1593))$$

$$= B_{\bar{N}}(2N+1596-(N+2151)) + B_{\bar{N}}(2N+1596-(2N+1390)) + B_{\bar{N}}(2N+1596-(N+2147))$$

$$= B_{\bar{N}}(N-555) + B_{\bar{N}}(206) + B_{\bar{N}}(N-551) = (N-555) + 206 + (N-551) = 2N-900$$

$$(N \ge 556)$$

$$B_{\bar{N}}(2N+1597) = B_{\bar{N}}(2N+1597-B_{\bar{N}}(2N+1596)) + B_{\bar{N}}(2N+1597-B_{\bar{N}}(2N+1595)) + B_{\bar{N}}(2N+1597-B_{\bar{N}}(2N+1594))$$

$$= B_{\bar{N}}(2N+1597-(2N-900)) + B_{\bar{N}}(2N+1597-(N+2151)) + B_{\bar{N}}(2N+1597-(2N+1390))$$

$$= B_{\bar{N}}(2497) + B_{\bar{N}}(N-554) + B_{\bar{N}}(207) = 2497 + (N-554) + 207 = N + 2150$$

$$(N \ge 2497)$$

$$B_{\bar{N}}(2N+1598) = B_{\bar{N}}(2N+1598-B_{\bar{N}}(2N+1597)) + B_{\bar{N}}(2N+1598-B_{\bar{N}}(2N+1596)) + B_{\bar{N}}(2N+1598-B_{\bar{N}}(2N+1595))$$

$$= B_{\bar{N}}(2N+1598-(N+2150)) + B_{\bar{N}}(2N+1598-(2N-900)) + B_{\bar{N}}(2N+1598-(N+2151))$$

$$= B_{\bar{N}}(N-552) + B_{\bar{N}}(2498) + B_{\bar{N}}(N-553) = (N-552) + 2498 + (N-553) = 2N+1393$$

$$(N \ge 2498)$$

$$B_{\bar{N}}(2N+1599) = B_{\bar{N}}(2N+1599 - B_{\bar{N}}(2N+1598)) + B_{\bar{N}}(2N+1599 - B_{\bar{N}}(2N+1597)) + B_{\bar{N}}(2N+1599 - B_{\bar{N}}(2N+1596))$$

$$= B_{\bar{N}}(2N+1599 - (2N+1393)) + B_{\bar{N}}(2N+1599 - (N+2150)) + B_{\bar{N}}(2N+1599 - (2N-900))$$

$$= B_{\bar{N}}(206) + B_{\bar{N}}(N-551) + B_{\bar{N}}(2499) = 206 + (N-551) + 2499 = N + 2154$$

$$(N \ge 2499)$$

$$B_{\bar{N}}(2N+1600) = B_{\bar{N}}(2N+1600-B_{\bar{N}}(2N+1599)) + B_{\bar{N}}(2N+1600-B_{\bar{N}}(2N+1598)) + B_{\bar{N}}(2N+1600-B_{\bar{N}}(2N+1597))$$

$$= B_{\bar{N}}(2N+1600-(N+2154)) + B_{\bar{N}}(2N+1600-(2N+1393)) + B_{\bar{N}}(2N+1600-(N+2150))$$

$$= B_{\bar{N}}(N-554) + B_{\bar{N}}(207) + B_{\bar{N}}(N-550) = (N-554) + 207 + (N-550) = 2N-897$$

$$(N \ge 555)$$

$$B_{\bar{N}}(2N+1601) = B_{\bar{N}}(2N+1601 - B_{\bar{N}}(2N+1600)) + B_{\bar{N}}(2N+1601 - B_{\bar{N}}(2N+1599)) + B_{\bar{N}}(2N+1601 - B_{\bar{N}}(2N+1598))$$

$$= B_{\bar{N}}(2N+1601 - (2N-897)) + B_{\bar{N}}(2N+1601 - (N+2154)) + B_{\bar{N}}(2N+1601 - (2N+1393))$$

$$= B_{\bar{N}}(2498) + B_{\bar{N}}(N-553) + B_{\bar{N}}(208) = 2498 + (N-553) + 208 = N+2153$$

$$(N \ge 2498)$$

$$B_{\bar{N}}(2N+1602) = B_{\bar{N}}(2N+1602 - B_{\bar{N}}(2N+1601)) + B_{\bar{N}}(2N+1602 - B_{\bar{N}}(2N+1600)) + B_{\bar{N}}(2N+1602 - B_{\bar{N}}(2N+1599))$$

$$= B_{\bar{N}}(2N+1602 - (N+2153)) + B_{\bar{N}}(2N+1602 - (2N-897)) + B_{\bar{N}}(2N+1602 - (N+2154))$$

$$= B_{\bar{N}}(N-551) + B_{\bar{N}}(2499) + B_{\bar{N}}(N-552) = (N-551) + 2499 + (N-552) = 2N+1396$$

$$(N \ge 2499)$$

$$B_{\bar{N}}(2N+1603) = B_{\bar{N}}(2N+1603-B_{\bar{N}}(2N+1602)) + B_{\bar{N}}(2N+1603-B_{\bar{N}}(2N+1601)) + B_{\bar{N}}(2N+1603-B_{\bar{N}}(2N+1600))$$

$$= B_{\bar{N}}(2N+1603-(2N+1396)) + B_{\bar{N}}(2N+1603-(N+2153)) + B_{\bar{N}}(2N+1603-(2N-897))$$

$$= B_{\bar{N}}(207) + B_{\bar{N}}(N-550) + B_{\bar{N}}(2500) = 207 + (N-550) + 2500 = N + 2157$$

$$(N \ge 2500)$$

$$B_{\bar{N}}(2N+1604) = B_{\bar{N}}(2N+1604-B_{\bar{N}}(2N+1603)) + B_{\bar{N}}(2N+1604-B_{\bar{N}}(2N+1602)) + B_{\bar{N}}(2N+1604-B_{\bar{N}}(2N+1601))$$

$$= B_{\bar{N}}(2N+1604-(N+2157)) + B_{\bar{N}}(2N+1604-(2N+1396)) + B_{\bar{N}}(2N+1604-(N+2153))$$

$$= B_{\bar{N}}(N-553) + B_{\bar{N}}(208) + B_{\bar{N}}(N-549) = (N-553) + 208 + (N-549) = 2N-894$$

$$(N \ge 554)$$

$$B_{\bar{N}}(2N+1605) = B_{\bar{N}}(2N+1605-B_{\bar{N}}(2N+1604)) + B_{\bar{N}}(2N+1605-B_{\bar{N}}(2N+1603)) + B_{\bar{N}}(2N+1605-B_{\bar{N}}(2N+1602))$$

$$= B_{\bar{N}}(2N+1605-(2N-894)) + B_{\bar{N}}(2N+1605-(N+2157)) + B_{\bar{N}}(2N+1605-(2N+1396))$$

$$= B_{\bar{N}}(2499) + B_{\bar{N}}(N-552) + B_{\bar{N}}(209) = 2499 + (N-552) + 209 = N+2156$$

$$(N \ge 2499)$$

$$B_{\bar{N}}(2N+1606) = B_{\bar{N}}(2N+1606-B_{\bar{N}}(2N+1605)) + B_{\bar{N}}(2N+1606-B_{\bar{N}}(2N+1604)) + B_{\bar{N}}(2N+1606-B_{\bar{N}}(2N+1603))$$

$$= B_{\bar{N}}(2N+1606-(N+2156)) + B_{\bar{N}}(2N+1606-(2N-894)) + B_{\bar{N}}(2N+1606-(N+2157))$$

$$= B_{\bar{N}}(N-550) + B_{\bar{N}}(2500) + B_{\bar{N}}(N-551) = (N-550) + 2500 + (N-551) = 2N+1399$$

$$(N > 2500)$$

$$B_{\bar{N}}(2N+1607) = B_{\bar{N}}(2N+1607-B_{\bar{N}}(2N+1606)) + B_{\bar{N}}(2N+1607-B_{\bar{N}}(2N+1605)) + B_{\bar{N}}(2N+1607-B_{\bar{N}}(2N+1604))$$

$$= B_{\bar{N}}(2N+1607-(2N+1399)) + B_{\bar{N}}(2N+1607-(N+2156)) + B_{\bar{N}}(2N+1607-(2N-894))$$

$$= B_{\bar{N}}(208) + B_{\bar{N}}(N-549) + B_{\bar{N}}(2501) = 208 + (N-549) + 2501 = N + 2160$$

$$(N \ge 2501)$$

$$B_{\bar{N}}(2N+1608) = B_{\bar{N}}(2N+1608-B_{\bar{N}}(2N+1607)) + B_{\bar{N}}(2N+1608-B_{\bar{N}}(2N+1606)) + B_{\bar{N}}(2N+1608-B_{\bar{N}}(2N+1605))$$

$$= B_{\bar{N}}(2N+1608-(N+2160)) + B_{\bar{N}}(2N+1608-(2N+1399)) + B_{\bar{N}}(2N+1608-(N+2156))$$

$$= B_{\bar{N}}(N-552) + B_{\bar{N}}(209) + B_{\bar{N}}(N-548) = (N-552) + 209 + (N-548) = 2N-891$$

$$(N \ge 553)$$

$$B_{\bar{N}}(2N+1609) = B_{\bar{N}}(2N+1609 - B_{\bar{N}}(2N+1608)) + B_{\bar{N}}(2N+1609 - B_{\bar{N}}(2N+1607)) + B_{\bar{N}}(2N+1609 - B_{\bar{N}}(2N+1609))$$

$$= B_{\bar{N}}(2N+1609 - (2N-891)) + B_{\bar{N}}(2N+1609 - (N+2160)) + B_{\bar{N}}(2N+1609 - (2N+1399))$$

$$= B_{\bar{N}}(2500) + B_{\bar{N}}(N-551) + B_{\bar{N}}(210) = 2500 + (N-551) + 210 = N+2159$$

$$(N > 2500)$$

$$B_{\bar{N}}(2N+1610) = B_{\bar{N}}(2N+1610-B_{\bar{N}}(2N+1609)) + B_{\bar{N}}(2N+1610-B_{\bar{N}}(2N+1608)) + B_{\bar{N}}(2N+1610-B_{\bar{N}}(2N+1607))$$

$$= B_{\bar{N}}(2N+1610-(N+2159)) + B_{\bar{N}}(2N+1610-(2N-891)) + B_{\bar{N}}(2N+1610-(N+2160))$$

$$= B_{\bar{N}}(N-549) + B_{\bar{N}}(2501) + B_{\bar{N}}(N-550) = (N-549) + 2501 + (N-550) = 2N+1402$$

$$(N \ge 2501)$$

$$B_{\bar{N}}(2N+1611) = B_{\bar{N}}(2N+1611-B_{\bar{N}}(2N+1610)) + B_{\bar{N}}(2N+1611-B_{\bar{N}}(2N+1609)) + B_{\bar{N}}(2N+1611-B_{\bar{N}}(2N+1608))$$

$$= B_{\bar{N}}(2N+1611-(2N+1402)) + B_{\bar{N}}(2N+1611-(N+2159)) + B_{\bar{N}}(2N+1611-(2N-891))$$

$$= B_{\bar{N}}(209) + B_{\bar{N}}(N-548) + B_{\bar{N}}(2502) = 209 + (N-548) + 2502 = N + 2163$$

$$(N \ge 2502)$$

$$B_{\bar{N}}(2N+1612) = B_{\bar{N}}(2N+1612-B_{\bar{N}}(2N+1611)) + B_{\bar{N}}(2N+1612-B_{\bar{N}}(2N+1610)) + B_{\bar{N}}(2N+1612-B_{\bar{N}}(2N+1609))$$

$$= B_{\bar{N}}(2N+1612-(N+2163)) + B_{\bar{N}}(2N+1612-(2N+1402)) + B_{\bar{N}}(2N+1612-(N+2159))$$

$$= B_{\bar{N}}(N-551) + B_{\bar{N}}(210) + B_{\bar{N}}(N-547) = (N-551) + 210 + (N-547) = 2N-888$$

$$(N \ge 552)$$

$$B_{\bar{N}}(2N+1613) = B_{\bar{N}}(2N+1613-B_{\bar{N}}(2N+1612)) + B_{\bar{N}}(2N+1613-B_{\bar{N}}(2N+1611)) + B_{\bar{N}}(2N+1613-B_{\bar{N}}(2N+1610))$$

$$= B_{\bar{N}}(2N+1613-(2N-888)) + B_{\bar{N}}(2N+1613-(N+2163)) + B_{\bar{N}}(2N+1613-(2N+1402))$$

$$= B_{\bar{N}}(2501) + B_{\bar{N}}(N-550) + B_{\bar{N}}(211) = 2501 + (N-550) + 211 = N + 2162$$

$$(N \ge 2501)$$

$$B_{\bar{N}}(2N+1614) = B_{\bar{N}}(2N+1614-B_{\bar{N}}(2N+1613)) + B_{\bar{N}}(2N+1614-B_{\bar{N}}(2N+1612)) + B_{\bar{N}}(2N+1614-B_{\bar{N}}(2N+1611))$$

$$= B_{\bar{N}}(2N+1614-(N+2162)) + B_{\bar{N}}(2N+1614-(2N-888)) + B_{\bar{N}}(2N+1614-(N+2163))$$

$$= B_{\bar{N}}(N-548) + B_{\bar{N}}(2502) + B_{\bar{N}}(N-549) = (N-548) + 2502 + (N-549) = 2N+1405$$

$$(N \ge 2502)$$

$$B_{\bar{N}}(2N+1615) = B_{\bar{N}}(2N+1615-B_{\bar{N}}(2N+1614)) + B_{\bar{N}}(2N+1615-B_{\bar{N}}(2N+1613)) + B_{\bar{N}}(2N+1615-B_{\bar{N}}(2N+1612))$$

$$= B_{\bar{N}}(2N+1615-(2N+1405)) + B_{\bar{N}}(2N+1615-(N+2162)) + B_{\bar{N}}(2N+1615-(2N-888))$$

$$= B_{\bar{N}}(210) + B_{\bar{N}}(N-547) + B_{\bar{N}}(2503) = 210 + (N-547) + 2503 = N + 2166$$

$$(N \ge 2503)$$

$$B_{\bar{N}}(2N+1616) = B_{\bar{N}}(2N+1616-B_{\bar{N}}(2N+1615)) + B_{\bar{N}}(2N+1616-B_{\bar{N}}(2N+1614)) + B_{\bar{N}}(2N+1616-B_{\bar{N}}(2N+1613))$$

$$= B_{\bar{N}}(2N+1616-(N+2166)) + B_{\bar{N}}(2N+1616-(2N+1405)) + B_{\bar{N}}(2N+1616-(N+2162))$$

$$= B_{\bar{N}}(N-550) + B_{\bar{N}}(211) + B_{\bar{N}}(N-546) = (N-550) + 211 + (N-546) = 2N-885$$

$$(N > 551)$$

$$B_{\bar{N}}(2N+1617) = B_{\bar{N}}(2N+1617-B_{\bar{N}}(2N+1616)) + B_{\bar{N}}(2N+1617-B_{\bar{N}}(2N+1615)) + B_{\bar{N}}(2N+1617-B_{\bar{N}}(2N+1614))$$

$$= B_{\bar{N}}(2N+1617-(2N-885)) + B_{\bar{N}}(2N+1617-(N+2166)) + B_{\bar{N}}(2N+1617-(2N+1405))$$

$$= B_{\bar{N}}(2502) + B_{\bar{N}}(N-549) + B_{\bar{N}}(212) = 2502 + (N-549) + 212 = N + 2165$$

$$(N > 2502)$$

$$B_{\bar{N}}(2N+1618) = B_{\bar{N}}(2N+1618-B_{\bar{N}}(2N+1617)) + B_{\bar{N}}(2N+1618-B_{\bar{N}}(2N+1616)) + B_{\bar{N}}(2N+1618-B_{\bar{N}}(2N+1615))$$

$$= B_{\bar{N}}(2N+1618-(N+2165)) + B_{\bar{N}}(2N+1618-(2N-885)) + B_{\bar{N}}(2N+1618-(N+2166))$$

$$= B_{\bar{N}}(N-547) + B_{\bar{N}}(2503) + B_{\bar{N}}(N-548) = (N-547) + 2503 + (N-548) = 2N+1408$$

$$(N \ge 2503)$$

$$B_{\bar{N}}(2N+1619) = B_{\bar{N}}(2N+1619 - B_{\bar{N}}(2N+1618)) + B_{\bar{N}}(2N+1619 - B_{\bar{N}}(2N+1617)) + B_{\bar{N}}(2N+1619 - B_{\bar{N}}(2N+1616))$$

$$= B_{\bar{N}}(2N+1619 - (2N+1408)) + B_{\bar{N}}(2N+1619 - (N+2165)) + B_{\bar{N}}(2N+1619 - (2N-885))$$

$$= B_{\bar{N}}(211) + B_{\bar{N}}(N-546) + B_{\bar{N}}(2504) = 211 + (N-546) + 2504 = N + 2169$$

$$(N \ge 2504)$$

$$B_{\bar{N}}(2N+1620) = B_{\bar{N}}(2N+1620 - B_{\bar{N}}(2N+1619)) + B_{\bar{N}}(2N+1620 - B_{\bar{N}}(2N+1618)) + B_{\bar{N}}(2N+1620 - B_{\bar{N}}(2N+1617))$$

$$= B_{\bar{N}}(2N+1620 - (N+2169)) + B_{\bar{N}}(2N+1620 - (2N+1408)) + B_{\bar{N}}(2N+1620 - (N+2165))$$

$$= B_{\bar{N}}(N-549) + B_{\bar{N}}(212) + B_{\bar{N}}(N-545) = (N-549) + 212 + (N-545) = 2N-882$$

$$(N \ge 550)$$

$$B_{\bar{N}}(2N+1621) = B_{\bar{N}}(2N+1621-B_{\bar{N}}(2N+1620)) + B_{\bar{N}}(2N+1621-B_{\bar{N}}(2N+1619)) + B_{\bar{N}}(2N+1621-B_{\bar{N}}(2N+1618))$$

$$= B_{\bar{N}}(2N+1621-(2N-882)) + B_{\bar{N}}(2N+1621-(N+2169)) + B_{\bar{N}}(2N+1621-(2N+1408))$$

$$= B_{\bar{N}}(2503) + B_{\bar{N}}(N-548) + B_{\bar{N}}(213) = 2503 + (N-548) + 213 = N + 2168$$

$$(N \ge 2503)$$

$$B_{\bar{N}}(2N+1622) = B_{\bar{N}}(2N+1622-B_{\bar{N}}(2N+1621)) + B_{\bar{N}}(2N+1622-B_{\bar{N}}(2N+1620)) + B_{\bar{N}}(2N+1622-B_{\bar{N}}(2N+1619))$$

$$= B_{\bar{N}}(2N+1622-(N+2168)) + B_{\bar{N}}(2N+1622-(2N-882)) + B_{\bar{N}}(2N+1622-(N+2169))$$

$$= B_{\bar{N}}(N-546) + B_{\bar{N}}(2504) + B_{\bar{N}}(N-547) = (N-546) + 2504 + (N-547) = 2N+1411$$

$$(N \ge 2504)$$

$$B_{\bar{N}}(2N+1623) = B_{\bar{N}}(2N+1623-B_{\bar{N}}(2N+1622)) + B_{\bar{N}}(2N+1623-B_{\bar{N}}(2N+1621)) + B_{\bar{N}}(2N+1623-B_{\bar{N}}(2N+1620))$$

$$= B_{\bar{N}}(2N+1623-(2N+1411)) + B_{\bar{N}}(2N+1623-(N+2168)) + B_{\bar{N}}(2N+1623-(2N-882))$$

$$= B_{\bar{N}}(212) + B_{\bar{N}}(N-545) + B_{\bar{N}}(2505) = 212 + (N-545) + 2505 = N+2172$$

$$(N \ge 2505)$$

$$B_{\bar{N}}(2N+1624) = B_{\bar{N}}(2N+1624-B_{\bar{N}}(2N+1623)) + B_{\bar{N}}(2N+1624-B_{\bar{N}}(2N+1622)) + B_{\bar{N}}(2N+1624-B_{\bar{N}}(2N+1621))$$

$$= B_{\bar{N}}(2N+1624-(N+2172)) + B_{\bar{N}}(2N+1624-(2N+1411)) + B_{\bar{N}}(2N+1624-(N+2168))$$

$$= B_{\bar{N}}(N-548) + B_{\bar{N}}(213) + B_{\bar{N}}(N-544) = (N-548) + 213 + (N-544) = 2N-879$$

$$(N \ge 549)$$

$$B_{\bar{N}}(2N+1625) = B_{\bar{N}}(2N+1625-B_{\bar{N}}(2N+1624)) + B_{\bar{N}}(2N+1625-B_{\bar{N}}(2N+1623)) + B_{\bar{N}}(2N+1625-B_{\bar{N}}(2N+1622))$$

$$= B_{\bar{N}}(2N+1625-(2N-879)) + B_{\bar{N}}(2N+1625-(N+2172)) + B_{\bar{N}}(2N+1625-(2N+1411))$$

$$= B_{\bar{N}}(2504) + B_{\bar{N}}(N-547) + B_{\bar{N}}(214) = 2504 + (N-547) + 214 = N + 2171$$

$$(N \ge 2504)$$

$$B_{\bar{N}}(2N+1626) = B_{\bar{N}}(2N+1626-B_{\bar{N}}(2N+1625)) + B_{\bar{N}}(2N+1626-B_{\bar{N}}(2N+1624)) + B_{\bar{N}}(2N+1626-B_{\bar{N}}(2N+1623))$$

$$= B_{\bar{N}}(2N+1626-(N+2171)) + B_{\bar{N}}(2N+1626-(2N-879)) + B_{\bar{N}}(2N+1626-(N+2172))$$

$$= B_{\bar{N}}(N-545) + B_{\bar{N}}(2505) + B_{\bar{N}}(N-546) = (N-545) + 2505 + (N-546) = 2N+1414$$

$$(N \ge 2505)$$

$$B_{\bar{N}}(2N+1627) = B_{\bar{N}}(2N+1627-B_{\bar{N}}(2N+1626)) + B_{\bar{N}}(2N+1627-B_{\bar{N}}(2N+1625)) + B_{\bar{N}}(2N+1627-B_{\bar{N}}(2N+1624))$$

$$= B_{\bar{N}}(2N+1627-(2N+1414)) + B_{\bar{N}}(2N+1627-(N+2171)) + B_{\bar{N}}(2N+1627-(2N-879))$$

$$= B_{\bar{N}}(213) + B_{\bar{N}}(N-544) + B_{\bar{N}}(2506) = 213 + (N-544) + 2506 = N+2175$$

$$(N \ge 2506)$$

$$B_{\bar{N}}(2N+1628) = B_{\bar{N}}(2N+1628-B_{\bar{N}}(2N+1627)) + B_{\bar{N}}(2N+1628-B_{\bar{N}}(2N+1626)) + B_{\bar{N}}(2N+1628-B_{\bar{N}}(2N+1625))$$

$$= B_{\bar{N}}(2N+1628-(N+2175)) + B_{\bar{N}}(2N+1628-(2N+1414)) + B_{\bar{N}}(2N+1628-(N+2171))$$

$$= B_{\bar{N}}(N-547) + B_{\bar{N}}(214) + B_{\bar{N}}(N-543) = (N-547) + 214 + (N-543) = 2N-876$$

$$(N \ge 548)$$

$$B_{\bar{N}}(2N+1629) = B_{\bar{N}}(2N+1629 - B_{\bar{N}}(2N+1628)) + B_{\bar{N}}(2N+1629 - B_{\bar{N}}(2N+1627)) + B_{\bar{N}}(2N+1629 - B_{\bar{N}}(2N+1629))$$

$$= B_{\bar{N}}(2N+1629 - (2N-876)) + B_{\bar{N}}(2N+1629 - (N+2175)) + B_{\bar{N}}(2N+1629 - (2N+1414))$$

$$= B_{\bar{N}}(2505) + B_{\bar{N}}(N-546) + B_{\bar{N}}(215) = 2505 + (N-546) + 215 = N + 2174$$

$$(N \ge 2505)$$

$$B_{\bar{N}}(2N+1630) = B_{\bar{N}}(2N+1630 - B_{\bar{N}}(2N+1629)) + B_{\bar{N}}(2N+1630 - B_{\bar{N}}(2N+1628)) + B_{\bar{N}}(2N+1630 - B_{\bar{N}}(2N+1627))$$

$$= B_{\bar{N}}(2N+1630 - (N+2174)) + B_{\bar{N}}(2N+1630 - (2N-876)) + B_{\bar{N}}(2N+1630 - (N+2175))$$

$$= B_{\bar{N}}(N-544) + B_{\bar{N}}(2506) + B_{\bar{N}}(N-545) = (N-544) + 2506 + (N-545) = 2N+1417$$

$$(N \ge 2506)$$

$$B_{\bar{N}}(2N+1631) = B_{\bar{N}}(2N+1631-B_{\bar{N}}(2N+1630)) + B_{\bar{N}}(2N+1631-B_{\bar{N}}(2N+1629)) + B_{\bar{N}}(2N+1631-B_{\bar{N}}(2N+1628))$$

$$= B_{\bar{N}}(2N+1631-(2N+1417)) + B_{\bar{N}}(2N+1631-(N+2174)) + B_{\bar{N}}(2N+1631-(2N-876))$$

$$= B_{\bar{N}}(214) + B_{\bar{N}}(N-543) + B_{\bar{N}}(2507) = 214 + (N-543) + 2507 = N+2178$$

$$(N > 2507)$$

$$B_{\bar{N}}(2N+1632) = B_{\bar{N}}(2N+1632-B_{\bar{N}}(2N+1631)) + B_{\bar{N}}(2N+1632-B_{\bar{N}}(2N+1630)) + B_{\bar{N}}(2N+1632-B_{\bar{N}}(2N+1629))$$

$$= B_{\bar{N}}(2N+1632-(N+2178)) + B_{\bar{N}}(2N+1632-(2N+1417)) + B_{\bar{N}}(2N+1632-(N+2174))$$

$$= B_{\bar{N}}(N-546) + B_{\bar{N}}(215) + B_{\bar{N}}(N-542) = (N-546) + 215 + (N-542) = 2N-873$$

$$(N \ge 547)$$

$$B_{\bar{N}}(2N+1633) = B_{\bar{N}}(2N+1633-B_{\bar{N}}(2N+1632)) + B_{\bar{N}}(2N+1633-B_{\bar{N}}(2N+1631)) + B_{\bar{N}}(2N+1633-B_{\bar{N}}(2N+1630))$$

$$= B_{\bar{N}}(2N+1633-(2N-873)) + B_{\bar{N}}(2N+1633-(N+2178)) + B_{\bar{N}}(2N+1633-(2N+1417))$$

$$= B_{\bar{N}}(2506) + B_{\bar{N}}(N-545) + B_{\bar{N}}(216) = 2506 + (N-545) + 216 = N+2177$$

$$(N \ge 2506)$$

$$B_{\bar{N}}(2N+1634) = B_{\bar{N}}(2N+1634-B_{\bar{N}}(2N+1633)) + B_{\bar{N}}(2N+1634-B_{\bar{N}}(2N+1632)) + B_{\bar{N}}(2N+1634-B_{\bar{N}}(2N+1631))$$

$$= B_{\bar{N}}(2N+1634-(N+2177)) + B_{\bar{N}}(2N+1634-(2N-873)) + B_{\bar{N}}(2N+1634-(N+2178))$$

$$= B_{\bar{N}}(N-543) + B_{\bar{N}}(2507) + B_{\bar{N}}(N-544) = (N-543) + 2507 + (N-544) = 2N+1420$$

$$(N \ge 2507)$$

$$B_{\bar{N}}(2N+1635) = B_{\bar{N}}(2N+1635-B_{\bar{N}}(2N+1634)) + B_{\bar{N}}(2N+1635-B_{\bar{N}}(2N+1633)) + B_{\bar{N}}(2N+1635-B_{\bar{N}}(2N+1632))$$

$$= B_{\bar{N}}(2N+1635-(2N+1420)) + B_{\bar{N}}(2N+1635-(N+2177)) + B_{\bar{N}}(2N+1635-(2N-873))$$

$$= B_{\bar{N}}(215) + B_{\bar{N}}(N-542) + B_{\bar{N}}(2508) = 215 + (N-542) + 2508 = N + 2181$$

$$(N \ge 2508)$$

$$B_{\bar{N}}(2N+1636) = B_{\bar{N}}(2N+1636-B_{\bar{N}}(2N+1635)) + B_{\bar{N}}(2N+1636-B_{\bar{N}}(2N+1634)) + B_{\bar{N}}(2N+1636-B_{\bar{N}}(2N+1633))$$

$$= B_{\bar{N}}(2N+1636-(N+2181)) + B_{\bar{N}}(2N+1636-(2N+1420)) + B_{\bar{N}}(2N+1636-(N+2177))$$

$$= B_{\bar{N}}(N-545) + B_{\bar{N}}(216) + B_{\bar{N}}(N-541) = (N-545) + 216 + (N-541) = 2N-870$$

$$(N \ge 546)$$

$$B_{\bar{N}}(2N+1637) = B_{\bar{N}}(2N+1637 - B_{\bar{N}}(2N+1636)) + B_{\bar{N}}(2N+1637 - B_{\bar{N}}(2N+1635)) + B_{\bar{N}}(2N+1637 - B_{\bar{N}}(2N+1634))$$

$$= B_{\bar{N}}(2N+1637 - (2N-870)) + B_{\bar{N}}(2N+1637 - (N+2181)) + B_{\bar{N}}(2N+1637 - (2N+1420))$$

$$= B_{\bar{N}}(2507) + B_{\bar{N}}(N-544) + B_{\bar{N}}(217) = 2507 + (N-544) + 217 = N + 2180$$

$$(N \ge 2507)$$

$$B_{\bar{N}}(2N+1638) = B_{\bar{N}}(2N+1638-B_{\bar{N}}(2N+1637)) + B_{\bar{N}}(2N+1638-B_{\bar{N}}(2N+1636)) + B_{\bar{N}}(2N+1638-B_{\bar{N}}(2N+1635))$$

$$= B_{\bar{N}}(2N+1638-(N+2180)) + B_{\bar{N}}(2N+1638-(2N-870)) + B_{\bar{N}}(2N+1638-(N+2181))$$

$$= B_{\bar{N}}(N-542) + B_{\bar{N}}(2508) + B_{\bar{N}}(N-543) = (N-542) + 2508 + (N-543) = 2N+1423$$

$$(N \ge 2508)$$

$$B_{\bar{N}}(2N+1639) = B_{\bar{N}}(2N+1639 - B_{\bar{N}}(2N+1638)) + B_{\bar{N}}(2N+1639 - B_{\bar{N}}(2N+1637)) + B_{\bar{N}}(2N+1639 - B_{\bar{N}}(2N+1639))$$

$$= B_{\bar{N}}(2N+1639 - (2N+1423)) + B_{\bar{N}}(2N+1639 - (N+2180)) + B_{\bar{N}}(2N+1639 - (2N-870))$$

$$= B_{\bar{N}}(216) + B_{\bar{N}}(N-541) + B_{\bar{N}}(2509) = 216 + (N-541) + 2509 = N + 2184$$

$$(N \ge 2509)$$

$$B_{\bar{N}}(2N+1640) = B_{\bar{N}}(2N+1640-B_{\bar{N}}(2N+1639)) + B_{\bar{N}}(2N+1640-B_{\bar{N}}(2N+1638)) + B_{\bar{N}}(2N+1640-B_{\bar{N}}(2N+1637))$$

$$= B_{\bar{N}}(2N+1640-(N+2184)) + B_{\bar{N}}(2N+1640-(2N+1423)) + B_{\bar{N}}(2N+1640-(N+2180))$$

$$= B_{\bar{N}}(N-544) + B_{\bar{N}}(217) + B_{\bar{N}}(N-540) = (N-544) + 217 + (N-540) = 2N-867$$

$$(N \ge 545)$$

$$B_{\bar{N}}(2N+1641) = B_{\bar{N}}(2N+1641-B_{\bar{N}}(2N+1640)) + B_{\bar{N}}(2N+1641-B_{\bar{N}}(2N+1639)) + B_{\bar{N}}(2N+1641-B_{\bar{N}}(2N+1638))$$

$$= B_{\bar{N}}(2N+1641-(2N-867)) + B_{\bar{N}}(2N+1641-(N+2184)) + B_{\bar{N}}(2N+1641-(2N+1423))$$

$$= B_{\bar{N}}(2508) + B_{\bar{N}}(N-543) + B_{\bar{N}}(218) = 2508 + (N-543) + 218 = N + 2183$$

$$(N \ge 2508)$$

$$B_{\bar{N}}(2N+1642) = B_{\bar{N}}(2N+1642-B_{\bar{N}}(2N+1641)) + B_{\bar{N}}(2N+1642-B_{\bar{N}}(2N+1640)) + B_{\bar{N}}(2N+1642-B_{\bar{N}}(2N+1639))$$

$$= B_{\bar{N}}(2N+1642-(N+2183)) + B_{\bar{N}}(2N+1642-(2N-867)) + B_{\bar{N}}(2N+1642-(N+2184))$$

$$= B_{\bar{N}}(N-541) + B_{\bar{N}}(2509) + B_{\bar{N}}(N-542) = (N-541) + 2509 + (N-542) = 2N+1426$$

$$(N \ge 2509)$$

$$B_{\bar{N}}(2N+1643) = B_{\bar{N}}(2N+1643-B_{\bar{N}}(2N+1642)) + B_{\bar{N}}(2N+1643-B_{\bar{N}}(2N+1641)) + B_{\bar{N}}(2N+1643-B_{\bar{N}}(2N+1640))$$

$$= B_{\bar{N}}(2N+1643-(2N+1426)) + B_{\bar{N}}(2N+1643-(N+2183)) + B_{\bar{N}}(2N+1643-(2N-867))$$

$$= B_{\bar{N}}(217) + B_{\bar{N}}(N-540) + B_{\bar{N}}(2510) = 217 + (N-540) + 2510 = N + 2187$$

$$(N \ge 2510)$$

$$B_{\bar{N}}(2N+1644) = B_{\bar{N}}(2N+1644-B_{\bar{N}}(2N+1643)) + B_{\bar{N}}(2N+1644-B_{\bar{N}}(2N+1642)) + B_{\bar{N}}(2N+1644-B_{\bar{N}}(2N+1641))$$

$$= B_{\bar{N}}(2N+1644-(N+2187)) + B_{\bar{N}}(2N+1644-(2N+1426)) + B_{\bar{N}}(2N+1644-(N+2183))$$

$$= B_{\bar{N}}(N-543) + B_{\bar{N}}(218) + B_{\bar{N}}(N-539) = (N-543) + 218 + (N-539) = 2N-864$$

$$(N \ge 544)$$

$$B_{\bar{N}}(2N+1645) = B_{\bar{N}}(2N+1645-B_{\bar{N}}(2N+1644)) + B_{\bar{N}}(2N+1645-B_{\bar{N}}(2N+1643)) + B_{\bar{N}}(2N+1645-B_{\bar{N}}(2N+1642))$$

$$= B_{\bar{N}}(2N+1645-(2N-864)) + B_{\bar{N}}(2N+1645-(N+2187)) + B_{\bar{N}}(2N+1645-(2N+1426))$$

$$= B_{\bar{N}}(2509) + B_{\bar{N}}(N-542) + B_{\bar{N}}(219) = 2509 + (N-542) + 219 = N + 2186$$

$$(N \ge 2509)$$

$$B_{\bar{N}}(2N+1646) = B_{\bar{N}}(2N+1646-B_{\bar{N}}(2N+1645)) + B_{\bar{N}}(2N+1646-B_{\bar{N}}(2N+1644)) + B_{\bar{N}}(2N+1646-B_{\bar{N}}(2N+1643))$$

$$= B_{\bar{N}}(2N+1646-(N+2186)) + B_{\bar{N}}(2N+1646-(2N-864)) + B_{\bar{N}}(2N+1646-(N+2187))$$

$$= B_{\bar{N}}(N-540) + B_{\bar{N}}(2510) + B_{\bar{N}}(N-541) = (N-540) + 2510 + (N-541) = 2N+1429$$

$$(N > 2510)$$

$$B_{\bar{N}}(2N+1647) = B_{\bar{N}}(2N+1647-B_{\bar{N}}(2N+1646)) + B_{\bar{N}}(2N+1647-B_{\bar{N}}(2N+1645)) + B_{\bar{N}}(2N+1647-B_{\bar{N}}(2N+1644))$$

$$= B_{\bar{N}}(2N+1647-(2N+1429)) + B_{\bar{N}}(2N+1647-(N+2186)) + B_{\bar{N}}(2N+1647-(2N-864))$$

$$= B_{\bar{N}}(218) + B_{\bar{N}}(N-539) + B_{\bar{N}}(2511) = 218 + (N-539) + 2511 = N + 2190$$

$$(N \ge 2511)$$

$$B_{\bar{N}}(2N+1648) = B_{\bar{N}}(2N+1648-B_{\bar{N}}(2N+1647)) + B_{\bar{N}}(2N+1648-B_{\bar{N}}(2N+1646)) + B_{\bar{N}}(2N+1648-B_{\bar{N}}(2N+1645))$$

$$= B_{\bar{N}}(2N+1648-(N+2190)) + B_{\bar{N}}(2N+1648-(2N+1429)) + B_{\bar{N}}(2N+1648-(N+2186))$$

$$= B_{\bar{N}}(N-542) + B_{\bar{N}}(219) + B_{\bar{N}}(N-538) = (N-542) + 219 + (N-538) = 2N-861$$

$$(N \ge 543)$$

$$B_{\bar{N}}(2N+1649) = B_{\bar{N}}(2N+1649 - B_{\bar{N}}(2N+1648)) + B_{\bar{N}}(2N+1649 - B_{\bar{N}}(2N+1647)) + B_{\bar{N}}(2N+1649 - B_{\bar{N}}(2N+1649))$$

$$= B_{\bar{N}}(2N+1649 - (2N-861)) + B_{\bar{N}}(2N+1649 - (N+2190)) + B_{\bar{N}}(2N+1649 - (2N+1429))$$

$$= B_{\bar{N}}(2510) + B_{\bar{N}}(N-541) + B_{\bar{N}}(220) = 2510 + (N-541) + 220 = N + 2189$$

$$(N \ge 2510)$$

$$B_{\bar{N}}(2N+1650) = B_{\bar{N}}(2N+1650-B_{\bar{N}}(2N+1649)) + B_{\bar{N}}(2N+1650-B_{\bar{N}}(2N+1648)) + B_{\bar{N}}(2N+1650-B_{\bar{N}}(2N+1647))$$

$$= B_{\bar{N}}(2N+1650-(N+2189)) + B_{\bar{N}}(2N+1650-(2N-861)) + B_{\bar{N}}(2N+1650-(N+2190))$$

$$= B_{\bar{N}}(N-539) + B_{\bar{N}}(2511) + B_{\bar{N}}(N-540) = (N-539) + 2511 + (N-540) = 2N+1432$$

$$(N \ge 2511)$$

$$B_{\bar{N}}(2N+1651) = B_{\bar{N}}(2N+1651-B_{\bar{N}}(2N+1650)) + B_{\bar{N}}(2N+1651-B_{\bar{N}}(2N+1649)) + B_{\bar{N}}(2N+1651-B_{\bar{N}}(2N+1648))$$

$$= B_{\bar{N}}(2N+1651-(2N+1432)) + B_{\bar{N}}(2N+1651-(N+2189)) + B_{\bar{N}}(2N+1651-(2N-861))$$

$$= B_{\bar{N}}(219) + B_{\bar{N}}(N-538) + B_{\bar{N}}(2512) = 219 + (N-538) + 2512 = N + 2193$$

$$(N > 2512)$$

$$B_{\bar{N}}(2N+1652) = B_{\bar{N}}(2N+1652-B_{\bar{N}}(2N+1651)) + B_{\bar{N}}(2N+1652-B_{\bar{N}}(2N+1650)) + B_{\bar{N}}(2N+1652-B_{\bar{N}}(2N+1649))$$

$$= B_{\bar{N}}(2N+1652-(N+2193)) + B_{\bar{N}}(2N+1652-(2N+1432)) + B_{\bar{N}}(2N+1652-(N+2189))$$

$$= B_{\bar{N}}(N-541) + B_{\bar{N}}(220) + B_{\bar{N}}(N-537) = (N-541) + 220 + (N-537) = 2N-858$$

$$(N \ge 542)$$

$$B_{\bar{N}}(2N+1653) = B_{\bar{N}}(2N+1653-B_{\bar{N}}(2N+1652)) + B_{\bar{N}}(2N+1653-B_{\bar{N}}(2N+1651)) + B_{\bar{N}}(2N+1653-B_{\bar{N}}(2N+1650))$$

$$= B_{\bar{N}}(2N+1653-(2N-858)) + B_{\bar{N}}(2N+1653-(N+2193)) + B_{\bar{N}}(2N+1653-(2N+1432))$$

$$= B_{\bar{N}}(2511) + B_{\bar{N}}(N-540) + B_{\bar{N}}(221) = 2511 + (N-540) + 221 = N + 2192$$

$$(N \ge 2511)$$

$$B_{\bar{N}}(2N+1654) = B_{\bar{N}}(2N+1654-B_{\bar{N}}(2N+1653)) + B_{\bar{N}}(2N+1654-B_{\bar{N}}(2N+1652)) + B_{\bar{N}}(2N+1654-B_{\bar{N}}(2N+1651))$$

$$= B_{\bar{N}}(2N+1654-(N+2192)) + B_{\bar{N}}(2N+1654-(2N-858)) + B_{\bar{N}}(2N+1654-(N+2193))$$

$$= B_{\bar{N}}(N-538) + B_{\bar{N}}(2512) + B_{\bar{N}}(N-539) = (N-538) + 2512 + (N-539) = 2N+1435$$

$$(N \ge 2512)$$

$$B_{\bar{N}}(2N+1655) = B_{\bar{N}}(2N+1655-B_{\bar{N}}(2N+1654)) + B_{\bar{N}}(2N+1655-B_{\bar{N}}(2N+1653)) + B_{\bar{N}}(2N+1655-B_{\bar{N}}(2N+1652))$$

$$= B_{\bar{N}}(2N+1655-(2N+1435)) + B_{\bar{N}}(2N+1655-(N+2192)) + B_{\bar{N}}(2N+1655-(2N-858))$$

$$= B_{\bar{N}}(220) + B_{\bar{N}}(N-537) + B_{\bar{N}}(2513) = 220 + (N-537) + 2513 = N + 2196$$

$$(N \ge 2513)$$

$$B_{\bar{N}}(2N+1656) = B_{\bar{N}}(2N+1656-B_{\bar{N}}(2N+1655)) + B_{\bar{N}}(2N+1656-B_{\bar{N}}(2N+1654)) + B_{\bar{N}}(2N+1656-B_{\bar{N}}(2N+1653))$$

$$= B_{\bar{N}}(2N+1656-(N+2196)) + B_{\bar{N}}(2N+1656-(2N+1435)) + B_{\bar{N}}(2N+1656-(N+2192))$$

$$= B_{\bar{N}}(N-540) + B_{\bar{N}}(221) + B_{\bar{N}}(N-536) = (N-540) + 221 + (N-536) = 2N-855$$

$$(N \ge 541)$$

$$B_{\bar{N}}(2N+1657) = B_{\bar{N}}(2N+1657 - B_{\bar{N}}(2N+1656)) + B_{\bar{N}}(2N+1657 - B_{\bar{N}}(2N+1655)) + B_{\bar{N}}(2N+1657 - B_{\bar{N}}(2N+1654))$$

$$= B_{\bar{N}}(2N+1657 - (2N-855)) + B_{\bar{N}}(2N+1657 - (N+2196)) + B_{\bar{N}}(2N+1657 - (2N+1435))$$

$$= B_{\bar{N}}(2512) + B_{\bar{N}}(N-539) + B_{\bar{N}}(222) = 2512 + (N-539) + 222 = N + 2195$$

$$(N \ge 2512)$$

$$B_{\bar{N}}(2N+1658) = B_{\bar{N}}(2N+1658-B_{\bar{N}}(2N+1657)) + B_{\bar{N}}(2N+1658-B_{\bar{N}}(2N+1656)) + B_{\bar{N}}(2N+1658-B_{\bar{N}}(2N+1655))$$

$$= B_{\bar{N}}(2N+1658-(N+2195)) + B_{\bar{N}}(2N+1658-(2N-855)) + B_{\bar{N}}(2N+1658-(N+2196))$$

$$= B_{\bar{N}}(N-537) + B_{\bar{N}}(2513) + B_{\bar{N}}(N-538) = (N-537) + 2513 + (N-538) = 2N+1438$$

$$(N \ge 2513)$$

$$B_{\bar{N}}(2N+1659) = B_{\bar{N}}(2N+1659 - B_{\bar{N}}(2N+1658)) + B_{\bar{N}}(2N+1659 - B_{\bar{N}}(2N+1657)) + B_{\bar{N}}(2N+1659 - B_{\bar{N}}(2N+1659))$$

$$= B_{\bar{N}}(2N+1659 - (2N+1438)) + B_{\bar{N}}(2N+1659 - (N+2195)) + B_{\bar{N}}(2N+1659 - (2N-855))$$

$$= B_{\bar{N}}(221) + B_{\bar{N}}(N-536) + B_{\bar{N}}(2514) = 221 + (N-536) + 2514 = N + 2199$$

$$(N \ge 2514)$$

$$B_{\bar{N}}(2N+1660) = B_{\bar{N}}(2N+1660-B_{\bar{N}}(2N+1659)) + B_{\bar{N}}(2N+1660-B_{\bar{N}}(2N+1658)) + B_{\bar{N}}(2N+1660-B_{\bar{N}}(2N+1657))$$

$$= B_{\bar{N}}(2N+1660-(N+2199)) + B_{\bar{N}}(2N+1660-(2N+1438)) + B_{\bar{N}}(2N+1660-(N+2195))$$

$$= B_{\bar{N}}(N-539) + B_{\bar{N}}(222) + B_{\bar{N}}(N-535) = (N-539) + 222 + (N-535) = 2N-852$$

$$(N \ge 540)$$

$$B_{\bar{N}}(2N+1661) = B_{\bar{N}}(2N+1661-B_{\bar{N}}(2N+1660)) + B_{\bar{N}}(2N+1661-B_{\bar{N}}(2N+1659)) + B_{\bar{N}}(2N+1661-B_{\bar{N}}(2N+1658))$$

$$= B_{\bar{N}}(2N+1661-(2N-852)) + B_{\bar{N}}(2N+1661-(N+2199)) + B_{\bar{N}}(2N+1661-(2N+1438))$$

$$= B_{\bar{N}}(2513) + B_{\bar{N}}(N-538) + B_{\bar{N}}(223) = 2513 + (N-538) + 223 = N + 2198$$

$$(N \ge 2513)$$

$$B_{\bar{N}}(2N+1662) = B_{\bar{N}}(2N+1662-B_{\bar{N}}(2N+1661)) + B_{\bar{N}}(2N+1662-B_{\bar{N}}(2N+1660)) + B_{\bar{N}}(2N+1662-B_{\bar{N}}(2N+1659))$$

$$= B_{\bar{N}}(2N+1662-(N+2198)) + B_{\bar{N}}(2N+1662-(2N-852)) + B_{\bar{N}}(2N+1662-(N+2199))$$

$$= B_{\bar{N}}(N-536) + B_{\bar{N}}(2514) + B_{\bar{N}}(N-537) = (N-536) + 2514 + (N-537) = 2N+1441$$

$$(N \ge 2514)$$

$$B_{\bar{N}}(2N+1663) = B_{\bar{N}}(2N+1663-B_{\bar{N}}(2N+1662)) + B_{\bar{N}}(2N+1663-B_{\bar{N}}(2N+1661)) + B_{\bar{N}}(2N+1663-B_{\bar{N}}(2N+1660))$$

$$= B_{\bar{N}}(2N+1663-(2N+1441)) + B_{\bar{N}}(2N+1663-(N+2198)) + B_{\bar{N}}(2N+1663-(2N-852))$$

$$= B_{\bar{N}}(222) + B_{\bar{N}}(N-535) + B_{\bar{N}}(2515) = 222 + (N-535) + 2515 = N + 2202$$

$$(N \ge 2515)$$

$$B_{\bar{N}}(2N+1664) = B_{\bar{N}}(2N+1664-B_{\bar{N}}(2N+1663)) + B_{\bar{N}}(2N+1664-B_{\bar{N}}(2N+1662)) + B_{\bar{N}}(2N+1664-B_{\bar{N}}(2N+1661))$$

$$= B_{\bar{N}}(2N+1664-(N+2202)) + B_{\bar{N}}(2N+1664-(2N+1441)) + B_{\bar{N}}(2N+1664-(N+2198))$$

$$= B_{\bar{N}}(N-538) + B_{\bar{N}}(223) + B_{\bar{N}}(N-534) = (N-538) + 223 + (N-534) = 2N-849$$

$$(N \ge 539)$$

$$B_{\bar{N}}(2N+1665) = B_{\bar{N}}(2N+1665-B_{\bar{N}}(2N+1664)) + B_{\bar{N}}(2N+1665-B_{\bar{N}}(2N+1663)) + B_{\bar{N}}(2N+1665-B_{\bar{N}}(2N+1662))$$

$$= B_{\bar{N}}(2N+1665-(2N-849)) + B_{\bar{N}}(2N+1665-(N+2202)) + B_{\bar{N}}(2N+1665-(2N+1441))$$

$$= B_{\bar{N}}(2514) + B_{\bar{N}}(N-537) + B_{\bar{N}}(224) = 2514 + (N-537) + 224 = N + 2201$$

$$(N \ge 2514)$$

$$B_{\bar{N}}(2N+1666) = B_{\bar{N}}(2N+1666-B_{\bar{N}}(2N+1665)) + B_{\bar{N}}(2N+1666-B_{\bar{N}}(2N+1664)) + B_{\bar{N}}(2N+1666-B_{\bar{N}}(2N+1663))$$

$$= B_{\bar{N}}(2N+1666-(N+2201)) + B_{\bar{N}}(2N+1666-(2N-849)) + B_{\bar{N}}(2N+1666-(N+2202))$$

$$= B_{\bar{N}}(N-535) + B_{\bar{N}}(2515) + B_{\bar{N}}(N-536) = (N-535) + 2515 + (N-536) = 2N+1444$$

$$(N > 2515)$$

$$B_{\bar{N}}(2N+1667) = B_{\bar{N}}(2N+1667-B_{\bar{N}}(2N+1666)) + B_{\bar{N}}(2N+1667-B_{\bar{N}}(2N+1665)) + B_{\bar{N}}(2N+1667-B_{\bar{N}}(2N+1664))$$

$$= B_{\bar{N}}(2N+1667-(2N+1444)) + B_{\bar{N}}(2N+1667-(N+2201)) + B_{\bar{N}}(2N+1667-(2N-849))$$

$$= B_{\bar{N}}(223) + B_{\bar{N}}(N-534) + B_{\bar{N}}(2516) = 223 + (N-534) + 2516 = N + 2205$$

$$(N \ge 2516)$$

$$B_{\bar{N}}(2N+1668) = B_{\bar{N}}(2N+1668-B_{\bar{N}}(2N+1667)) + B_{\bar{N}}(2N+1668-B_{\bar{N}}(2N+1666)) + B_{\bar{N}}(2N+1668-B_{\bar{N}}(2N+1665))$$

$$= B_{\bar{N}}(2N+1668-(N+2205)) + B_{\bar{N}}(2N+1668-(2N+1444)) + B_{\bar{N}}(2N+1668-(N+2201))$$

$$= B_{\bar{N}}(N-537) + B_{\bar{N}}(224) + B_{\bar{N}}(N-533) = (N-537) + 224 + (N-533) = 2N-846$$

$$(N \ge 538)$$

$$B_{\bar{N}}(2N+1669) = B_{\bar{N}}(2N+1669 - B_{\bar{N}}(2N+1668)) + B_{\bar{N}}(2N+1669 - B_{\bar{N}}(2N+1667)) + B_{\bar{N}}(2N+1669 - B_{\bar{N}}(2N+1669))$$

$$= B_{\bar{N}}(2N+1669 - (2N-846)) + B_{\bar{N}}(2N+1669 - (N+2205)) + B_{\bar{N}}(2N+1669 - (2N+1444))$$

$$= B_{\bar{N}}(2515) + B_{\bar{N}}(N-536) + B_{\bar{N}}(225) = 2515 + (N-536) + 225 = N + 2204$$

$$(N \ge 2515)$$

$$B_{\bar{N}}(2N+1670) = B_{\bar{N}}(2N+1670 - B_{\bar{N}}(2N+1669)) + B_{\bar{N}}(2N+1670 - B_{\bar{N}}(2N+1668)) + B_{\bar{N}}(2N+1670 - B_{\bar{N}}(2N+1667))$$

$$= B_{\bar{N}}(2N+1670 - (N+2204)) + B_{\bar{N}}(2N+1670 - (2N-846)) + B_{\bar{N}}(2N+1670 - (N+2205))$$

$$= B_{\bar{N}}(N-534) + B_{\bar{N}}(2516) + B_{\bar{N}}(N-535) = (N-534) + 2516 + (N-535) = 2N+1447$$

$$(N \ge 2516)$$

$$B_{\bar{N}}(2N+1671) = B_{\bar{N}}(2N+1671-B_{\bar{N}}(2N+1670)) + B_{\bar{N}}(2N+1671-B_{\bar{N}}(2N+1669)) + B_{\bar{N}}(2N+1671-B_{\bar{N}}(2N+1668))$$

$$= B_{\bar{N}}(2N+1671-(2N+1447)) + B_{\bar{N}}(2N+1671-(N+2204)) + B_{\bar{N}}(2N+1671-(2N-846))$$

$$= B_{\bar{N}}(224) + B_{\bar{N}}(N-533) + B_{\bar{N}}(2517) = 224 + (N-533) + 2517 = N + 2208$$

$$(N \ge 2517)$$

$$B_{\bar{N}}(2N+1672) = B_{\bar{N}}(2N+1672 - B_{\bar{N}}(2N+1671)) + B_{\bar{N}}(2N+1672 - B_{\bar{N}}(2N+1670)) + B_{\bar{N}}(2N+1672 - B_{\bar{N}}(2N+1669))$$

$$= B_{\bar{N}}(2N+1672 - (N+2208)) + B_{\bar{N}}(2N+1672 - (2N+1447)) + B_{\bar{N}}(2N+1672 - (N+2204))$$

$$= B_{\bar{N}}(N-536) + B_{\bar{N}}(225) + B_{\bar{N}}(N-532) = (N-536) + 225 + (N-532) = 2N-843$$

$$(N \ge 537)$$

$$B_{\bar{N}}(2N+1673) = B_{\bar{N}}(2N+1673-B_{\bar{N}}(2N+1672)) + B_{\bar{N}}(2N+1673-B_{\bar{N}}(2N+1671)) + B_{\bar{N}}(2N+1673-B_{\bar{N}}(2N+1670))$$

$$= B_{\bar{N}}(2N+1673-(2N-843)) + B_{\bar{N}}(2N+1673-(N+2208)) + B_{\bar{N}}(2N+1673-(2N+1447))$$

$$= B_{\bar{N}}(2516) + B_{\bar{N}}(N-535) + B_{\bar{N}}(226) = 2516 + (N-535) + 226 = N + 2207$$

$$(N \ge 2516)$$

$$B_{\bar{N}}(2N+1674) = B_{\bar{N}}(2N+1674-B_{\bar{N}}(2N+1673)) + B_{\bar{N}}(2N+1674-B_{\bar{N}}(2N+1672)) + B_{\bar{N}}(2N+1674-B_{\bar{N}}(2N+1671))$$

$$= B_{\bar{N}}(2N+1674-(N+2207)) + B_{\bar{N}}(2N+1674-(2N-843)) + B_{\bar{N}}(2N+1674-(N+2208))$$

$$= B_{\bar{N}}(N-533) + B_{\bar{N}}(2517) + B_{\bar{N}}(N-534) = (N-533) + 2517 + (N-534) = 2N+1450$$

$$(N \ge 2517)$$

$$B_{\bar{N}}(2N+1675) = B_{\bar{N}}(2N+1675-B_{\bar{N}}(2N+1674)) + B_{\bar{N}}(2N+1675-B_{\bar{N}}(2N+1673)) + B_{\bar{N}}(2N+1675-B_{\bar{N}}(2N+1672))$$

$$= B_{\bar{N}}(2N+1675-(2N+1450)) + B_{\bar{N}}(2N+1675-(N+2207)) + B_{\bar{N}}(2N+1675-(2N-843))$$

$$= B_{\bar{N}}(225) + B_{\bar{N}}(N-532) + B_{\bar{N}}(2518) = 225 + (N-532) + 2518 = N + 2211$$

$$(N \ge 2518)$$

$$B_{\bar{N}}(2N+1676) = B_{\bar{N}}(2N+1676-B_{\bar{N}}(2N+1675)) + B_{\bar{N}}(2N+1676-B_{\bar{N}}(2N+1674)) + B_{\bar{N}}(2N+1676-B_{\bar{N}}(2N+1673))$$

$$= B_{\bar{N}}(2N+1676-(N+2211)) + B_{\bar{N}}(2N+1676-(2N+1450)) + B_{\bar{N}}(2N+1676-(N+2207))$$

$$= B_{\bar{N}}(N-535) + B_{\bar{N}}(226) + B_{\bar{N}}(N-531) = (N-535) + 226 + (N-531) = 2N-840$$

$$(N > 536)$$

$$B_{\bar{N}}(2N+1677) = B_{\bar{N}}(2N+1677 - B_{\bar{N}}(2N+1676)) + B_{\bar{N}}(2N+1677 - B_{\bar{N}}(2N+1675)) + B_{\bar{N}}(2N+1677 - B_{\bar{N}}(2N+1674))$$

$$= B_{\bar{N}}(2N+1677 - (2N-840)) + B_{\bar{N}}(2N+1677 - (N+2211)) + B_{\bar{N}}(2N+1677 - (2N+1450))$$

$$= B_{\bar{N}}(2517) + B_{\bar{N}}(N-534) + B_{\bar{N}}(227) = 2517 + (N-534) + 227 = N + 2210$$

$$(N \ge 2517)$$

$$B_{\bar{N}}(2N+1678) = B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1677)) + B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1676)) + B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2N+1678-B_{\bar{N}}(2$$

$$\begin{split} B_{\bar{N}}(2N+1679) &= B_{\bar{N}}(2N+1679 - B_{\bar{N}}(2N+1678)) + B_{\bar{N}}(2N+1679 - B_{\bar{N}}(2N+1677)) + B_{\bar{N}}(2N+1679 - B_{\bar{N}}(2N+1679)) \\ &= B_{\bar{N}}(2N+1679 - (2N+1453)) + B_{\bar{N}}(2N+1679 - (N+2210)) + B_{\bar{N}}(2N+1679 - (2N-840)) \\ &= B_{\bar{N}}(226) + B_{\bar{N}}(N-531) + B_{\bar{N}}(2519) = 226 + (N-531) + 2519 = N + 2214 \\ &(N \geq 2519) \end{split}$$

$$B_{\bar{N}}(2N+1680) = B_{\bar{N}}(2N+1680 - B_{\bar{N}}(2N+1679)) + B_{\bar{N}}(2N+1680 - B_{\bar{N}}(2N+1678)) + B_{\bar{N}}(2N+1680 - B_{\bar{N}}(2N+1677))$$

$$= B_{\bar{N}}(2N+1680 - (N+2214)) + B_{\bar{N}}(2N+1680 - (2N+1453)) + B_{\bar{N}}(2N+1680 - (N+2210))$$

$$= B_{\bar{N}}(N-534) + B_{\bar{N}}(227) + B_{\bar{N}}(N-530) = (N-534) + 227 + (N-530) = 2N-837$$

$$(N \ge 535)$$

$$B_{\bar{N}}(2N+1681) = B_{\bar{N}}(2N+1681-B_{\bar{N}}(2N+1680)) + B_{\bar{N}}(2N+1681-B_{\bar{N}}(2N+1679)) + B_{\bar{N}}(2N+1681-B_{\bar{N}}(2N+1678))$$

$$= B_{\bar{N}}(2N+1681-(2N-837)) + B_{\bar{N}}(2N+1681-(N+2214)) + B_{\bar{N}}(2N+1681-(2N+1453))$$

$$= B_{\bar{N}}(2518) + B_{\bar{N}}(N-533) + B_{\bar{N}}(228) = 2518 + (N-533) + 228 = N + 2213$$

$$(N > 2518)$$

$$B_{\bar{N}}(2N+1682) = B_{\bar{N}}(2N+1682-B_{\bar{N}}(2N+1681)) + B_{\bar{N}}(2N+1682-B_{\bar{N}}(2N+1680)) + B_{\bar{N}}(2N+1682-B_{\bar{N}}(2N+1679))$$

$$= B_{\bar{N}}(2N+1682-(N+2213)) + B_{\bar{N}}(2N+1682-(2N-837)) + B_{\bar{N}}(2N+1682-(N+2214))$$

$$= B_{\bar{N}}(N-531) + B_{\bar{N}}(2519) + B_{\bar{N}}(N-532) = (N-531) + 2519 + (N-532) = 2N+1456$$

$$(N \ge 2519)$$

$$B_{\bar{N}}(2N+1683) = B_{\bar{N}}(2N+1683-B_{\bar{N}}(2N+1682)) + B_{\bar{N}}(2N+1683-B_{\bar{N}}(2N+1681)) + B_{\bar{N}}(2N+1683-B_{\bar{N}}(2N+1680))$$

$$= B_{\bar{N}}(2N+1683-(2N+1456)) + B_{\bar{N}}(2N+1683-(N+2213)) + B_{\bar{N}}(2N+1683-(2N-837))$$

$$= B_{\bar{N}}(227) + B_{\bar{N}}(N-530) + B_{\bar{N}}(2520) = 227 + (N-530) + 2520 = N + 2217$$

$$(N \ge 2520)$$

$$B_{\bar{N}}(2N+1684) = B_{\bar{N}}(2N+1684-B_{\bar{N}}(2N+1683)) + B_{\bar{N}}(2N+1684-B_{\bar{N}}(2N+1682)) + B_{\bar{N}}(2N+1684-B_{\bar{N}}(2N+1681))$$

$$= B_{\bar{N}}(2N+1684-(N+2217)) + B_{\bar{N}}(2N+1684-(2N+1456)) + B_{\bar{N}}(2N+1684-(N+2213))$$

$$= B_{\bar{N}}(N-533) + B_{\bar{N}}(228) + B_{\bar{N}}(N-529) = (N-533) + 228 + (N-529) = 2N-834$$

$$(N \ge 534)$$

$$B_{\bar{N}}(2N+1685) = B_{\bar{N}}(2N+1685-B_{\bar{N}}(2N+1684)) + B_{\bar{N}}(2N+1685-B_{\bar{N}}(2N+1683)) + B_{\bar{N}}(2N+1685-B_{\bar{N}}(2N+1682))$$

$$= B_{\bar{N}}(2N+1685-(2N-834)) + B_{\bar{N}}(2N+1685-(N+2217)) + B_{\bar{N}}(2N+1685-(2N+1456))$$

$$= B_{\bar{N}}(2519) + B_{\bar{N}}(N-532) + B_{\bar{N}}(229) = 2519 + (N-532) + 229 = N + 2216$$

$$(N \ge 2519)$$

$$B_{\bar{N}}(2N+1686) = B_{\bar{N}}(2N+1686-B_{\bar{N}}(2N+1685)) + B_{\bar{N}}(2N+1686-B_{\bar{N}}(2N+1684)) + B_{\bar{N}}(2N+1686-B_{\bar{N}}(2N+1683))$$

$$= B_{\bar{N}}(2N+1686-(N+2216)) + B_{\bar{N}}(2N+1686-(2N-834)) + B_{\bar{N}}(2N+1686-(N+2217))$$

$$= B_{\bar{N}}(N-530) + B_{\bar{N}}(2520) + B_{\bar{N}}(N-531) = (N-530) + 2520 + (N-531) = 2N+1459$$

$$(N \ge 2520)$$

$$B_{\bar{N}}(2N+1687) = B_{\bar{N}}(2N+1687-B_{\bar{N}}(2N+1686)) + B_{\bar{N}}(2N+1687-B_{\bar{N}}(2N+1685)) + B_{\bar{N}}(2N+1687-B_{\bar{N}}(2N+1684))$$

$$= B_{\bar{N}}(2N+1687-(2N+1459)) + B_{\bar{N}}(2N+1687-(N+2216)) + B_{\bar{N}}(2N+1687-(2N-834))$$

$$= B_{\bar{N}}(228) + B_{\bar{N}}(N-529) + B_{\bar{N}}(2521) = 228 + (N-529) + 2521 = N + 2220$$

$$(N \ge 2521)$$

$$B_{\bar{N}}(2N+1688) = B_{\bar{N}}(2N+1688-B_{\bar{N}}(2N+1687)) + B_{\bar{N}}(2N+1688-B_{\bar{N}}(2N+1686)) + B_{\bar{N}}(2N+1688-B_{\bar{N}}(2N+1685))$$

$$= B_{\bar{N}}(2N+1688-(N+2220)) + B_{\bar{N}}(2N+1688-(2N+1459)) + B_{\bar{N}}(2N+1688-(N+2216))$$

$$= B_{\bar{N}}(N-532) + B_{\bar{N}}(229) + B_{\bar{N}}(N-528) = (N-532) + 229 + (N-528) = 2N-831$$

$$(N \ge 533)$$

$$B_{\bar{N}}(2N+1689) = B_{\bar{N}}(2N+1689 - B_{\bar{N}}(2N+1688)) + B_{\bar{N}}(2N+1689 - B_{\bar{N}}(2N+1687)) + B_{\bar{N}}(2N+1689 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1690) = B_{\bar{N}}(2N+1690-B_{\bar{N}}(2N+1689)) + B_{\bar{N}}(2N+1690-B_{\bar{N}}(2N+1688)) + B_{\bar{N}}(2N+1690-B_{\bar{N}}(2N+1687))$$

$$= B_{\bar{N}}(2N+1690-(N+2219)) + B_{\bar{N}}(2N+1690-(2N-831)) + B_{\bar{N}}(2N+1690-(N+2220))$$

$$= B_{\bar{N}}(N-529) + B_{\bar{N}}(2521) + B_{\bar{N}}(N-530) = (N-529) + 2521 + (N-530) = 2N+1462$$

$$(N \ge 2521)$$

$$B_{\bar{N}}(2N+1691) = B_{\bar{N}}(2N+1691-B_{\bar{N}}(2N+1690)) + B_{\bar{N}}(2N+1691-B_{\bar{N}}(2N+1689)) + B_{\bar{N}}(2N+1691-B_{\bar{N}}(2N+1688))$$

$$= B_{\bar{N}}(2N+1691-(2N+1462)) + B_{\bar{N}}(2N+1691-(N+2219)) + B_{\bar{N}}(2N+1691-(2N-831))$$

$$= B_{\bar{N}}(229) + B_{\bar{N}}(N-528) + B_{\bar{N}}(2522) = 229 + (N-528) + 2522 = N + 2223$$

$$(N \ge 2522)$$

$$B_{\bar{N}}(2N+1692) = B_{\bar{N}}(2N+1692 - B_{\bar{N}}(2N+1691)) + B_{\bar{N}}(2N+1692 - B_{\bar{N}}(2N+1690)) + B_{\bar{N}}(2N+1692 - B_{\bar{N}}(2N+1692))$$

$$= B_{\bar{N}}(2N+1692 - (N+2223)) + B_{\bar{N}}(2N+1692 - (2N+1462)) + B_{\bar{N}}(2N+1692 - (N+2219))$$

$$= B_{\bar{N}}(N-531) + B_{\bar{N}}(230) + B_{\bar{N}}(N-527) = (N-531) + 230 + (N-527) = 2N-828$$

$$(N \ge 532)$$

$$B_{\bar{N}}(2N+1693) = B_{\bar{N}}(2N+1693 - B_{\bar{N}}(2N+1692)) + B_{\bar{N}}(2N+1693 - B_{\bar{N}}(2N+1691)) + B_{\bar{N}}(2N+1693 - B_{\bar{N}}(2N+1690))$$

$$= B_{\bar{N}}(2N+1693 - (2N-828)) + B_{\bar{N}}(2N+1693 - (N+2223)) + B_{\bar{N}}(2N+1693 - (2N+1462))$$

$$= B_{\bar{N}}(2521) + B_{\bar{N}}(N-530) + B_{\bar{N}}(231) = 2521 + (N-530) + 231 = N + 2222$$

$$(N \ge 2521)$$

$$B_{\bar{N}}(2N+1694) = B_{\bar{N}}(2N+1694-B_{\bar{N}}(2N+1693)) + B_{\bar{N}}(2N+1694-B_{\bar{N}}(2N+1692)) + B_{\bar{N}}(2N+1694-B_{\bar{N}}(2N+1691))$$

$$= B_{\bar{N}}(2N+1694-(N+2222)) + B_{\bar{N}}(2N+1694-(2N-828)) + B_{\bar{N}}(2N+1694-(N+2223))$$

$$= B_{\bar{N}}(N-528) + B_{\bar{N}}(2522) + B_{\bar{N}}(N-529) = (N-528) + 2522 + (N-529) = 2N+1465$$

$$(N \ge 2522)$$

$$B_{\bar{N}}(2N+1695) = B_{\bar{N}}(2N+1695-B_{\bar{N}}(2N+1694)) + B_{\bar{N}}(2N+1695-B_{\bar{N}}(2N+1693)) + B_{\bar{N}}(2N+1695-B_{\bar{N}}(2N+1692))$$

$$= B_{\bar{N}}(2N+1695-(2N+1465)) + B_{\bar{N}}(2N+1695-(N+2222)) + B_{\bar{N}}(2N+1695-(2N-828))$$

$$= B_{\bar{N}}(230) + B_{\bar{N}}(N-527) + B_{\bar{N}}(2523) = 230 + (N-527) + 2523 = N + 2226$$

$$(N \ge 2523)$$

$$B_{\bar{N}}(2N+1696) = B_{\bar{N}}(2N+1696-B_{\bar{N}}(2N+1695)) + B_{\bar{N}}(2N+1696-B_{\bar{N}}(2N+1694)) + B_{\bar{N}}(2N+1696-B_{\bar{N}}(2N+1693))$$

$$= B_{\bar{N}}(2N+1696-(N+2226)) + B_{\bar{N}}(2N+1696-(2N+1465)) + B_{\bar{N}}(2N+1696-(N+2222))$$

$$= B_{\bar{N}}(N-530) + B_{\bar{N}}(231) + B_{\bar{N}}(N-526) = (N-530) + 231 + (N-526) = 2N-825$$

$$(N \ge 531)$$

$$B_{\bar{N}}(2N+1697) = B_{\bar{N}}(2N+1697 - B_{\bar{N}}(2N+1696)) + B_{\bar{N}}(2N+1697 - B_{\bar{N}}(2N+1695)) + B_{\bar{N}}(2N+1697 - B_{\bar{N}}(2N+1694))$$

$$= B_{\bar{N}}(2N+1697 - (2N-825)) + B_{\bar{N}}(2N+1697 - (N+2226)) + B_{\bar{N}}(2N+1697 - (2N+1465))$$

$$= B_{\bar{N}}(2522) + B_{\bar{N}}(N-529) + B_{\bar{N}}(232) = 2522 + (N-529) + 232 = N + 2225$$

$$(N \ge 2522)$$

$$B_{\bar{N}}(2N+1698) = B_{\bar{N}}(2N+1698-B_{\bar{N}}(2N+1697)) + B_{\bar{N}}(2N+1698-B_{\bar{N}}(2N+1696)) + B_{\bar{N}}(2N+1698-B_{\bar{N}}(2N+1695))$$

$$= B_{\bar{N}}(2N+1698-(N+2225)) + B_{\bar{N}}(2N+1698-(2N-825)) + B_{\bar{N}}(2N+1698-(N+2226))$$

$$= B_{\bar{N}}(N-527) + B_{\bar{N}}(2523) + B_{\bar{N}}(N-528) = (N-527) + 2523 + (N-528) = 2N+1468$$

$$(N \ge 2523)$$

$$B_{\bar{N}}(2N+1699) = B_{\bar{N}}(2N+1699 - B_{\bar{N}}(2N+1698)) + B_{\bar{N}}(2N+1699 - B_{\bar{N}}(2N+1697)) + B_{\bar{N}}(2N+1699 - B_{\bar{N}}(2N+1696))$$

$$= B_{\bar{N}}(2N+1699 - (2N+1468)) + B_{\bar{N}}(2N+1699 - (N+2225)) + B_{\bar{N}}(2N+1699 - (2N-825))$$

$$= B_{\bar{N}}(231) + B_{\bar{N}}(N-526) + B_{\bar{N}}(2524) = 231 + (N-526) + 2524 = N + 2229$$

$$(N \ge 2524)$$

$$B_{\bar{N}}(2N+1700) = B_{\bar{N}}(2N+1700 - B_{\bar{N}}(2N+1699)) + B_{\bar{N}}(2N+1700 - B_{\bar{N}}(2N+1698)) + B_{\bar{N}}(2N+1700 - B_{\bar{N}}(2N+1697))$$

$$= B_{\bar{N}}(2N+1700 - (N+2229)) + B_{\bar{N}}(2N+1700 - (2N+1468)) + B_{\bar{N}}(2N+1700 - (N+2225))$$

$$= B_{\bar{N}}(N-529) + B_{\bar{N}}(232) + B_{\bar{N}}(N-525) = (N-529) + 232 + (N-525) = 2N-822$$

$$(N \ge 530)$$

$$\begin{split} B_{\bar{N}}(2N+1701) &= B_{\bar{N}}(2N+1701-B_{\bar{N}}(2N+1700)) + B_{\bar{N}}(2N+1701-B_{\bar{N}}(2N+1699)) + B_{\bar{N}}(2N+1701-B_{\bar{N}}(2N+1698)) \\ &= B_{\bar{N}}(2N+1701-(2N-822)) + B_{\bar{N}}(2N+1701-(N+2229)) + B_{\bar{N}}(2N+1701-(2N+1468)) \\ &= B_{\bar{N}}(2523) + B_{\bar{N}}(N-528) + B_{\bar{N}}(233) = 2523 + (N-528) + 233 = N + 2228 \\ &(N \geq 2523) \end{split}$$

$$B_{\bar{N}}(2N+1702) = B_{\bar{N}}(2N+1702-B_{\bar{N}}(2N+1701)) + B_{\bar{N}}(2N+1702-B_{\bar{N}}(2N+1700)) + B_{\bar{N}}(2N+1702-B_{\bar{N}}(2N+1699))$$

$$= B_{\bar{N}}(2N+1702-(N+2228)) + B_{\bar{N}}(2N+1702-(2N-822)) + B_{\bar{N}}(2N+1702-(N+2229))$$

$$= B_{\bar{N}}(N-526) + B_{\bar{N}}(2524) + B_{\bar{N}}(N-527) = (N-526) + 2524 + (N-527) = 2N+1471$$

$$(N \ge 2524)$$

$$B_{\bar{N}}(2N+1703) = B_{\bar{N}}(2N+1703-B_{\bar{N}}(2N+1702)) + B_{\bar{N}}(2N+1703-B_{\bar{N}}(2N+1701)) + B_{\bar{N}}(2N+1703-B_{\bar{N}}(2N+1700)) = B_{\bar{N}}(2N+1703-(2N+1471)) + B_{\bar{N}}(2N+1703-(N+2228)) + B_{\bar{N}}(2N+1703-(2N-822)) = B_{\bar{N}}(232) + B_{\bar{N}}(N-525) + B_{\bar{N}}(2525) = 232 + (N-525) + 2525 = N + 2232 (N \ge 2525)$$

$$B_{\bar{N}}(2N+1704) = B_{\bar{N}}(2N+1704-B_{\bar{N}}(2N+1703)) + B_{\bar{N}}(2N+1704-B_{\bar{N}}(2N+1702)) + B_{\bar{N}}(2N+1704-B_{\bar{N}}(2N+1701))$$

$$= B_{\bar{N}}(2N+1704-(N+2232)) + B_{\bar{N}}(2N+1704-(2N+1471)) + B_{\bar{N}}(2N+1704-(N+2228))$$

$$= B_{\bar{N}}(N-528) + B_{\bar{N}}(233) + B_{\bar{N}}(N-524) = (N-528) + 233 + (N-524) = 2N-819$$

$$(N \ge 529)$$

$$B_{\bar{N}}(2N+1705) = B_{\bar{N}}(2N+1705-B_{\bar{N}}(2N+1704)) + B_{\bar{N}}(2N+1705-B_{\bar{N}}(2N+1703)) + B_{\bar{N}}(2N+1705-B_{\bar{N}}(2N+1702))$$

$$= B_{\bar{N}}(2N+1705-(2N-819)) + B_{\bar{N}}(2N+1705-(N+2232)) + B_{\bar{N}}(2N+1705-(2N+1471))$$

$$= B_{\bar{N}}(2524) + B_{\bar{N}}(N-527) + B_{\bar{N}}(234) = 2524 + (N-527) + 234 = N + 2231$$

$$(N \ge 2524)$$

$$B_{\bar{N}}(2N+1706) = B_{\bar{N}}(2N+1706-B_{\bar{N}}(2N+1705)) + B_{\bar{N}}(2N+1706-B_{\bar{N}}(2N+1704)) + B_{\bar{N}}(2N+1706-B_{\bar{N}}(2N+1703)) = B_{\bar{N}}(2N+1706-(N+2231)) + B_{\bar{N}}(2N+1706-(2N-819)) + B_{\bar{N}}(2N+1706-(N+2232)) = B_{\bar{N}}(N-525) + B_{\bar{N}}(2525) + B_{\bar{N}}(N-526) = (N-525) + 2525 + (N-526) = 2N+1474 (N > 2525)$$

$$B_{\bar{N}}(2N+1707) = B_{\bar{N}}(2N+1707-B_{\bar{N}}(2N+1706)) + B_{\bar{N}}(2N+1707-B_{\bar{N}}(2N+1705)) + B_{\bar{N}}(2N+1707-B_{\bar{N}}(2N+1704))$$

$$= B_{\bar{N}}(2N+1707-(2N+1474)) + B_{\bar{N}}(2N+1707-(N+2231)) + B_{\bar{N}}(2N+1707-(2N-819))$$

$$= B_{\bar{N}}(233) + B_{\bar{N}}(N-524) + B_{\bar{N}}(2526) = 233 + (N-524) + 2526 = N + 2235$$

$$(N \ge 2526)$$

$$B_{\bar{N}}(2N+1708) = B_{\bar{N}}(2N+1708-B_{\bar{N}}(2N+1707)) + B_{\bar{N}}(2N+1708-B_{\bar{N}}(2N+1706)) + B_{\bar{N}}(2N+1708-B_{\bar{N}}(2N+1705)) = B_{\bar{N}}(2N+1708-(N+2235)) + B_{\bar{N}}(2N+1708-(2N+1474)) + B_{\bar{N}}(2N+1708-(N+2231)) = B_{\bar{N}}(N-527) + B_{\bar{N}}(234) + B_{\bar{N}}(N-523) = (N-527) + 234 + (N-523) = 2N-816 (N \geq 528)$$

$$B_{\bar{N}}(2N+1709) = B_{\bar{N}}(2N+1709 - B_{\bar{N}}(2N+1708)) + B_{\bar{N}}(2N+1709 - B_{\bar{N}}(2N+1707)) + B_{\bar{N}}(2N+1709 - B_{\bar{N}}(2N+1706))$$

$$= B_{\bar{N}}(2N+1709 - (2N-816)) + B_{\bar{N}}(2N+1709 - (N+2235)) + B_{\bar{N}}(2N+1709 - (2N+1474))$$

$$= B_{\bar{N}}(2525) + B_{\bar{N}}(N-526) + B_{\bar{N}}(235) = 2525 + (N-526) + 235 = N + 2234$$

$$(N \ge 2525)$$

$$B_{\bar{N}}(2N+1710) = B_{\bar{N}}(2N+1710 - B_{\bar{N}}(2N+1709)) + B_{\bar{N}}(2N+1710 - B_{\bar{N}}(2N+1708)) + B_{\bar{N}}(2N+1710 - B_{\bar{N}}(2N+1707))$$

$$= B_{\bar{N}}(2N+1710 - (N+2234)) + B_{\bar{N}}(2N+1710 - (2N-816)) + B_{\bar{N}}(2N+1710 - (N+2235))$$

$$= B_{\bar{N}}(N-524) + B_{\bar{N}}(2526) + B_{\bar{N}}(N-525) = (N-524) + 2526 + (N-525) = 2N+1477$$

$$(N \ge 2526)$$

$$B_{\bar{N}}(2N+1711) = B_{\bar{N}}(2N+1711-B_{\bar{N}}(2N+1710)) + B_{\bar{N}}(2N+1711-B_{\bar{N}}(2N+1709)) + B_{\bar{N}}(2N+1711-B_{\bar{N}}(2N+1708))$$

$$= B_{\bar{N}}(2N+1711-(2N+1477)) + B_{\bar{N}}(2N+1711-(N+2234)) + B_{\bar{N}}(2N+1711-(2N-816))$$

$$= B_{\bar{N}}(234) + B_{\bar{N}}(N-523) + B_{\bar{N}}(2527) = 234 + (N-523) + 2527 = N + 2238$$

$$(N > 2527)$$

$$\begin{split} B_{\bar{N}}(2N+1712) &= B_{\bar{N}}(2N+1712-B_{\bar{N}}(2N+1711)) + B_{\bar{N}}(2N+1712-B_{\bar{N}}(2N+1710)) + B_{\bar{N}}(2N+1712-B_{\bar{N}}(2N+1709)) \\ &= B_{\bar{N}}(2N+1712-(N+2238)) + B_{\bar{N}}(2N+1712-(2N+1477)) + B_{\bar{N}}(2N+1712-(N+2234)) \\ &= B_{\bar{N}}(N-526) + B_{\bar{N}}(235) + B_{\bar{N}}(N-522) = (N-526) + 235 + (N-522) = 2N-813 \\ &(N \geq 527) \end{split}$$

$$B_{\bar{N}}(2N+1713) = B_{\bar{N}}(2N+1713-B_{\bar{N}}(2N+1712)) + B_{\bar{N}}(2N+1713-B_{\bar{N}}(2N+1711)) + B_{\bar{N}}(2N+1713-B_{\bar{N}}(2N+1710))$$

$$= B_{\bar{N}}(2N+1713-(2N-813)) + B_{\bar{N}}(2N+1713-(N+2238)) + B_{\bar{N}}(2N+1713-(2N+1477))$$

$$= B_{\bar{N}}(2526) + B_{\bar{N}}(N-525) + B_{\bar{N}}(236) = 2526 + (N-525) + 236 = N + 2237$$

$$(N \ge 2526)$$

$$B_{\bar{N}}(2N+1714) = B_{\bar{N}}(2N+1714-B_{\bar{N}}(2N+1713)) + B_{\bar{N}}(2N+1714-B_{\bar{N}}(2N+1712)) + B_{\bar{N}}(2N+1714-B_{\bar{N}}(2N+1711))$$

$$= B_{\bar{N}}(2N+1714-(N+2237)) + B_{\bar{N}}(2N+1714-(2N-813)) + B_{\bar{N}}(2N+1714-(N+2238))$$

$$= B_{\bar{N}}(N-523) + B_{\bar{N}}(2527) + B_{\bar{N}}(N-524) = (N-523) + 2527 + (N-524) = 2N+1480$$

$$(N \ge 2527)$$

$$B_{\bar{N}}(2N+1715) = B_{\bar{N}}(2N+1715-B_{\bar{N}}(2N+1714)) + B_{\bar{N}}(2N+1715-B_{\bar{N}}(2N+1713)) + B_{\bar{N}}(2N+1715-B_{\bar{N}}(2N+1712))$$

$$= B_{\bar{N}}(2N+1715-(2N+1480)) + B_{\bar{N}}(2N+1715-(N+2237)) + B_{\bar{N}}(2N+1715-(2N-813))$$

$$= B_{\bar{N}}(235) + B_{\bar{N}}(N-522) + B_{\bar{N}}(2528) = 235 + (N-522) + 2528 = N + 2241$$

$$(N \ge 2528)$$

$$B_{\bar{N}}(2N+1716) = B_{\bar{N}}(2N+1716-B_{\bar{N}}(2N+1715)) + B_{\bar{N}}(2N+1716-B_{\bar{N}}(2N+1714)) + B_{\bar{N}}(2N+1716-B_{\bar{N}}(2N+1713)) = B_{\bar{N}}(2N+1716-(N+2241)) + B_{\bar{N}}(2N+1716-(2N+1480)) + B_{\bar{N}}(2N+1716-(N+2237)) = B_{\bar{N}}(N-525) + B_{\bar{N}}(236) + B_{\bar{N}}(N-521) = (N-525) + 236 + (N-521) = 2N-810 (N > 526)$$

$$B_{\bar{N}}(2N+1717) = B_{\bar{N}}(2N+1717-B_{\bar{N}}(2N+1716)) + B_{\bar{N}}(2N+1717-B_{\bar{N}}(2N+1715)) + B_{\bar{N}}(2N+1717-B_{\bar{N}}(2N+1714))$$

$$= B_{\bar{N}}(2N+1717-(2N-810)) + B_{\bar{N}}(2N+1717-(N+2241)) + B_{\bar{N}}(2N+1717-(2N+1480))$$

$$= B_{\bar{N}}(2527) + B_{\bar{N}}(N-524) + B_{\bar{N}}(237) = 2527 + (N-524) + 237 = N + 2240$$

$$(N \ge 2527)$$

$$B_{\bar{N}}(2N+1718) = B_{\bar{N}}(2N+1718-B_{\bar{N}}(2N+1717)) + B_{\bar{N}}(2N+1718-B_{\bar{N}}(2N+1716)) + B_{\bar{N}}(2N+1718-B_{\bar{N}}(2N+1715))$$

$$= B_{\bar{N}}(2N+1718-(N+2240)) + B_{\bar{N}}(2N+1718-(2N-810)) + B_{\bar{N}}(2N+1718-(N+2241))$$

$$= B_{\bar{N}}(N-522) + B_{\bar{N}}(2528) + B_{\bar{N}}(N-523) = (N-522) + 2528 + (N-523) = 2N+1483$$

$$(N \ge 2528)$$

$$B_{\bar{N}}(2N+1719) = B_{\bar{N}}(2N+1719 - B_{\bar{N}}(2N+1718)) + B_{\bar{N}}(2N+1719 - B_{\bar{N}}(2N+1717)) + B_{\bar{N}}(2N+1719 - B_{\bar{N}}(2N+1716))$$

$$= B_{\bar{N}}(2N+1719 - (2N+1483)) + B_{\bar{N}}(2N+1719 - (N+2240)) + B_{\bar{N}}(2N+1719 - (2N-810))$$

$$= B_{\bar{N}}(236) + B_{\bar{N}}(N-521) + B_{\bar{N}}(2529) = 236 + (N-521) + 2529 = N + 2244$$

$$(N \ge 2529)$$

$$B_{\bar{N}}(2N+1720) = B_{\bar{N}}(2N+1720-B_{\bar{N}}(2N+1719)) + B_{\bar{N}}(2N+1720-B_{\bar{N}}(2N+1718)) + B_{\bar{N}}(2N+1720-B_{\bar{N}}(2N+1717))$$

$$= B_{\bar{N}}(2N+1720-(N+2244)) + B_{\bar{N}}(2N+1720-(2N+1483)) + B_{\bar{N}}(2N+1720-(N+2240))$$

$$= B_{\bar{N}}(N-524) + B_{\bar{N}}(237) + B_{\bar{N}}(N-520) = (N-524) + 237 + (N-520) = 2N-807$$

$$(N \ge 525)$$

$$B_{\bar{N}}(2N+1721) = B_{\bar{N}}(2N+1721 - B_{\bar{N}}(2N+1720)) + B_{\bar{N}}(2N+1721 - B_{\bar{N}}(2N+1719)) + B_{\bar{N}}(2N+1721 - B_{\bar{N}}(2N+1718))$$

$$= B_{\bar{N}}(2N+1721 - (2N-807)) + B_{\bar{N}}(2N+1721 - (N+2244)) + B_{\bar{N}}(2N+1721 - (2N+1483))$$

$$= B_{\bar{N}}(2528) + B_{\bar{N}}(N-523) + B_{\bar{N}}(238) = 2528 + (N-523) + 238 = N + 2243$$

$$(N \ge 2528)$$

$$B_{\bar{N}}(2N+1722) = B_{\bar{N}}(2N+1722-B_{\bar{N}}(2N+1721)) + B_{\bar{N}}(2N+1722-B_{\bar{N}}(2N+1720)) + B_{\bar{N}}(2N+1722-B_{\bar{N}}(2N+1719))$$

$$= B_{\bar{N}}(2N+1722-(N+2243)) + B_{\bar{N}}(2N+1722-(2N-807)) + B_{\bar{N}}(2N+1722-(N+2244))$$

$$= B_{\bar{N}}(N-521) + B_{\bar{N}}(2529) + B_{\bar{N}}(N-522) = (N-521) + 2529 + (N-522) = 2N+1486$$

$$(N \ge 2529)$$

$$B_{\bar{N}}(2N+1723) = B_{\bar{N}}(2N+1723-B_{\bar{N}}(2N+1722)) + B_{\bar{N}}(2N+1723-B_{\bar{N}}(2N+1721)) + B_{\bar{N}}(2N+1723-B_{\bar{N}}(2N+1720))$$

$$= B_{\bar{N}}(2N+1723-(2N+1486)) + B_{\bar{N}}(2N+1723-(N+2243)) + B_{\bar{N}}(2N+1723-(2N-807))$$

$$= B_{\bar{N}}(237) + B_{\bar{N}}(N-520) + B_{\bar{N}}(2530) = 237 + (N-520) + 2530 = N + 2247$$

$$(N \ge 2530)$$

$$B_{\bar{N}}(2N+1724) = B_{\bar{N}}(2N+1724-B_{\bar{N}}(2N+1723)) + B_{\bar{N}}(2N+1724-B_{\bar{N}}(2N+1722)) + B_{\bar{N}}(2N+1724-B_{\bar{N}}(2N+1721))$$

$$= B_{\bar{N}}(2N+1724-(N+2247)) + B_{\bar{N}}(2N+1724-(2N+1486)) + B_{\bar{N}}(2N+1724-(N+2243))$$

$$= B_{\bar{N}}(N-523) + B_{\bar{N}}(238) + B_{\bar{N}}(N-519) = (N-523) + 238 + (N-519) = 2N-804$$

$$(N \ge 524)$$

$$B_{\bar{N}}(2N+1725) = B_{\bar{N}}(2N+1725-B_{\bar{N}}(2N+1724)) + B_{\bar{N}}(2N+1725-B_{\bar{N}}(2N+1723)) + B_{\bar{N}}(2N+1725-B_{\bar{N}}(2N+1722))$$

$$= B_{\bar{N}}(2N+1725-(2N-804)) + B_{\bar{N}}(2N+1725-(N+2247)) + B_{\bar{N}}(2N+1725-(2N+1486))$$

$$= B_{\bar{N}}(2529) + B_{\bar{N}}(N-522) + B_{\bar{N}}(239) = 2529 + (N-522) + 239 = N + 2246$$

$$(N \ge 2529)$$

$$B_{\bar{N}}(2N+1726) = B_{\bar{N}}(2N+1726-B_{\bar{N}}(2N+1725)) + B_{\bar{N}}(2N+1726-B_{\bar{N}}(2N+1724)) + B_{\bar{N}}(2N+1726-B_{\bar{N}}(2N+1723))$$

$$= B_{\bar{N}}(2N+1726-(N+2246)) + B_{\bar{N}}(2N+1726-(2N-804)) + B_{\bar{N}}(2N+1726-(N+2247))$$

$$= B_{\bar{N}}(N-520) + B_{\bar{N}}(2530) + B_{\bar{N}}(N-521) = (N-520) + 2530 + (N-521) = 2N+1489$$

$$(N \ge 2530)$$

$$B_{\bar{N}}(2N+1727) = B_{\bar{N}}(2N+1727-B_{\bar{N}}(2N+1726)) + B_{\bar{N}}(2N+1727-B_{\bar{N}}(2N+1725)) + B_{\bar{N}}(2N+1727-B_{\bar{N}}(2N+1724))$$

$$= B_{\bar{N}}(2N+1727-(2N+1489)) + B_{\bar{N}}(2N+1727-(N+2246)) + B_{\bar{N}}(2N+1727-(2N-804))$$

$$= B_{\bar{N}}(238) + B_{\bar{N}}(N-519) + B_{\bar{N}}(2531) = 238 + (N-519) + 2531 = N + 2250$$

$$(N \ge 2531)$$

$$B_{\bar{N}}(2N+1728) = B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1727)) + B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1726)) + B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2N+1728-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1729) = B_{\bar{N}}(2N+1729 - B_{\bar{N}}(2N+1728)) + B_{\bar{N}}(2N+1729 - B_{\bar{N}}(2N+1727)) + B_{\bar{N}}(2N+1729 - B_{\bar{N}}(2N+1729))$$

$$= B_{\bar{N}}(2N+1729 - (2N-801)) + B_{\bar{N}}(2N+1729 - (N+2250)) + B_{\bar{N}}(2N+1729 - (2N+1489))$$

$$= B_{\bar{N}}(2530) + B_{\bar{N}}(N-521) + B_{\bar{N}}(240) = 2530 + (N-521) + 240 = N + 2249$$

$$(N \ge 2530)$$

$$\begin{split} B_{\bar{N}}(2N+1730) &= B_{\bar{N}}(2N+1730-B_{\bar{N}}(2N+1729)) + B_{\bar{N}}(2N+1730-B_{\bar{N}}(2N+1728)) + B_{\bar{N}}(2N+1730-B_{\bar{N}}(2N+1727)) \\ &= B_{\bar{N}}(2N+1730-(N+2249)) + B_{\bar{N}}(2N+1730-(2N-801)) + B_{\bar{N}}(2N+1730-(N+2250)) \\ &= B_{\bar{N}}(N-519) + B_{\bar{N}}(2531) + B_{\bar{N}}(N-520) = (N-519) + 2531 + (N-520) = 2N+1492 \\ &(N \geq 2531) \end{split}$$

$$B_{\bar{N}}(2N+1731) = B_{\bar{N}}(2N+1731-B_{\bar{N}}(2N+1730)) + B_{\bar{N}}(2N+1731-B_{\bar{N}}(2N+1729)) + B_{\bar{N}}(2N+1731-B_{\bar{N}}(2N+1728))$$

$$= B_{\bar{N}}(2N+1731-(2N+1492)) + B_{\bar{N}}(2N+1731-(N+2249)) + B_{\bar{N}}(2N+1731-(2N-801))$$

$$= B_{\bar{N}}(239) + B_{\bar{N}}(N-518) + B_{\bar{N}}(2532) = 239 + (N-518) + 2532 = N + 2253$$

$$(N > 2532)$$

$$B_{\bar{N}}(2N+1732) = B_{\bar{N}}(2N+1732-B_{\bar{N}}(2N+1731)) + B_{\bar{N}}(2N+1732-B_{\bar{N}}(2N+1730)) + B_{\bar{N}}(2N+1732-B_{\bar{N}}(2N+1729))$$

$$= B_{\bar{N}}(2N+1732-(N+2253)) + B_{\bar{N}}(2N+1732-(2N+1492)) + B_{\bar{N}}(2N+1732-(N+2249))$$

$$= B_{\bar{N}}(N-521) + B_{\bar{N}}(240) + B_{\bar{N}}(N-517) = (N-521) + 240 + (N-517) = 2N-798$$

$$(N \ge 522)$$

$$B_{\bar{N}}(2N+1733) = B_{\bar{N}}(2N+1733-B_{\bar{N}}(2N+1732)) + B_{\bar{N}}(2N+1733-B_{\bar{N}}(2N+1731)) + B_{\bar{N}}(2N+1733-B_{\bar{N}}(2N+1730))$$

$$= B_{\bar{N}}(2N+1733-(2N-798)) + B_{\bar{N}}(2N+1733-(N+2253)) + B_{\bar{N}}(2N+1733-(2N+1492))$$

$$= B_{\bar{N}}(2531) + B_{\bar{N}}(N-520) + B_{\bar{N}}(241) = 2531 + (N-520) + 241 = N + 2252$$

$$(N \ge 2531)$$

$$B_{\bar{N}}(2N+1734) = B_{\bar{N}}(2N+1734-B_{\bar{N}}(2N+1733)) + B_{\bar{N}}(2N+1734-B_{\bar{N}}(2N+1732)) + B_{\bar{N}}(2N+1734-B_{\bar{N}}(2N+1731))$$

$$= B_{\bar{N}}(2N+1734-(N+2252)) + B_{\bar{N}}(2N+1734-(2N-798)) + B_{\bar{N}}(2N+1734-(N+2253))$$

$$= B_{\bar{N}}(N-518) + B_{\bar{N}}(2532) + B_{\bar{N}}(N-519) = (N-518) + 2532 + (N-519) = 2N+1495$$

$$(N \ge 2532)$$

$$B_{\bar{N}}(2N+1735) = B_{\bar{N}}(2N+1735-B_{\bar{N}}(2N+1734)) + B_{\bar{N}}(2N+1735-B_{\bar{N}}(2N+1733)) + B_{\bar{N}}(2N+1735-B_{\bar{N}}(2N+1732))$$

$$= B_{\bar{N}}(2N+1735-(2N+1495)) + B_{\bar{N}}(2N+1735-(N+2252)) + B_{\bar{N}}(2N+1735-(2N-798))$$

$$= B_{\bar{N}}(240) + B_{\bar{N}}(N-517) + B_{\bar{N}}(2533) = 240 + (N-517) + 2533 = N + 2256$$

$$(N \ge 2533)$$

$$B_{\bar{N}}(2N+1736) = B_{\bar{N}}(2N+1736-B_{\bar{N}}(2N+1735)) + B_{\bar{N}}(2N+1736-B_{\bar{N}}(2N+1734)) + B_{\bar{N}}(2N+1736-B_{\bar{N}}(2N+1733))$$

$$= B_{\bar{N}}(2N+1736-(N+2256)) + B_{\bar{N}}(2N+1736-(2N+1495)) + B_{\bar{N}}(2N+1736-(N+2252))$$

$$= B_{\bar{N}}(N-520) + B_{\bar{N}}(241) + B_{\bar{N}}(N-516) = (N-520) + 241 + (N-516) = 2N-795$$

$$(N \ge 521)$$

$$B_{\bar{N}}(2N+1737) = B_{\bar{N}}(2N+1737-B_{\bar{N}}(2N+1736)) + B_{\bar{N}}(2N+1737-B_{\bar{N}}(2N+1735)) + B_{\bar{N}}(2N+1737-B_{\bar{N}}(2N+1734))$$

$$= B_{\bar{N}}(2N+1737-(2N-795)) + B_{\bar{N}}(2N+1737-(N+2256)) + B_{\bar{N}}(2N+1737-(2N+1495))$$

$$= B_{\bar{N}}(2532) + B_{\bar{N}}(N-519) + B_{\bar{N}}(242) = 2532 + (N-519) + 242 = N + 2255$$

$$(N \ge 2532)$$

$$B_{\bar{N}}(2N+1738) = B_{\bar{N}}(2N+1738-B_{\bar{N}}(2N+1737)) + B_{\bar{N}}(2N+1738-B_{\bar{N}}(2N+1736)) + B_{\bar{N}}(2N+1738-B_{\bar{N}}(2N+1735)) = B_{\bar{N}}(2N+1738-(N+2255)) + B_{\bar{N}}(2N+1738-(2N-795)) + B_{\bar{N}}(2N+1738-(N+2256)) = B_{\bar{N}}(N-517) + B_{\bar{N}}(2533) + B_{\bar{N}}(N-518) = (N-517) + 2533 + (N-518) = 2N+1498 (N \geq 2533)$$

$$B_{\bar{N}}(2N+1739) = B_{\bar{N}}(2N+1739 - B_{\bar{N}}(2N+1738)) + B_{\bar{N}}(2N+1739 - B_{\bar{N}}(2N+1737)) + B_{\bar{N}}(2N+1739 - B_{\bar{N}}(2N+1736))$$

$$= B_{\bar{N}}(2N+1739 - (2N+1498)) + B_{\bar{N}}(2N+1739 - (N+2255)) + B_{\bar{N}}(2N+1739 - (2N-795))$$

$$= B_{\bar{N}}(241) + B_{\bar{N}}(N-516) + B_{\bar{N}}(2534) = 241 + (N-516) + 2534 = N + 2259$$

$$(N \ge 2534)$$

$$B_{\bar{N}}(2N+1740) = B_{\bar{N}}(2N+1740-B_{\bar{N}}(2N+1739)) + B_{\bar{N}}(2N+1740-B_{\bar{N}}(2N+1738)) + B_{\bar{N}}(2N+1740-B_{\bar{N}}(2N+1737))$$

$$= B_{\bar{N}}(2N+1740-(N+2259)) + B_{\bar{N}}(2N+1740-(2N+1498)) + B_{\bar{N}}(2N+1740-(N+2255))$$

$$= B_{\bar{N}}(N-519) + B_{\bar{N}}(242) + B_{\bar{N}}(N-515) = (N-519) + 242 + (N-515) = 2N-792$$

$$(N \ge 520)$$

$$B_{\bar{N}}(2N+1741) = B_{\bar{N}}(2N+1741-B_{\bar{N}}(2N+1740)) + B_{\bar{N}}(2N+1741-B_{\bar{N}}(2N+1739)) + B_{\bar{N}}(2N+1741-B_{\bar{N}}(2N+1738))$$

$$= B_{\bar{N}}(2N+1741-(2N-792)) + B_{\bar{N}}(2N+1741-(N+2259)) + B_{\bar{N}}(2N+1741-(2N+1498))$$

$$= B_{\bar{N}}(2533) + B_{\bar{N}}(N-518) + B_{\bar{N}}(243) = 2533 + (N-518) + 243 = N + 2258$$

$$(N \ge 2533)$$

$$B_{\bar{N}}(2N+1742) = B_{\bar{N}}(2N+1742-B_{\bar{N}}(2N+1741)) + B_{\bar{N}}(2N+1742-B_{\bar{N}}(2N+1740)) + B_{\bar{N}}(2N+1742-B_{\bar{N}}(2N+1739))$$

$$= B_{\bar{N}}(2N+1742-(N+2258)) + B_{\bar{N}}(2N+1742-(2N-792)) + B_{\bar{N}}(2N+1742-(N+2259))$$

$$= B_{\bar{N}}(N-516) + B_{\bar{N}}(2534) + B_{\bar{N}}(N-517) = (N-516) + 2534 + (N-517) = 2N+1501$$

$$(N \ge 2534)$$

$$B_{\bar{N}}(2N+1743) = B_{\bar{N}}(2N+1743 - B_{\bar{N}}(2N+1742)) + B_{\bar{N}}(2N+1743 - B_{\bar{N}}(2N+1741)) + B_{\bar{N}}(2N+1743 - B_{\bar{N}}(2N+1740))$$

$$= B_{\bar{N}}(2N+1743 - (2N+1501)) + B_{\bar{N}}(2N+1743 - (N+2258)) + B_{\bar{N}}(2N+1743 - (2N-792))$$

$$= B_{\bar{N}}(242) + B_{\bar{N}}(N-515) + B_{\bar{N}}(2535) = 242 + (N-515) + 2535 = N + 2262$$

$$(N \ge 2535)$$

$$B_{\bar{N}}(2N+1744) = B_{\bar{N}}(2N+1744-B_{\bar{N}}(2N+1743)) + B_{\bar{N}}(2N+1744-B_{\bar{N}}(2N+1742)) + B_{\bar{N}}(2N+1744-B_{\bar{N}}(2N+1741))$$

$$= B_{\bar{N}}(2N+1744-(N+2262)) + B_{\bar{N}}(2N+1744-(2N+1501)) + B_{\bar{N}}(2N+1744-(N+2258))$$

$$= B_{\bar{N}}(N-518) + B_{\bar{N}}(243) + B_{\bar{N}}(N-514) = (N-518) + 243 + (N-514) = 2N-789$$

$$(N \ge 519)$$

$$B_{\bar{N}}(2N+1745) = B_{\bar{N}}(2N+1745-B_{\bar{N}}(2N+1744)) + B_{\bar{N}}(2N+1745-B_{\bar{N}}(2N+1743)) + B_{\bar{N}}(2N+1745-B_{\bar{N}}(2N+1745))$$

$$= B_{\bar{N}}(2N+1745-(2N-789)) + B_{\bar{N}}(2N+1745-(N+2262)) + B_{\bar{N}}(2N+1745-(2N+1501))$$

$$= B_{\bar{N}}(2534) + B_{\bar{N}}(N-517) + B_{\bar{N}}(244) = 2534 + (N-517) + 244 = N + 2261$$

$$(N \ge 2534)$$

$$B_{\bar{N}}(2N+1746) = B_{\bar{N}}(2N+1746-B_{\bar{N}}(2N+1745)) + B_{\bar{N}}(2N+1746-B_{\bar{N}}(2N+1744)) + B_{\bar{N}}(2N+1746-B_{\bar{N}}(2N+1746))$$

$$= B_{\bar{N}}(2N+1746-(N+2261)) + B_{\bar{N}}(2N+1746-(2N-789)) + B_{\bar{N}}(2N+1746-(N+2262))$$

$$= B_{\bar{N}}(N-515) + B_{\bar{N}}(2535) + B_{\bar{N}}(N-516) = (N-515) + 2535 + (N-516) = 2N+1504$$

$$(N > 2535)$$

$$B_{\bar{N}}(2N+1747) = B_{\bar{N}}(2N+1747-B_{\bar{N}}(2N+1746)) + B_{\bar{N}}(2N+1747-B_{\bar{N}}(2N+1745)) + B_{\bar{N}}(2N+1747-B_{\bar{N}}(2N+1744))$$

$$= B_{\bar{N}}(2N+1747-(2N+1504)) + B_{\bar{N}}(2N+1747-(N+2261)) + B_{\bar{N}}(2N+1747-(2N-789))$$

$$= B_{\bar{N}}(243) + B_{\bar{N}}(N-514) + B_{\bar{N}}(2536) = 243 + (N-514) + 2536 = N + 2265$$

$$(N > 2536)$$

$$B_{\bar{N}}(2N+1748) = B_{\bar{N}}(2N+1748-B_{\bar{N}}(2N+1747)) + B_{\bar{N}}(2N+1748-B_{\bar{N}}(2N+1746)) + B_{\bar{N}}(2N+1748-B_{\bar{N}}(2N+1745))$$

$$= B_{\bar{N}}(2N+1748-(N+2265)) + B_{\bar{N}}(2N+1748-(2N+1504)) + B_{\bar{N}}(2N+1748-(N+2261))$$

$$= B_{\bar{N}}(N-517) + B_{\bar{N}}(244) + B_{\bar{N}}(N-513) = (N-517) + 244 + (N-513) = 2N-786$$

$$(N \ge 518)$$

$$B_{\bar{N}}(2N+1749) = B_{\bar{N}}(2N+1749 - B_{\bar{N}}(2N+1748)) + B_{\bar{N}}(2N+1749 - B_{\bar{N}}(2N+1747)) + B_{\bar{N}}(2N+1749 - B_{\bar{N}}(2N+1746))$$

$$= B_{\bar{N}}(2N+1749 - (2N-786)) + B_{\bar{N}}(2N+1749 - (N+2265)) + B_{\bar{N}}(2N+1749 - (2N+1504))$$

$$= B_{\bar{N}}(2535) + B_{\bar{N}}(N-516) + B_{\bar{N}}(245) = 2535 + (N-516) + 245 = N + 2264$$

$$(N \ge 2535)$$

$$B_{\bar{N}}(2N+1750) = B_{\bar{N}}(2N+1750-B_{\bar{N}}(2N+1749)) + B_{\bar{N}}(2N+1750-B_{\bar{N}}(2N+1748)) + B_{\bar{N}}(2N+1750-B_{\bar{N}}(2N+1747))$$

$$= B_{\bar{N}}(2N+1750-(N+2264)) + B_{\bar{N}}(2N+1750-(2N-786)) + B_{\bar{N}}(2N+1750-(N+2265))$$

$$= B_{\bar{N}}(N-514) + B_{\bar{N}}(2536) + B_{\bar{N}}(N-515) = (N-514) + 2536 + (N-515) = 2N+1507$$

$$(N \ge 2536)$$

$$B_{\bar{N}}(2N+1751) = B_{\bar{N}}(2N+1751-B_{\bar{N}}(2N+1750)) + B_{\bar{N}}(2N+1751-B_{\bar{N}}(2N+1749)) + B_{\bar{N}}(2N+1751-B_{\bar{N}}(2N+1748))$$

$$= B_{\bar{N}}(2N+1751-(2N+1507)) + B_{\bar{N}}(2N+1751-(N+2264)) + B_{\bar{N}}(2N+1751-(2N-786))$$

$$= B_{\bar{N}}(244) + B_{\bar{N}}(N-513) + B_{\bar{N}}(2537) = 244 + (N-513) + 2537 = N + 2268$$

$$(N \ge 2537)$$

$$B_{\bar{N}}(2N+1752) = B_{\bar{N}}(2N+1752-B_{\bar{N}}(2N+1751)) + B_{\bar{N}}(2N+1752-B_{\bar{N}}(2N+1750)) + B_{\bar{N}}(2N+1752-B_{\bar{N}}(2N+1749))$$

$$= B_{\bar{N}}(2N+1752-(N+2268)) + B_{\bar{N}}(2N+1752-(2N+1507)) + B_{\bar{N}}(2N+1752-(N+2264))$$

$$= B_{\bar{N}}(N-516) + B_{\bar{N}}(245) + B_{\bar{N}}(N-512) = (N-516) + 245 + (N-512) = 2N-783$$

$$(N \ge 517)$$

$$B_{\bar{N}}(2N+1753) = B_{\bar{N}}(2N+1753-B_{\bar{N}}(2N+1752)) + B_{\bar{N}}(2N+1753-B_{\bar{N}}(2N+1751)) + B_{\bar{N}}(2N+1753-B_{\bar{N}}(2N+1750))$$

$$= B_{\bar{N}}(2N+1753-(2N-783)) + B_{\bar{N}}(2N+1753-(N+2268)) + B_{\bar{N}}(2N+1753-(2N+1507))$$

$$= B_{\bar{N}}(2536) + B_{\bar{N}}(N-515) + B_{\bar{N}}(246) = 2536 + (N-515) + 246 = N + 2267$$

$$(N \ge 2536)$$

$$B_{\bar{N}}(2N+1754) = B_{\bar{N}}(2N+1754-B_{\bar{N}}(2N+1753)) + B_{\bar{N}}(2N+1754-B_{\bar{N}}(2N+1752)) + B_{\bar{N}}(2N+1754-B_{\bar{N}}(2N+1751))$$

$$= B_{\bar{N}}(2N+1754-(N+2267)) + B_{\bar{N}}(2N+1754-(2N-783)) + B_{\bar{N}}(2N+1754-(N+2268))$$

$$= B_{\bar{N}}(N-513) + B_{\bar{N}}(2537) + B_{\bar{N}}(N-514) = (N-513) + 2537 + (N-514) = 2N+1510$$

$$(N \ge 2537)$$

$$B_{\bar{N}}(2N+1755) = B_{\bar{N}}(2N+1755-B_{\bar{N}}(2N+1754)) + B_{\bar{N}}(2N+1755-B_{\bar{N}}(2N+1753)) + B_{\bar{N}}(2N+1755-B_{\bar{N}}(2N+1752))$$

$$= B_{\bar{N}}(2N+1755-(2N+1510)) + B_{\bar{N}}(2N+1755-(N+2267)) + B_{\bar{N}}(2N+1755-(2N-783))$$

$$= B_{\bar{N}}(245) + B_{\bar{N}}(N-512) + B_{\bar{N}}(2538) = 245 + (N-512) + 2538 = N + 2271$$

$$(N \ge 2538)$$

$$B_{\bar{N}}(2N+1756) = B_{\bar{N}}(2N+1756-B_{\bar{N}}(2N+1755)) + B_{\bar{N}}(2N+1756-B_{\bar{N}}(2N+1754)) + B_{\bar{N}}(2N+1756-B_{\bar{N}}(2N+1753))$$

$$= B_{\bar{N}}(2N+1756-(N+2271)) + B_{\bar{N}}(2N+1756-(2N+1510)) + B_{\bar{N}}(2N+1756-(N+2267))$$

$$= B_{\bar{N}}(N-515) + B_{\bar{N}}(246) + B_{\bar{N}}(N-511) = (N-515) + 246 + (N-511) = 2N-780$$

$$(N \ge 516)$$

$$B_{\bar{N}}(2N+1757) = B_{\bar{N}}(2N+1757 - B_{\bar{N}}(2N+1756)) + B_{\bar{N}}(2N+1757 - B_{\bar{N}}(2N+1755)) + B_{\bar{N}}(2N+1757 - B_{\bar{N}}(2N+1754))$$

$$= B_{\bar{N}}(2N+1757 - (2N-780)) + B_{\bar{N}}(2N+1757 - (N+2271)) + B_{\bar{N}}(2N+1757 - (2N+1510))$$

$$= B_{\bar{N}}(2537) + B_{\bar{N}}(N-514) + B_{\bar{N}}(247) = 2537 + (N-514) + 247 = N + 2270$$

$$(N > 2537)$$

$$B_{\bar{N}}(2N+1758) = B_{\bar{N}}(2N+1758-B_{\bar{N}}(2N+1757)) + B_{\bar{N}}(2N+1758-B_{\bar{N}}(2N+1756)) + B_{\bar{N}}(2N+1758-B_{\bar{N}}(2N+1755)) + B_{\bar{N}}(2N+1758-(N+2270)) + B_{\bar{N}}(2N+1758-(2N-780)) + B_{\bar{N}}(2N+1758-(N+2271)) + B_{\bar{N}}(N-512) + B_{\bar{N}}(2538) + B_{\bar{N}}(N-513) = (N-512) + 2538 + (N-513) = 2N+1513$$

$$(N \ge 2538)$$

$$B_{\bar{N}}(2N+1759) = B_{\bar{N}}(2N+1759 - B_{\bar{N}}(2N+1758)) + B_{\bar{N}}(2N+1759 - B_{\bar{N}}(2N+1757)) + B_{\bar{N}}(2N+1759 - B_{\bar{N}}(2N+1756))$$

$$= B_{\bar{N}}(2N+1759 - (2N+1513)) + B_{\bar{N}}(2N+1759 - (N+2270)) + B_{\bar{N}}(2N+1759 - (2N-780))$$

$$= B_{\bar{N}}(246) + B_{\bar{N}}(N-511) + B_{\bar{N}}(2539) = 246 + (N-511) + 2539 = N + 2274$$

$$(N \ge 2539)$$

$$B_{\bar{N}}(2N+1760) = B_{\bar{N}}(2N+1760-B_{\bar{N}}(2N+1759)) + B_{\bar{N}}(2N+1760-B_{\bar{N}}(2N+1758)) + B_{\bar{N}}(2N+1760-B_{\bar{N}}(2N+1757))$$

$$= B_{\bar{N}}(2N+1760-(N+2274)) + B_{\bar{N}}(2N+1760-(2N+1513)) + B_{\bar{N}}(2N+1760-(N+2270))$$

$$= B_{\bar{N}}(N-514) + B_{\bar{N}}(247) + B_{\bar{N}}(N-510) = (N-514) + 247 + (N-510) = 2N-777$$

$$(N \ge 515)$$

$$B_{\bar{N}}(2N+1761) = B_{\bar{N}}(2N+1761-B_{\bar{N}}(2N+1760)) + B_{\bar{N}}(2N+1761-B_{\bar{N}}(2N+1759)) + B_{\bar{N}}(2N+1761-B_{\bar{N}}(2N+1758))$$

$$= B_{\bar{N}}(2N+1761-(2N-777)) + B_{\bar{N}}(2N+1761-(N+2274)) + B_{\bar{N}}(2N+1761-(2N+1513))$$

$$= B_{\bar{N}}(2538) + B_{\bar{N}}(N-513) + B_{\bar{N}}(248) = 2538 + (N-513) + 248 = N + 2273$$

$$(N \ge 2538)$$

$$B_{\bar{N}}(2N+1762) = B_{\bar{N}}(2N+1762-B_{\bar{N}}(2N+1761)) + B_{\bar{N}}(2N+1762-B_{\bar{N}}(2N+1760)) + B_{\bar{N}}(2N+1762-B_{\bar{N}}(2N+1759))$$

$$= B_{\bar{N}}(2N+1762-(N+2273)) + B_{\bar{N}}(2N+1762-(2N-777)) + B_{\bar{N}}(2N+1762-(N+2274))$$

$$= B_{\bar{N}}(N-511) + B_{\bar{N}}(2539) + B_{\bar{N}}(N-512) = (N-511) + 2539 + (N-512) = 2N+1516$$

$$(N \ge 2539)$$

$$B_{\bar{N}}(2N+1763) = B_{\bar{N}}(2N+1763-B_{\bar{N}}(2N+1762)) + B_{\bar{N}}(2N+1763-B_{\bar{N}}(2N+1761)) + B_{\bar{N}}(2N+1763-B_{\bar{N}}(2N+1760))$$

$$= B_{\bar{N}}(2N+1763-(2N+1516)) + B_{\bar{N}}(2N+1763-(N+2273)) + B_{\bar{N}}(2N+1763-(2N-777))$$

$$= B_{\bar{N}}(247) + B_{\bar{N}}(N-510) + B_{\bar{N}}(2540) = 247 + (N-510) + 2540 = N + 2277$$

$$(N \ge 2540)$$

$$B_{\bar{N}}(2N+1764) = B_{\bar{N}}(2N+1764-B_{\bar{N}}(2N+1763)) + B_{\bar{N}}(2N+1764-B_{\bar{N}}(2N+1762)) + B_{\bar{N}}(2N+1764-B_{\bar{N}}(2N+1761))$$

$$= B_{\bar{N}}(2N+1764-(N+2277)) + B_{\bar{N}}(2N+1764-(2N+1516)) + B_{\bar{N}}(2N+1764-(N+2273))$$

$$= B_{\bar{N}}(N-513) + B_{\bar{N}}(248) + B_{\bar{N}}(N-509) = (N-513) + 248 + (N-509) = 2N-774$$

$$(N \ge 514)$$

$$B_{\bar{N}}(2N+1765) = B_{\bar{N}}(2N+1765-B_{\bar{N}}(2N+1764)) + B_{\bar{N}}(2N+1765-B_{\bar{N}}(2N+1763)) + B_{\bar{N}}(2N+1765-B_{\bar{N}}(2N+1762))$$

$$= B_{\bar{N}}(2N+1765-(2N-774)) + B_{\bar{N}}(2N+1765-(N+2277)) + B_{\bar{N}}(2N+1765-(2N+1516))$$

$$= B_{\bar{N}}(2539) + B_{\bar{N}}(N-512) + B_{\bar{N}}(249) = 2539 + (N-512) + 249 = N + 2276$$

$$(N \ge 2539)$$

$$B_{\bar{N}}(2N+1766) = B_{\bar{N}}(2N+1766-B_{\bar{N}}(2N+1765)) + B_{\bar{N}}(2N+1766-B_{\bar{N}}(2N+1764)) + B_{\bar{N}}(2N+1766-B_{\bar{N}}(2N+1763))$$

$$= B_{\bar{N}}(2N+1766-(N+2276)) + B_{\bar{N}}(2N+1766-(2N-774)) + B_{\bar{N}}(2N+1766-(N+2277))$$

$$= B_{\bar{N}}(N-510) + B_{\bar{N}}(2540) + B_{\bar{N}}(N-511) = (N-510) + 2540 + (N-511) = 2N+1519$$

$$(N > 2540)$$

$$B_{\bar{N}}(2N+1767) = B_{\bar{N}}(2N+1767-B_{\bar{N}}(2N+1766)) + B_{\bar{N}}(2N+1767-B_{\bar{N}}(2N+1765)) + B_{\bar{N}}(2N+1767-B_{\bar{N}}(2N+1764))$$

$$= B_{\bar{N}}(2N+1767-(2N+1519)) + B_{\bar{N}}(2N+1767-(N+2276)) + B_{\bar{N}}(2N+1767-(2N-774))$$

$$= B_{\bar{N}}(248) + B_{\bar{N}}(N-509) + B_{\bar{N}}(2541) = 248 + (N-509) + 2541 = N + 2280$$

$$(N \ge 2541)$$

$$B_{\bar{N}}(2N+1768) = B_{\bar{N}}(2N+1768-B_{\bar{N}}(2N+1767)) + B_{\bar{N}}(2N+1768-B_{\bar{N}}(2N+1766)) + B_{\bar{N}}(2N+1768-B_{\bar{N}}(2N+1765))$$

$$= B_{\bar{N}}(2N+1768-(N+2280)) + B_{\bar{N}}(2N+1768-(2N+1519)) + B_{\bar{N}}(2N+1768-(N+2276))$$

$$= B_{\bar{N}}(N-512) + B_{\bar{N}}(249) + B_{\bar{N}}(N-508) = (N-512) + 249 + (N-508) = 2N-771$$

$$(N \ge 513)$$

$$B_{\bar{N}}(2N+1769) = B_{\bar{N}}(2N+1769 - B_{\bar{N}}(2N+1768)) + B_{\bar{N}}(2N+1769 - B_{\bar{N}}(2N+1767)) + B_{\bar{N}}(2N+1769 - B_{\bar{N}}(2N+1766))$$

$$= B_{\bar{N}}(2N+1769 - (2N-771)) + B_{\bar{N}}(2N+1769 - (N+2280)) + B_{\bar{N}}(2N+1769 - (2N+1519))$$

$$= B_{\bar{N}}(2540) + B_{\bar{N}}(N-511) + B_{\bar{N}}(250) = 2540 + (N-511) + 250 = N + 2279$$

$$(N \ge 2540)$$

$$B_{\bar{N}}(2N+1770) = B_{\bar{N}}(2N+1770-B_{\bar{N}}(2N+1769)) + B_{\bar{N}}(2N+1770-B_{\bar{N}}(2N+1768)) + B_{\bar{N}}(2N+1770-B_{\bar{N}}(2N+1767))$$

$$= B_{\bar{N}}(2N+1770-(N+2279)) + B_{\bar{N}}(2N+1770-(2N-771)) + B_{\bar{N}}(2N+1770-(N+2280))$$

$$= B_{\bar{N}}(N-509) + B_{\bar{N}}(2541) + B_{\bar{N}}(N-510) = (N-509) + 2541 + (N-510) = 2N+1522$$

$$(N \ge 2541)$$

$$B_{\bar{N}}(2N+1771) = B_{\bar{N}}(2N+1771 - B_{\bar{N}}(2N+1770)) + B_{\bar{N}}(2N+1771 - B_{\bar{N}}(2N+1769)) + B_{\bar{N}}(2N+1771 - B_{\bar{N}}(2N+1768))$$

$$= B_{\bar{N}}(2N+1771 - (2N+1522)) + B_{\bar{N}}(2N+1771 - (N+2279)) + B_{\bar{N}}(2N+1771 - (2N-771))$$

$$= B_{\bar{N}}(249) + B_{\bar{N}}(N-508) + B_{\bar{N}}(2542) = 249 + (N-508) + 2542 = N + 2283$$

$$(N \ge 2542)$$

$$B_{\bar{N}}(2N+1772) = B_{\bar{N}}(2N+1772-B_{\bar{N}}(2N+1771)) + B_{\bar{N}}(2N+1772-B_{\bar{N}}(2N+1770)) + B_{\bar{N}}(2N+1772-B_{\bar{N}}(2N+1769))$$

$$= B_{\bar{N}}(2N+1772-(N+2283)) + B_{\bar{N}}(2N+1772-(2N+1522)) + B_{\bar{N}}(2N+1772-(N+2279))$$

$$= B_{\bar{N}}(N-511) + B_{\bar{N}}(250) + B_{\bar{N}}(N-507) = (N-511) + 250 + (N-507) = 2N-768$$

$$(N \ge 512)$$

$$B_{\bar{N}}(2N+1773) = B_{\bar{N}}(2N+1773-B_{\bar{N}}(2N+1772)) + B_{\bar{N}}(2N+1773-B_{\bar{N}}(2N+1771)) + B_{\bar{N}}(2N+1773-B_{\bar{N}}(2N+1770))$$

$$= B_{\bar{N}}(2N+1773-(2N-768)) + B_{\bar{N}}(2N+1773-(N+2283)) + B_{\bar{N}}(2N+1773-(2N+1522))$$

$$= B_{\bar{N}}(2541) + B_{\bar{N}}(N-510) + B_{\bar{N}}(251) = 2541 + (N-510) + 251 = N + 2282$$

$$(N \ge 2541)$$

$$B_{\bar{N}}(2N+1774) = B_{\bar{N}}(2N+1774 - B_{\bar{N}}(2N+1773)) + B_{\bar{N}}(2N+1774 - B_{\bar{N}}(2N+1772)) + B_{\bar{N}}(2N+1774 - B_{\bar{N}}(2N+1771))$$

$$= B_{\bar{N}}(2N+1774 - (N+2282)) + B_{\bar{N}}(2N+1774 - (2N-768)) + B_{\bar{N}}(2N+1774 - (N+2283))$$

$$= B_{\bar{N}}(N-508) + B_{\bar{N}}(2542) + B_{\bar{N}}(N-509) = (N-508) + 2542 + (N-509) = 2N+1525$$

$$(N \ge 2542)$$

$$B_{\bar{N}}(2N+1775) = B_{\bar{N}}(2N+1775 - B_{\bar{N}}(2N+1774)) + B_{\bar{N}}(2N+1775 - B_{\bar{N}}(2N+1773)) + B_{\bar{N}}(2N+1775 - B_{\bar{N}}(2N+1775))$$

$$= B_{\bar{N}}(2N+1775 - (2N+1525)) + B_{\bar{N}}(2N+1775 - (N+2282)) + B_{\bar{N}}(2N+1775 - (2N-768))$$

$$= B_{\bar{N}}(250) + B_{\bar{N}}(N-507) + B_{\bar{N}}(2543) = 250 + (N-507) + 2543 = N + 2286$$

$$(N \ge 2543)$$

$$B_{\bar{N}}(2N+1776) = B_{\bar{N}}(2N+1776-B_{\bar{N}}(2N+1775)) + B_{\bar{N}}(2N+1776-B_{\bar{N}}(2N+1774)) + B_{\bar{N}}(2N+1776-B_{\bar{N}}(2N+1773))$$

$$= B_{\bar{N}}(2N+1776-(N+2286)) + B_{\bar{N}}(2N+1776-(2N+1525)) + B_{\bar{N}}(2N+1776-(N+2282))$$

$$= B_{\bar{N}}(N-510) + B_{\bar{N}}(251) + B_{\bar{N}}(N-506) = (N-510) + 251 + (N-506) = 2N-765$$

$$(N > 511)$$

$$B_{\bar{N}}(2N+1777) = B_{\bar{N}}(2N+1777 - B_{\bar{N}}(2N+1776)) + B_{\bar{N}}(2N+1777 - B_{\bar{N}}(2N+1775)) + B_{\bar{N}}(2N+1777 - B_{\bar{N}}(2N+1774))$$

$$= B_{\bar{N}}(2N+1777 - (2N-765)) + B_{\bar{N}}(2N+1777 - (N+2286)) + B_{\bar{N}}(2N+1777 - (2N+1525))$$

$$= B_{\bar{N}}(2542) + B_{\bar{N}}(N-509) + B_{\bar{N}}(252) = 2542 + (N-509) + 252 = N + 2285$$

$$(N > 2542)$$

$$B_{\bar{N}}(2N+1778) = B_{\bar{N}}(2N+1778-B_{\bar{N}}(2N+1777)) + B_{\bar{N}}(2N+1778-B_{\bar{N}}(2N+1776)) + B_{\bar{N}}(2N+1778-B_{\bar{N}}(2N+1775)) + B_{\bar{N}}(2N+1778-(N+2285)) + B_{\bar{N}}(2N+1778-(2N-765)) + B_{\bar{N}}(2N+1778-(N+2286)) + B_{\bar{N}}(N-507) + B_{\bar{N}}(2543) + B_{\bar{N}}(N-508) = (N-507) + 2543 + (N-508) = 2N+1528$$

$$(N \ge 2543)$$

$$\begin{split} B_{\bar{N}}(2N+1779) &= B_{\bar{N}}(2N+1779-B_{\bar{N}}(2N+1778)) + B_{\bar{N}}(2N+1779-B_{\bar{N}}(2N+1777)) + B_{\bar{N}}(2N+1779-B_{\bar{N}}(2N+1776)) \\ &= B_{\bar{N}}(2N+1779-(2N+1528)) + B_{\bar{N}}(2N+1779-(N+2285)) + B_{\bar{N}}(2N+1779-(2N-765)) \\ &= B_{\bar{N}}(251) + B_{\bar{N}}(N-506) + B_{\bar{N}}(2544) = 251 + (N-506) + 2544 = N + 2289 \\ &(N \geq 2544) \end{split}$$

$$B_{\bar{N}}(2N+1780) = B_{\bar{N}}(2N+1780-B_{\bar{N}}(2N+1779)) + B_{\bar{N}}(2N+1780-B_{\bar{N}}(2N+1778)) + B_{\bar{N}}(2N+1780-B_{\bar{N}}(2N+1777))$$

$$= B_{\bar{N}}(2N+1780-(N+2289)) + B_{\bar{N}}(2N+1780-(2N+1528)) + B_{\bar{N}}(2N+1780-(N+2285))$$

$$= B_{\bar{N}}(N-509) + B_{\bar{N}}(252) + B_{\bar{N}}(N-505) = (N-509) + 252 + (N-505) = 2N-762$$

$$(N \ge 510)$$

$$B_{\bar{N}}(2N+1781) = B_{\bar{N}}(2N+1781 - B_{\bar{N}}(2N+1780)) + B_{\bar{N}}(2N+1781 - B_{\bar{N}}(2N+1779)) + B_{\bar{N}}(2N+1781 - B_{\bar{N}}(2N+1778))$$

$$= B_{\bar{N}}(2N+1781 - (2N-762)) + B_{\bar{N}}(2N+1781 - (N+2289)) + B_{\bar{N}}(2N+1781 - (2N+1528))$$

$$= B_{\bar{N}}(2543) + B_{\bar{N}}(N-508) + B_{\bar{N}}(253) = 2543 + (N-508) + 253 = N + 2288$$

$$(N \ge 2543)$$

$$B_{\bar{N}}(2N+1782) = B_{\bar{N}}(2N+1782-B_{\bar{N}}(2N+1781)) + B_{\bar{N}}(2N+1782-B_{\bar{N}}(2N+1780)) + B_{\bar{N}}(2N+1782-B_{\bar{N}}(2N+1779))$$

$$= B_{\bar{N}}(2N+1782-(N+2288)) + B_{\bar{N}}(2N+1782-(2N-762)) + B_{\bar{N}}(2N+1782-(N+2289))$$

$$= B_{\bar{N}}(N-506) + B_{\bar{N}}(2544) + B_{\bar{N}}(N-507) = (N-506) + 2544 + (N-507) = 2N+1531$$

$$(N \ge 2544)$$

$$B_{\bar{N}}(2N+1783) = B_{\bar{N}}(2N+1783 - B_{\bar{N}}(2N+1782)) + B_{\bar{N}}(2N+1783 - B_{\bar{N}}(2N+1781)) + B_{\bar{N}}(2N+1783 - B_{\bar{N}}(2N+1783)) + B_{\bar{N}}(2N+1783 - (N+2288)) + B_{\bar{N}}(2N+1783 - (2N-762))$$

$$= B_{\bar{N}}(252) + B_{\bar{N}}(N-505) + B_{\bar{N}}(2545) = 252 + (N-505) + 2545 = N + 2292$$

$$(N \ge 2545)$$

$$B_{\bar{N}}(2N+1784) = B_{\bar{N}}(2N+1784-B_{\bar{N}}(2N+1783)) + B_{\bar{N}}(2N+1784-B_{\bar{N}}(2N+1782)) + B_{\bar{N}}(2N+1784-B_{\bar{N}}(2N+1781))$$

$$= B_{\bar{N}}(2N+1784-(N+2292)) + B_{\bar{N}}(2N+1784-(2N+1531)) + B_{\bar{N}}(2N+1784-(N+2288))$$

$$= B_{\bar{N}}(N-508) + B_{\bar{N}}(253) + B_{\bar{N}}(N-504) = (N-508) + 253 + (N-504) = 2N-759$$

$$(N \ge 509)$$

$$B_{\bar{N}}(2N+1785) = B_{\bar{N}}(2N+1785-B_{\bar{N}}(2N+1784)) + B_{\bar{N}}(2N+1785-B_{\bar{N}}(2N+1783)) + B_{\bar{N}}(2N+1785-B_{\bar{N}}(2N+1782))$$

$$= B_{\bar{N}}(2N+1785-(2N-759)) + B_{\bar{N}}(2N+1785-(N+2292)) + B_{\bar{N}}(2N+1785-(2N+1531))$$

$$= B_{\bar{N}}(2544) + B_{\bar{N}}(N-507) + B_{\bar{N}}(254) = 2544 + (N-507) + 254 = N + 2291$$

$$(N \ge 2544)$$

$$B_{\bar{N}}(2N+1786) = B_{\bar{N}}(2N+1786-B_{\bar{N}}(2N+1785)) + B_{\bar{N}}(2N+1786-B_{\bar{N}}(2N+1784)) + B_{\bar{N}}(2N+1786-B_{\bar{N}}(2N+1786))$$

$$= B_{\bar{N}}(2N+1786-(N+2291)) + B_{\bar{N}}(2N+1786-(2N-759)) + B_{\bar{N}}(2N+1786-(N+2292))$$

$$= B_{\bar{N}}(N-505) + B_{\bar{N}}(2545) + B_{\bar{N}}(N-506) = (N-505) + 2545 + (N-506) = 2N+1534$$

$$(N \ge 2545)$$

$$B_{\bar{N}}(2N+1787) = B_{\bar{N}}(2N+1787-B_{\bar{N}}(2N+1786)) + B_{\bar{N}}(2N+1787-B_{\bar{N}}(2N+1785)) + B_{\bar{N}}(2N+1787-B_{\bar{N}}(2N+1784))$$

$$= B_{\bar{N}}(2N+1787-(2N+1534)) + B_{\bar{N}}(2N+1787-(N+2291)) + B_{\bar{N}}(2N+1787-(2N-759))$$

$$= B_{\bar{N}}(253) + B_{\bar{N}}(N-504) + B_{\bar{N}}(2546) = 253 + (N-504) + 2546 = N + 2295$$

$$(N \ge 2546)$$

$$B_{\bar{N}}(2N+1788) = B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1787)) + B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1786)) + B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788-B_{\bar{N}}(2N+1788))) \\ = B_{\bar{N}}(N-507) + B_{\bar{N}}(254) + B_{\bar{N}}(N-503) = (N-507) + 254 + (N-503) = 2N-756 \\ (N \ge 508)$$

$$B_{\bar{N}}(2N+1789) = B_{\bar{N}}(2N+1789 - B_{\bar{N}}(2N+1788)) + B_{\bar{N}}(2N+1789 - B_{\bar{N}}(2N+1787)) + B_{\bar{N}}(2N+1789 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1790) = B_{\bar{N}}(2N+1790 - B_{\bar{N}}(2N+1789)) + B_{\bar{N}}(2N+1790 - B_{\bar{N}}(2N+1788)) + B_{\bar{N}}(2N+1790 - B_{\bar{N}}(2N+1787))$$

$$= B_{\bar{N}}(2N+1790 - (N+2294)) + B_{\bar{N}}(2N+1790 - (2N-756)) + B_{\bar{N}}(2N+1790 - (N+2295))$$

$$= B_{\bar{N}}(N-504) + B_{\bar{N}}(2546) + B_{\bar{N}}(N-505) = (N-504) + 2546 + (N-505) = 2N+1537$$

$$(N \ge 2546)$$

$$B_{\bar{N}}(2N+1791) = B_{\bar{N}}(2N+1791-B_{\bar{N}}(2N+1790)) + B_{\bar{N}}(2N+1791-B_{\bar{N}}(2N+1789)) + B_{\bar{N}}(2N+1791-B_{\bar{N}}(2N+1788))$$

$$= B_{\bar{N}}(2N+1791-(2N+1537)) + B_{\bar{N}}(2N+1791-(N+2294)) + B_{\bar{N}}(2N+1791-(2N-756))$$

$$= B_{\bar{N}}(254) + B_{\bar{N}}(N-503) + B_{\bar{N}}(2547) = 254 + (N-503) + 2547 = N + 2298$$

$$(N \ge 2547)$$

$$B_{\bar{N}}(2N+1792) = B_{\bar{N}}(2N+1792-B_{\bar{N}}(2N+1791)) + B_{\bar{N}}(2N+1792-B_{\bar{N}}(2N+1790)) + B_{\bar{N}}(2N+1792-B_{\bar{N}}(2N+1789))$$

$$= B_{\bar{N}}(2N+1792-(N+2298)) + B_{\bar{N}}(2N+1792-(2N+1537)) + B_{\bar{N}}(2N+1792-(N+2294))$$

$$= B_{\bar{N}}(N-506) + B_{\bar{N}}(255) + B_{\bar{N}}(N-502) = (N-506) + 255 + (N-502) = 2N-753$$

$$(N \ge 507)$$

$$B_{\bar{N}}(2N+1793) = B_{\bar{N}}(2N+1793-B_{\bar{N}}(2N+1792)) + B_{\bar{N}}(2N+1793-B_{\bar{N}}(2N+1791)) + B_{\bar{N}}(2N+1793-B_{\bar{N}}(2N+1790))$$

$$= B_{\bar{N}}(2N+1793-(2N-753)) + B_{\bar{N}}(2N+1793-(N+2298)) + B_{\bar{N}}(2N+1793-(2N+1537))$$

$$= B_{\bar{N}}(2546) + B_{\bar{N}}(N-505) + B_{\bar{N}}(256) = 2546 + (N-505) + 256 = N + 2297$$

$$(N \ge 2546)$$

$$B_{\bar{N}}(2N+1794) = B_{\bar{N}}(2N+1794 - B_{\bar{N}}(2N+1793)) + B_{\bar{N}}(2N+1794 - B_{\bar{N}}(2N+1792)) + B_{\bar{N}}(2N+1794 - B_{\bar{N}}(2N+1791))$$

$$= B_{\bar{N}}(2N+1794 - (N+2297)) + B_{\bar{N}}(2N+1794 - (2N-753)) + B_{\bar{N}}(2N+1794 - (N+2298))$$

$$= B_{\bar{N}}(N-503) + B_{\bar{N}}(2547) + B_{\bar{N}}(N-504) = (N-503) + 2547 + (N-504) = 2N+1540$$

$$(N \ge 2547)$$

$$B_{\bar{N}}(2N+1795) = B_{\bar{N}}(2N+1795-B_{\bar{N}}(2N+1794)) + B_{\bar{N}}(2N+1795-B_{\bar{N}}(2N+1793)) + B_{\bar{N}}(2N+1795-B_{\bar{N}}(2N+1792))$$

$$= B_{\bar{N}}(2N+1795-(2N+1540)) + B_{\bar{N}}(2N+1795-(N+2297)) + B_{\bar{N}}(2N+1795-(2N-753))$$

$$= B_{\bar{N}}(255) + B_{\bar{N}}(N-502) + B_{\bar{N}}(2548) = 255 + (N-502) + 2548 = N + 2301$$

$$(N \ge 2548)$$

$$B_{\bar{N}}(2N+1796) = B_{\bar{N}}(2N+1796 - B_{\bar{N}}(2N+1795)) + B_{\bar{N}}(2N+1796 - B_{\bar{N}}(2N+1794)) + B_{\bar{N}}(2N+1796 - B_{\bar{N}}(2N+1793))$$

$$= B_{\bar{N}}(2N+1796 - (N+2301)) + B_{\bar{N}}(2N+1796 - (2N+1540)) + B_{\bar{N}}(2N+1796 - (N+2297))$$

$$= B_{\bar{N}}(N-505) + B_{\bar{N}}(256) + B_{\bar{N}}(N-501) = (N-505) + 256 + (N-501) = 2N-750$$

$$(N \ge 506)$$

$$B_{\bar{N}}(2N+1797) = B_{\bar{N}}(2N+1797 - B_{\bar{N}}(2N+1796)) + B_{\bar{N}}(2N+1797 - B_{\bar{N}}(2N+1795)) + B_{\bar{N}}(2N+1797 - B_{\bar{N}}(2N+1794))$$

$$= B_{\bar{N}}(2N+1797 - (2N-750)) + B_{\bar{N}}(2N+1797 - (N+2301)) + B_{\bar{N}}(2N+1797 - (2N+1540))$$

$$= B_{\bar{N}}(2547) + B_{\bar{N}}(N-504) + B_{\bar{N}}(257) = 2547 + (N-504) + 257 = N + 2300$$

$$(N \ge 2547)$$

$$B_{\bar{N}}(2N+1798) = B_{\bar{N}}(2N+1798-B_{\bar{N}}(2N+1797)) + B_{\bar{N}}(2N+1798-B_{\bar{N}}(2N+1796)) + B_{\bar{N}}(2N+1798-B_{\bar{N}}(2N+1795)) = B_{\bar{N}}(2N+1798-(N+2300)) + B_{\bar{N}}(2N+1798-(2N-750)) + B_{\bar{N}}(2N+1798-(N+2301)) = B_{\bar{N}}(N-502) + B_{\bar{N}}(2548) + B_{\bar{N}}(N-503) = (N-502) + 2548 + (N-503) = 2N+1543 (N \ge 2548)$$

$$B_{\bar{N}}(2N+1799) = B_{\bar{N}}(2N+1799 - B_{\bar{N}}(2N+1798)) + B_{\bar{N}}(2N+1799 - B_{\bar{N}}(2N+1797)) + B_{\bar{N}}(2N+1799 - B_{\bar{N}}(2N+1796))$$

$$= B_{\bar{N}}(2N+1799 - (2N+1543)) + B_{\bar{N}}(2N+1799 - (N+2300)) + B_{\bar{N}}(2N+1799 - (2N-750))$$

$$= B_{\bar{N}}(256) + B_{\bar{N}}(N-501) + B_{\bar{N}}(2549) = 256 + (N-501) + 2549 = N + 2304$$

$$(N \ge 2549)$$

$$B_{\bar{N}}(2N+1800) = B_{\bar{N}}(2N+1800 - B_{\bar{N}}(2N+1799)) + B_{\bar{N}}(2N+1800 - B_{\bar{N}}(2N+1798)) + B_{\bar{N}}(2N+1800 - B_{\bar{N}}(2N+1797))$$

$$= B_{\bar{N}}(2N+1800 - (N+2304)) + B_{\bar{N}}(2N+1800 - (2N+1543)) + B_{\bar{N}}(2N+1800 - (N+2300))$$

$$= B_{\bar{N}}(N-504) + B_{\bar{N}}(257) + B_{\bar{N}}(N-500) = (N-504) + 257 + (N-500) = 2N-747$$

$$(N \ge 505)$$

$$B_{\bar{N}}(2N+1801) = B_{\bar{N}}(2N+1801 - B_{\bar{N}}(2N+1800)) + B_{\bar{N}}(2N+1801 - B_{\bar{N}}(2N+1799)) + B_{\bar{N}}(2N+1801 - B_{\bar{N}}(2N+1798))$$

$$= B_{\bar{N}}(2N+1801 - (2N-747)) + B_{\bar{N}}(2N+1801 - (N+2304)) + B_{\bar{N}}(2N+1801 - (2N+1543))$$

$$= B_{\bar{N}}(2548) + B_{\bar{N}}(N-503) + B_{\bar{N}}(258) = 2548 + (N-503) + 258 = N + 2303$$

$$(N \ge 2548)$$

$$B_{\bar{N}}(2N+1802) = B_{\bar{N}}(2N+1802-B_{\bar{N}}(2N+1801)) + B_{\bar{N}}(2N+1802-B_{\bar{N}}(2N+1800)) + B_{\bar{N}}(2N+1802-B_{\bar{N}}(2N+1799))$$

$$= B_{\bar{N}}(2N+1802-(N+2303)) + B_{\bar{N}}(2N+1802-(2N-747)) + B_{\bar{N}}(2N+1802-(N+2304))$$

$$= B_{\bar{N}}(N-501) + B_{\bar{N}}(2549) + B_{\bar{N}}(N-502) = (N-501) + 2549 + (N-502) = 2N+1546$$

$$(N \ge 2549)$$

$$B_{\bar{N}}(2N+1803) = B_{\bar{N}}(2N+1803 - B_{\bar{N}}(2N+1802)) + B_{\bar{N}}(2N+1803 - B_{\bar{N}}(2N+1801)) + B_{\bar{N}}(2N+1803 - B_{\bar{N}}(2N+1803)) + B_{\bar{N}}(2N+1803 - (2N+1546)) + B_{\bar{N}}(2N+1803 - (N+2303)) + B_{\bar{N}}(2N+1803 - (2N-747)) \\ = B_{\bar{N}}(257) + B_{\bar{N}}(N-500) + B_{\bar{N}}(2550) = 257 + (N-500) + 2550 = N + 2307 \\ (N \ge 2550)$$

$$B_{\bar{N}}(2N+1804) = B_{\bar{N}}(2N+1804-B_{\bar{N}}(2N+1803)) + B_{\bar{N}}(2N+1804-B_{\bar{N}}(2N+1802)) + B_{\bar{N}}(2N+1804-B_{\bar{N}}(2N+1801))$$

$$= B_{\bar{N}}(2N+1804-(N+2307)) + B_{\bar{N}}(2N+1804-(2N+1546)) + B_{\bar{N}}(2N+1804-(N+2303))$$

$$= B_{\bar{N}}(N-503) + B_{\bar{N}}(258) + B_{\bar{N}}(N-499) = (N-503) + 258 + (N-499) = 2N-744$$

$$(N \ge 504)$$

$$B_{\bar{N}}(2N+1805) = B_{\bar{N}}(2N+1805 - B_{\bar{N}}(2N+1804)) + B_{\bar{N}}(2N+1805 - B_{\bar{N}}(2N+1803)) + B_{\bar{N}}(2N+1805 - B_{\bar{N}}(2N+1805))$$

$$= B_{\bar{N}}(2N+1805 - (2N-744)) + B_{\bar{N}}(2N+1805 - (N+2307)) + B_{\bar{N}}(2N+1805 - (2N+1546))$$

$$= B_{\bar{N}}(2549) + B_{\bar{N}}(N-502) + B_{\bar{N}}(259) = 2549 + (N-502) + 259 = N + 2306$$

$$(N \ge 2549)$$

$$B_{\bar{N}}(2N+1806) = B_{\bar{N}}(2N+1806-B_{\bar{N}}(2N+1805)) + B_{\bar{N}}(2N+1806-B_{\bar{N}}(2N+1804)) + B_{\bar{N}}(2N+1806-B_{\bar{N}}(2N+1803)) = B_{\bar{N}}(2N+1806-(N+2306)) + B_{\bar{N}}(2N+1806-(2N-744)) + B_{\bar{N}}(2N+1806-(N+2307)) = B_{\bar{N}}(N-500) + B_{\bar{N}}(2550) + B_{\bar{N}}(N-501) = (N-500) + 2550 + (N-501) = 2N+1549 (N > 2550)$$

$$B_{\bar{N}}(2N+1807) = B_{\bar{N}}(2N+1807 - B_{\bar{N}}(2N+1806)) + B_{\bar{N}}(2N+1807 - B_{\bar{N}}(2N+1805)) + B_{\bar{N}}(2N+1807 - B_{\bar{N}}(2N+1804))$$

$$= B_{\bar{N}}(2N+1807 - (2N+1549)) + B_{\bar{N}}(2N+1807 - (N+2306)) + B_{\bar{N}}(2N+1807 - (2N-744))$$

$$= B_{\bar{N}}(258) + B_{\bar{N}}(N-499) + B_{\bar{N}}(2551) = 258 + (N-499) + 2551 = N + 2310$$

$$(N \ge 2551)$$

$$B_{\bar{N}}(2N+1808) = B_{\bar{N}}(2N+1808-B_{\bar{N}}(2N+1807)) + B_{\bar{N}}(2N+1808-B_{\bar{N}}(2N+1806)) + B_{\bar{N}}(2N+1808-B_{\bar{N}}(2N+1805))$$

$$= B_{\bar{N}}(2N+1808-(N+2310)) + B_{\bar{N}}(2N+1808-(2N+1549)) + B_{\bar{N}}(2N+1808-(N+2306))$$

$$= B_{\bar{N}}(N-502) + B_{\bar{N}}(259) + B_{\bar{N}}(N-498) = (N-502) + 259 + (N-498) = 2N-741$$

$$(N \ge 503)$$

$$B_{\bar{N}}(2N+1809) = B_{\bar{N}}(2N+1809 - B_{\bar{N}}(2N+1808)) + B_{\bar{N}}(2N+1809 - B_{\bar{N}}(2N+1807)) + B_{\bar{N}}(2N+1809 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1810) = B_{\bar{N}}(2N+1810-B_{\bar{N}}(2N+1809)) + B_{\bar{N}}(2N+1810-B_{\bar{N}}(2N+1808)) + B_{\bar{N}}(2N+1810-B_{\bar{N}}(2N+1807))$$

$$= B_{\bar{N}}(2N+1810-(N+2309)) + B_{\bar{N}}(2N+1810-(2N-741)) + B_{\bar{N}}(2N+1810-(N+2310))$$

$$= B_{\bar{N}}(N-499) + B_{\bar{N}}(2551) + B_{\bar{N}}(N-500) = (N-499) + 2551 + (N-500) = 2N+1552$$

$$(N \ge 2551)$$

$$B_{\bar{N}}(2N+1811) = B_{\bar{N}}(2N+1811-B_{\bar{N}}(2N+1810)) + B_{\bar{N}}(2N+1811-B_{\bar{N}}(2N+1809)) + B_{\bar{N}}(2N+1811-B_{\bar{N}}(2N+1808))$$

$$= B_{\bar{N}}(2N+1811-(2N+1552)) + B_{\bar{N}}(2N+1811-(N+2309)) + B_{\bar{N}}(2N+1811-(2N-741))$$

$$= B_{\bar{N}}(259) + B_{\bar{N}}(N-498) + B_{\bar{N}}(2552) = 259 + (N-498) + 2552 = N + 2313$$

$$(N \ge 2552)$$

$$B_{\bar{N}}(2N+1812) = B_{\bar{N}}(2N+1812-B_{\bar{N}}(2N+1811)) + B_{\bar{N}}(2N+1812-B_{\bar{N}}(2N+1810)) + B_{\bar{N}}(2N+1812-B_{\bar{N}}(2N+1809))$$

$$= B_{\bar{N}}(2N+1812-(N+2313)) + B_{\bar{N}}(2N+1812-(2N+1552)) + B_{\bar{N}}(2N+1812-(N+2309))$$

$$= B_{\bar{N}}(N-501) + B_{\bar{N}}(260) + B_{\bar{N}}(N-497) = (N-501) + 260 + (N-497) = 2N-738$$

$$(N \ge 502)$$

$$B_{\bar{N}}(2N+1813) = B_{\bar{N}}(2N+1813-B_{\bar{N}}(2N+1812)) + B_{\bar{N}}(2N+1813-B_{\bar{N}}(2N+1811)) + B_{\bar{N}}(2N+1813-B_{\bar{N}}(2N+1810))$$

$$= B_{\bar{N}}(2N+1813-(2N-738)) + B_{\bar{N}}(2N+1813-(N+2313)) + B_{\bar{N}}(2N+1813-(2N+1552))$$

$$= B_{\bar{N}}(2551) + B_{\bar{N}}(N-500) + B_{\bar{N}}(261) = 2551 + (N-500) + 261 = N + 2312$$

$$(N \ge 2551)$$

$$B_{\bar{N}}(2N+1814) = B_{\bar{N}}(2N+1814-B_{\bar{N}}(2N+1813)) + B_{\bar{N}}(2N+1814-B_{\bar{N}}(2N+1812)) + B_{\bar{N}}(2N+1814-B_{\bar{N}}(2N+1811))$$

$$= B_{\bar{N}}(2N+1814-(N+2312)) + B_{\bar{N}}(2N+1814-(2N-738)) + B_{\bar{N}}(2N+1814-(N+2313))$$

$$= B_{\bar{N}}(N-498) + B_{\bar{N}}(2552) + B_{\bar{N}}(N-499) = (N-498) + 2552 + (N-499) = 2N+1555$$

$$(N \ge 2552)$$

$$B_{\bar{N}}(2N+1815) = B_{\bar{N}}(2N+1815-B_{\bar{N}}(2N+1814)) + B_{\bar{N}}(2N+1815-B_{\bar{N}}(2N+1813)) + B_{\bar{N}}(2N+1815-B_{\bar{N}}(2N+1812))$$

$$= B_{\bar{N}}(2N+1815-(2N+1555)) + B_{\bar{N}}(2N+1815-(N+2312)) + B_{\bar{N}}(2N+1815-(2N-738))$$

$$= B_{\bar{N}}(260) + B_{\bar{N}}(N-497) + B_{\bar{N}}(2553) = 260 + (N-497) + 2553 = N + 2316$$

$$(N \ge 2553)$$

$$B_{\bar{N}}(2N+1816) = B_{\bar{N}}(2N+1816-B_{\bar{N}}(2N+1815)) + B_{\bar{N}}(2N+1816-B_{\bar{N}}(2N+1814)) + B_{\bar{N}}(2N+1816-B_{\bar{N}}(2N+1813))$$

$$= B_{\bar{N}}(2N+1816-(N+2316)) + B_{\bar{N}}(2N+1816-(2N+1555)) + B_{\bar{N}}(2N+1816-(N+2312))$$

$$= B_{\bar{N}}(N-500) + B_{\bar{N}}(261) + B_{\bar{N}}(N-496) = (N-500) + 261 + (N-496) = 2N-735$$

$$(N > 501)$$

$$B_{\bar{N}}(2N+1817) = B_{\bar{N}}(2N+1817 - B_{\bar{N}}(2N+1816)) + B_{\bar{N}}(2N+1817 - B_{\bar{N}}(2N+1815)) + B_{\bar{N}}(2N+1817 - B_{\bar{N}}(2N+1814))$$

$$= B_{\bar{N}}(2N+1817 - (2N-735)) + B_{\bar{N}}(2N+1817 - (N+2316)) + B_{\bar{N}}(2N+1817 - (2N+1555))$$

$$= B_{\bar{N}}(2552) + B_{\bar{N}}(N-499) + B_{\bar{N}}(262) = 2552 + (N-499) + 262 = N+2315$$

$$(N > 2552)$$

$$B_{\bar{N}}(2N+1818) = B_{\bar{N}}(2N+1818-B_{\bar{N}}(2N+1817)) + B_{\bar{N}}(2N+1818-B_{\bar{N}}(2N+1816)) + B_{\bar{N}}(2N+1818-B_{\bar{N}}(2N+1815))$$

$$= B_{\bar{N}}(2N+1818-(N+2315)) + B_{\bar{N}}(2N+1818-(2N-735)) + B_{\bar{N}}(2N+1818-(N+2316))$$

$$= B_{\bar{N}}(N-497) + B_{\bar{N}}(2553) + B_{\bar{N}}(N-498) = (N-497) + 2553 + (N-498) = 2N+1558$$

$$(N \ge 2553)$$

$$B_{\bar{N}}(2N+1819) = B_{\bar{N}}(2N+1819 - B_{\bar{N}}(2N+1818)) + B_{\bar{N}}(2N+1819 - B_{\bar{N}}(2N+1817)) + B_{\bar{N}}(2N+1819 - B_{\bar{N}}(2N+1816))$$

$$= B_{\bar{N}}(2N+1819 - (2N+1558)) + B_{\bar{N}}(2N+1819 - (N+2315)) + B_{\bar{N}}(2N+1819 - (2N-735))$$

$$= B_{\bar{N}}(261) + B_{\bar{N}}(N-496) + B_{\bar{N}}(2554) = 261 + (N-496) + 2554 = N + 2319$$

$$(N \ge 2554)$$

$$B_{\bar{N}}(2N+1820) = B_{\bar{N}}(2N+1820 - B_{\bar{N}}(2N+1819)) + B_{\bar{N}}(2N+1820 - B_{\bar{N}}(2N+1818)) + B_{\bar{N}}(2N+1820 - B_{\bar{N}}(2N+1817))$$

$$= B_{\bar{N}}(2N+1820 - (N+2319)) + B_{\bar{N}}(2N+1820 - (2N+1558)) + B_{\bar{N}}(2N+1820 - (N+2315))$$

$$= B_{\bar{N}}(N-499) + B_{\bar{N}}(262) + B_{\bar{N}}(N-495) = (N-499) + 262 + (N-495) = 2N-732$$

$$(N \ge 500)$$

$$B_{\bar{N}}(2N+1821) = B_{\bar{N}}(2N+1821-B_{\bar{N}}(2N+1820)) + B_{\bar{N}}(2N+1821-B_{\bar{N}}(2N+1819)) + B_{\bar{N}}(2N+1821-B_{\bar{N}}(2N+1818))$$

$$= B_{\bar{N}}(2N+1821-(2N-732)) + B_{\bar{N}}(2N+1821-(N+2319)) + B_{\bar{N}}(2N+1821-(2N+1558))$$

$$= B_{\bar{N}}(2553) + B_{\bar{N}}(N-498) + B_{\bar{N}}(263) = 2553 + (N-498) + 263 = N + 2318$$

$$(N \ge 2553)$$

$$B_{\bar{N}}(2N+1822) = B_{\bar{N}}(2N+1822-B_{\bar{N}}(2N+1821)) + B_{\bar{N}}(2N+1822-B_{\bar{N}}(2N+1820)) + B_{\bar{N}}(2N+1822-B_{\bar{N}}(2N+1819))$$

$$= B_{\bar{N}}(2N+1822-(N+2318)) + B_{\bar{N}}(2N+1822-(2N-732)) + B_{\bar{N}}(2N+1822-(N+2319))$$

$$= B_{\bar{N}}(N-496) + B_{\bar{N}}(2554) + B_{\bar{N}}(N-497) = (N-496) + 2554 + (N-497) = 2N+1561$$

$$(N \ge 2554)$$

$$B_{\bar{N}}(2N+1823) = B_{\bar{N}}(2N+1823 - B_{\bar{N}}(2N+1822)) + B_{\bar{N}}(2N+1823 - B_{\bar{N}}(2N+1821)) + B_{\bar{N}}(2N+1823 - B_{\bar{N}}(2N+1823)) = B_{\bar{N}}(2N+1823 - (2N+1561)) + B_{\bar{N}}(2N+1823 - (N+2318)) + B_{\bar{N}}(2N+1823 - (2N-732)) = B_{\bar{N}}(262) + B_{\bar{N}}(N-495) + B_{\bar{N}}(2555) = 262 + (N-495) + 2555 = N + 2322 (N \ge 2555)$$

$$B_{\bar{N}}(2N+1824) = B_{\bar{N}}(2N+1824 - B_{\bar{N}}(2N+1823)) + B_{\bar{N}}(2N+1824 - B_{\bar{N}}(2N+1822)) + B_{\bar{N}}(2N+1824 - B_{\bar{N}}(2N+1824))$$

$$= B_{\bar{N}}(2N+1824 - (N+2322)) + B_{\bar{N}}(2N+1824 - (2N+1561)) + B_{\bar{N}}(2N+1824 - (N+2318))$$

$$= B_{\bar{N}}(N-498) + B_{\bar{N}}(263) + B_{\bar{N}}(N-494) = (N-498) + 263 + (N-494) = 2N-729$$

$$(N \ge 499)$$

$$\begin{split} B_{\bar{N}}(2N+1825) &= B_{\bar{N}}(2N+1825-B_{\bar{N}}(2N+1824)) + B_{\bar{N}}(2N+1825-B_{\bar{N}}(2N+1823)) + B_{\bar{N}}(2N+1825-B_{\bar{N}}(2N+1825)) \\ &= B_{\bar{N}}(2N+1825-(2N-729)) + B_{\bar{N}}(2N+1825-(N+2322)) + B_{\bar{N}}(2N+1825-(2N+1561)) \\ &= B_{\bar{N}}(2554) + B_{\bar{N}}(N-497) + B_{\bar{N}}(264) = 2554 + (N-497) + 264 = N + 2321 \\ &(N \geq 2554) \end{split}$$

$$B_{\bar{N}}(2N+1826) = B_{\bar{N}}(2N+1826-B_{\bar{N}}(2N+1825)) + B_{\bar{N}}(2N+1826-B_{\bar{N}}(2N+1824)) + B_{\bar{N}}(2N+1826-B_{\bar{N}}(2N+1823))$$

$$= B_{\bar{N}}(2N+1826-(N+2321)) + B_{\bar{N}}(2N+1826-(2N-729)) + B_{\bar{N}}(2N+1826-(N+2322))$$

$$= B_{\bar{N}}(N-495) + B_{\bar{N}}(2555) + B_{\bar{N}}(N-496) = (N-495) + 2555 + (N-496) = 2N+1564$$

$$(N \ge 2555)$$

$$B_{\bar{N}}(2N+1827) = B_{\bar{N}}(2N+1827-B_{\bar{N}}(2N+1826)) + B_{\bar{N}}(2N+1827-B_{\bar{N}}(2N+1825)) + B_{\bar{N}}(2N+1827-B_{\bar{N}}(2N+1824))$$

$$= B_{\bar{N}}(2N+1827-(2N+1564)) + B_{\bar{N}}(2N+1827-(N+2321)) + B_{\bar{N}}(2N+1827-(2N-729))$$

$$= B_{\bar{N}}(263) + B_{\bar{N}}(N-494) + B_{\bar{N}}(2556) = 263 + (N-494) + 2556 = N + 2325$$

$$(N \ge 2556)$$

$$B_{\bar{N}}(2N+1828) = B_{\bar{N}}(2N+1828-B_{\bar{N}}(2N+1827)) + B_{\bar{N}}(2N+1828-B_{\bar{N}}(2N+1826)) + B_{\bar{N}}(2N+1828-B_{\bar{N}}(2N+1825))$$

$$= B_{\bar{N}}(2N+1828-(N+2325)) + B_{\bar{N}}(2N+1828-(2N+1564)) + B_{\bar{N}}(2N+1828-(N+2321))$$

$$= B_{\bar{N}}(N-497) + B_{\bar{N}}(264) + B_{\bar{N}}(N-493) = (N-497) + 264 + (N-493) = 2N-726$$

$$(N \ge 498)$$

$$B_{\bar{N}}(2N+1829) = B_{\bar{N}}(2N+1829 - B_{\bar{N}}(2N+1828)) + B_{\bar{N}}(2N+1829 - B_{\bar{N}}(2N+1827)) + B_{\bar{N}}(2N+1829 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1830) = B_{\bar{N}}(2N+1830 - B_{\bar{N}}(2N+1829)) + B_{\bar{N}}(2N+1830 - B_{\bar{N}}(2N+1828)) + B_{\bar{N}}(2N+1830 - B_{\bar{N}}(2N+1827))$$

$$= B_{\bar{N}}(2N+1830 - (N+2324)) + B_{\bar{N}}(2N+1830 - (2N-726)) + B_{\bar{N}}(2N+1830 - (N+2325))$$

$$= B_{\bar{N}}(N-494) + B_{\bar{N}}(2556) + B_{\bar{N}}(N-495) = (N-494) + 2556 + (N-495) = 2N+1567$$

$$(N \ge 2556)$$

$$B_{\bar{N}}(2N+1831) = B_{\bar{N}}(2N+1831-B_{\bar{N}}(2N+1830)) + B_{\bar{N}}(2N+1831-B_{\bar{N}}(2N+1829)) + B_{\bar{N}}(2N+1831-B_{\bar{N}}(2N+1828))$$

$$= B_{\bar{N}}(2N+1831-(2N+1567)) + B_{\bar{N}}(2N+1831-(N+2324)) + B_{\bar{N}}(2N+1831-(2N-726))$$

$$= B_{\bar{N}}(264) + B_{\bar{N}}(N-493) + B_{\bar{N}}(2557) = 264 + (N-493) + 2557 = N + 2328$$

$$(N \ge 2557)$$

$$B_{\bar{N}}(2N+1832) = B_{\bar{N}}(2N+1832 - B_{\bar{N}}(2N+1831)) + B_{\bar{N}}(2N+1832 - B_{\bar{N}}(2N+1830)) + B_{\bar{N}}(2N+1832 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1833) = B_{\bar{N}}(2N+1833-B_{\bar{N}}(2N+1832)) + B_{\bar{N}}(2N+1833-B_{\bar{N}}(2N+1831)) + B_{\bar{N}}(2N+1833-B_{\bar{N}}(2N+1830))$$

$$= B_{\bar{N}}(2N+1833-(2N-723)) + B_{\bar{N}}(2N+1833-(N+2328)) + B_{\bar{N}}(2N+1833-(2N+1567))$$

$$= B_{\bar{N}}(2556) + B_{\bar{N}}(N-495) + B_{\bar{N}}(266) = 2556 + (N-495) + 266 = N+2327$$

$$(N \ge 2556)$$

$$B_{\bar{N}}(2N+1834) = B_{\bar{N}}(2N+1834 - B_{\bar{N}}(2N+1833)) + B_{\bar{N}}(2N+1834 - B_{\bar{N}}(2N+1832)) + B_{\bar{N}}(2N+1834 - B_{\bar{N}}(2N+1831))$$

$$= B_{\bar{N}}(2N+1834 - (N+2327)) + B_{\bar{N}}(2N+1834 - (2N-723)) + B_{\bar{N}}(2N+1834 - (N+2328))$$

$$= B_{\bar{N}}(N-493) + B_{\bar{N}}(2557) + B_{\bar{N}}(N-494) = (N-493) + 2557 + (N-494) = 2N+1570$$

$$(N \ge 2557)$$

$$B_{\bar{N}}(2N+1835) = B_{\bar{N}}(2N+1835-B_{\bar{N}}(2N+1834)) + B_{\bar{N}}(2N+1835-B_{\bar{N}}(2N+1833)) + B_{\bar{N}}(2N+1835-B_{\bar{N}}(2N+1832))$$

$$= B_{\bar{N}}(2N+1835-(2N+1570)) + B_{\bar{N}}(2N+1835-(N+2327)) + B_{\bar{N}}(2N+1835-(2N-723))$$

$$= B_{\bar{N}}(265) + B_{\bar{N}}(N-492) + B_{\bar{N}}(2558) = 265 + (N-492) + 2558 = N + 2331$$

$$(N \ge 2558)$$

$$B_{\bar{N}}(2N+1836) = B_{\bar{N}}(2N+1836-B_{\bar{N}}(2N+1835)) + B_{\bar{N}}(2N+1836-B_{\bar{N}}(2N+1834)) + B_{\bar{N}}(2N+1836-B_{\bar{N}}(2N+1836))$$

$$= B_{\bar{N}}(2N+1836-(N+2331)) + B_{\bar{N}}(2N+1836-(2N+1570)) + B_{\bar{N}}(2N+1836-(N+2327))$$

$$= B_{\bar{N}}(N-495) + B_{\bar{N}}(266) + B_{\bar{N}}(N-491) = (N-495) + 266 + (N-491) = 2N-720$$

$$(N > 496)$$

$$B_{\bar{N}}(2N+1837) = B_{\bar{N}}(2N+1837 - B_{\bar{N}}(2N+1836)) + B_{\bar{N}}(2N+1837 - B_{\bar{N}}(2N+1835)) + B_{\bar{N}}(2N+1837 - B_{\bar{N}}(2N+1834))$$

$$= B_{\bar{N}}(2N+1837 - (2N-720)) + B_{\bar{N}}(2N+1837 - (N+2331)) + B_{\bar{N}}(2N+1837 - (2N+1570))$$

$$= B_{\bar{N}}(2557) + B_{\bar{N}}(N-494) + B_{\bar{N}}(267) = 2557 + (N-494) + 267 = N + 2330$$

$$(N \ge 2557)$$

$$B_{\bar{N}}(2N+1838) = B_{\bar{N}}(2N+1838-B_{\bar{N}}(2N+1837)) + B_{\bar{N}}(2N+1838-B_{\bar{N}}(2N+1836)) + B_{\bar{N}}(2N+1838-B_{\bar{N}}(2N+1835))$$

$$= B_{\bar{N}}(2N+1838-(N+2330)) + B_{\bar{N}}(2N+1838-(2N-720)) + B_{\bar{N}}(2N+1838-(N+2331))$$

$$= B_{\bar{N}}(N-492) + B_{\bar{N}}(2558) + B_{\bar{N}}(N-493) = (N-492) + 2558 + (N-493) = 2N+1573$$

$$(N \ge 2558)$$

$$B_{\bar{N}}(2N+1839) = B_{\bar{N}}(2N+1839 - B_{\bar{N}}(2N+1838)) + B_{\bar{N}}(2N+1839 - B_{\bar{N}}(2N+1837)) + B_{\bar{N}}(2N+1839 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1840) = B_{\bar{N}}(2N+1840 - B_{\bar{N}}(2N+1839)) + B_{\bar{N}}(2N+1840 - B_{\bar{N}}(2N+1838)) + B_{\bar{N}}(2N+1840 - B_{\bar{N}}(2N+1837))$$

$$= B_{\bar{N}}(2N+1840 - (N+2334)) + B_{\bar{N}}(2N+1840 - (2N+1573)) + B_{\bar{N}}(2N+1840 - (N+2330))$$

$$= B_{\bar{N}}(N-494) + B_{\bar{N}}(267) + B_{\bar{N}}(N-490) = (N-494) + 267 + (N-490) = 2N-717$$

$$(N \ge 495)$$

$$B_{\bar{N}}(2N+1841) = B_{\bar{N}}(2N+1841 - B_{\bar{N}}(2N+1840)) + B_{\bar{N}}(2N+1841 - B_{\bar{N}}(2N+1839)) + B_{\bar{N}}(2N+1841 - B_{\bar{N}}(2N+1838))$$

$$= B_{\bar{N}}(2N+1841 - (2N-717)) + B_{\bar{N}}(2N+1841 - (N+2334)) + B_{\bar{N}}(2N+1841 - (2N+1573))$$

$$= B_{\bar{N}}(2558) + B_{\bar{N}}(N-493) + B_{\bar{N}}(268) = 2558 + (N-493) + 268 = N + 2333$$

$$(N \ge 2558)$$

$$B_{\bar{N}}(2N+1842) = B_{\bar{N}}(2N+1842-B_{\bar{N}}(2N+1841)) + B_{\bar{N}}(2N+1842-B_{\bar{N}}(2N+1840)) + B_{\bar{N}}(2N+1842-B_{\bar{N}}(2N+1839))$$

$$= B_{\bar{N}}(2N+1842-(N+2333)) + B_{\bar{N}}(2N+1842-(2N-717)) + B_{\bar{N}}(2N+1842-(N+2334))$$

$$= B_{\bar{N}}(N-491) + B_{\bar{N}}(2559) + B_{\bar{N}}(N-492) = (N-491) + 2559 + (N-492) = 2N+1576$$

$$(N \ge 2559)$$

$$B_{\bar{N}}(2N+1843) = B_{\bar{N}}(2N+1843 - B_{\bar{N}}(2N+1842)) + B_{\bar{N}}(2N+1843 - B_{\bar{N}}(2N+1841)) + B_{\bar{N}}(2N+1843 - B_{\bar{N}}(2N+1840))$$

$$= B_{\bar{N}}(2N+1843 - (2N+1576)) + B_{\bar{N}}(2N+1843 - (N+2333)) + B_{\bar{N}}(2N+1843 - (2N-717))$$

$$= B_{\bar{N}}(267) + B_{\bar{N}}(N-490) + B_{\bar{N}}(2560) = 267 + (N-490) + 2560 = N + 2337$$

$$(N \ge 2560)$$

$$B_{\bar{N}}(2N+1844) = B_{\bar{N}}(2N+1844 - B_{\bar{N}}(2N+1843)) + B_{\bar{N}}(2N+1844 - B_{\bar{N}}(2N+1842)) + B_{\bar{N}}(2N+1844 - B_{\bar{N}}(2N+1841))$$

$$= B_{\bar{N}}(2N+1844 - (N+2337)) + B_{\bar{N}}(2N+1844 - (2N+1576)) + B_{\bar{N}}(2N+1844 - (N+2333))$$

$$= B_{\bar{N}}(N-493) + B_{\bar{N}}(268) + B_{\bar{N}}(N-489) = (N-493) + 268 + (N-489) = 2N-714$$

$$(N \ge 494)$$

$$B_{\bar{N}}(2N+1845) = B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1844)) + B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1843)) + B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2N+1845-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1846) = B_{\bar{N}}(2N+1846 - B_{\bar{N}}(2N+1845)) + B_{\bar{N}}(2N+1846 - B_{\bar{N}}(2N+1844)) + B_{\bar{N}}(2N+1846 - B_{\bar{N}}(2N+1843))$$

$$= B_{\bar{N}}(2N+1846 - (N+2336)) + B_{\bar{N}}(2N+1846 - (2N-714)) + B_{\bar{N}}(2N+1846 - (N+2337))$$

$$= B_{\bar{N}}(N-490) + B_{\bar{N}}(2560) + B_{\bar{N}}(N-491) = (N-490) + 2560 + (N-491) = 2N+1579$$

$$(N \ge 2560)$$

$$B_{\bar{N}}(2N+1847) = B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1846)) + B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1845)) + B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2N+1847-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1848) = B_{\bar{N}}(2N+1848-B_{\bar{N}}(2N+1847)) + B_{\bar{N}}(2N+1848-B_{\bar{N}}(2N+1846)) + B_{\bar{N}}(2N+1848-B_{\bar{N}}(2N+1845))$$

$$= B_{\bar{N}}(2N+1848-(N+2340)) + B_{\bar{N}}(2N+1848-(2N+1579)) + B_{\bar{N}}(2N+1848-(N+2336))$$

$$= B_{\bar{N}}(N-492) + B_{\bar{N}}(269) + B_{\bar{N}}(N-488) = (N-492) + 269 + (N-488) = 2N-711$$

$$(N \ge 493)$$

$$B_{\bar{N}}(2N+1849) = B_{\bar{N}}(2N+1849 - B_{\bar{N}}(2N+1848)) + B_{\bar{N}}(2N+1849 - B_{\bar{N}}(2N+1847)) + B_{\bar{N}}(2N+1849 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1850) = B_{\bar{N}}(2N+1850 - B_{\bar{N}}(2N+1849)) + B_{\bar{N}}(2N+1850 - B_{\bar{N}}(2N+1848)) + B_{\bar{N}}(2N+1850 - B_{\bar{N}}(2N+1847))$$

$$= B_{\bar{N}}(2N+1850 - (N+2339)) + B_{\bar{N}}(2N+1850 - (2N-711)) + B_{\bar{N}}(2N+1850 - (N+2340))$$

$$= B_{\bar{N}}(N-489) + B_{\bar{N}}(2561) + B_{\bar{N}}(N-490) = (N-489) + 2561 + (N-490) = 2N+1582$$

$$(N \ge 2561)$$

$$B_{\bar{N}}(2N+1851) = B_{\bar{N}}(2N+1851 - B_{\bar{N}}(2N+1850)) + B_{\bar{N}}(2N+1851 - B_{\bar{N}}(2N+1849)) + B_{\bar{N}}(2N+1851 - B_{\bar{N}}(2N+1848))$$

$$= B_{\bar{N}}(2N+1851 - (2N+1582)) + B_{\bar{N}}(2N+1851 - (N+2339)) + B_{\bar{N}}(2N+1851 - (2N-711))$$

$$= B_{\bar{N}}(269) + B_{\bar{N}}(N-488) + B_{\bar{N}}(2562) = 269 + (N-488) + 2562 = N + 2343$$

$$(N \ge 2562)$$

$$B_{\bar{N}}(2N+1852) = B_{\bar{N}}(2N+1852 - B_{\bar{N}}(2N+1851)) + B_{\bar{N}}(2N+1852 - B_{\bar{N}}(2N+1850)) + B_{\bar{N}}(2N+1852 - B_{\bar{N}}(2N+1849))$$

$$= B_{\bar{N}}(2N+1852 - (N+2343)) + B_{\bar{N}}(2N+1852 - (2N+1582)) + B_{\bar{N}}(2N+1852 - (N+2339))$$

$$= B_{\bar{N}}(N-491) + B_{\bar{N}}(270) + B_{\bar{N}}(N-487) = (N-491) + 270 + (N-487) = 2N-708$$

$$(N \ge 492)$$

$$B_{\bar{N}}(2N+1853) = B_{\bar{N}}(2N+1853-B_{\bar{N}}(2N+1852)) + B_{\bar{N}}(2N+1853-B_{\bar{N}}(2N+1851)) + B_{\bar{N}}(2N+1853-B_{\bar{N}}(2N+1850))$$

$$= B_{\bar{N}}(2N+1853-(2N-708)) + B_{\bar{N}}(2N+1853-(N+2343)) + B_{\bar{N}}(2N+1853-(2N+1582))$$

$$= B_{\bar{N}}(2561) + B_{\bar{N}}(N-490) + B_{\bar{N}}(271) = 2561 + (N-490) + 271 = N + 2342$$

$$(N \ge 2561)$$

$$B_{\bar{N}}(2N+1854) = B_{\bar{N}}(2N+1854 - B_{\bar{N}}(2N+1853)) + B_{\bar{N}}(2N+1854 - B_{\bar{N}}(2N+1852)) + B_{\bar{N}}(2N+1854 - B_{\bar{N}}(2N+1851))$$

$$= B_{\bar{N}}(2N+1854 - (N+2342)) + B_{\bar{N}}(2N+1854 - (2N-708)) + B_{\bar{N}}(2N+1854 - (N+2343))$$

$$= B_{\bar{N}}(N-488) + B_{\bar{N}}(2562) + B_{\bar{N}}(N-489) = (N-488) + 2562 + (N-489) = 2N+1585$$

$$(N \ge 2562)$$

$$B_{\bar{N}}(2N+1855) = B_{\bar{N}}(2N+1855 - B_{\bar{N}}(2N+1854)) + B_{\bar{N}}(2N+1855 - B_{\bar{N}}(2N+1853)) + B_{\bar{N}}(2N+1855 - B_{\bar{N}}(2N+1852))$$

$$= B_{\bar{N}}(2N+1855 - (2N+1585)) + B_{\bar{N}}(2N+1855 - (N+2342)) + B_{\bar{N}}(2N+1855 - (2N-708))$$

$$= B_{\bar{N}}(270) + B_{\bar{N}}(N-487) + B_{\bar{N}}(2563) = 270 + (N-487) + 2563 = N + 2346$$

$$(N \ge 2563)$$

$$B_{\bar{N}}(2N+1856) = B_{\bar{N}}(2N+1856-B_{\bar{N}}(2N+1855)) + B_{\bar{N}}(2N+1856-B_{\bar{N}}(2N+1854)) + B_{\bar{N}}(2N+1856-B_{\bar{N}}(2N+1853))$$

$$= B_{\bar{N}}(2N+1856-(N+2346)) + B_{\bar{N}}(2N+1856-(2N+1585)) + B_{\bar{N}}(2N+1856-(N+2342))$$

$$= B_{\bar{N}}(N-490) + B_{\bar{N}}(271) + B_{\bar{N}}(N-486) = (N-490) + 271 + (N-486) = 2N-705$$

$$(N \ge 491)$$

$$B_{\bar{N}}(2N+1857) = B_{\bar{N}}(2N+1857 - B_{\bar{N}}(2N+1856)) + B_{\bar{N}}(2N+1857 - B_{\bar{N}}(2N+1857)) + B_{\bar{N}}(2N+1857 - B_{\bar{N}}(2N+1854))$$

$$= B_{\bar{N}}(2N+1857 - (2N-705)) + B_{\bar{N}}(2N+1857 - (N+2346)) + B_{\bar{N}}(2N+1857 - (2N+1585))$$

$$= B_{\bar{N}}(2562) + B_{\bar{N}}(N-489) + B_{\bar{N}}(272) = 2562 + (N-489) + 272 = N + 2345$$

$$(N \ge 2562)$$

$$B_{\bar{N}}(2N+1858) = B_{\bar{N}}(2N+1858-B_{\bar{N}}(2N+1857)) + B_{\bar{N}}(2N+1858-B_{\bar{N}}(2N+1856)) + B_{\bar{N}}(2N+1858-B_{\bar{N}}(2N+1855)) + B_{\bar{N}}(2N+1858-(N+2345)) + B_{\bar{N}}(2N+1858-(2N-705)) + B_{\bar{N}}(2N+1858-(N+2346)) + B_{\bar{N}}(N-487) + B_{\bar{N}}(2563) + B_{\bar{N}}(N-488) = (N-487) + 2563 + (N-488) = 2N+1588$$

$$(N \ge 2563)$$

$$B_{\bar{N}}(2N+1859) = B_{\bar{N}}(2N+1859 - B_{\bar{N}}(2N+1858)) + B_{\bar{N}}(2N+1859 - B_{\bar{N}}(2N+1857)) + B_{\bar{N}}(2N+1859 - B_{\bar{N}}(2N+1859))$$

$$= B_{\bar{N}}(2N+1859 - (2N+1588)) + B_{\bar{N}}(2N+1859 - (N+2345)) + B_{\bar{N}}(2N+1859 - (2N-705))$$

$$= B_{\bar{N}}(271) + B_{\bar{N}}(N-486) + B_{\bar{N}}(2564) = 271 + (N-486) + 2564 = N + 2349$$

$$(N \ge 2564)$$

$$B_{\bar{N}}(2N+1860) = B_{\bar{N}}(2N+1860 - B_{\bar{N}}(2N+1859)) + B_{\bar{N}}(2N+1860 - B_{\bar{N}}(2N+1858)) + B_{\bar{N}}(2N+1860 - B_{\bar{N}}(2N+1857))$$

$$= B_{\bar{N}}(2N+1860 - (N+2349)) + B_{\bar{N}}(2N+1860 - (2N+1588)) + B_{\bar{N}}(2N+1860 - (N+2345))$$

$$= B_{\bar{N}}(N-489) + B_{\bar{N}}(272) + B_{\bar{N}}(N-485) = (N-489) + 272 + (N-485) = 2N-702$$

$$(N \ge 490)$$

$$B_{\bar{N}}(2N+1861) = B_{\bar{N}}(2N+1861 - B_{\bar{N}}(2N+1860)) + B_{\bar{N}}(2N+1861 - B_{\bar{N}}(2N+1859)) + B_{\bar{N}}(2N+1861 - B_{\bar{N}}(2N+1858))$$

$$= B_{\bar{N}}(2N+1861 - (2N-702)) + B_{\bar{N}}(2N+1861 - (N+2349)) + B_{\bar{N}}(2N+1861 - (2N+1588))$$

$$= B_{\bar{N}}(2563) + B_{\bar{N}}(N-488) + B_{\bar{N}}(273) = 2563 + (N-488) + 273 = N + 2348$$

$$(N \ge 2563)$$

$$B_{\bar{N}}(2N+1862) = B_{\bar{N}}(2N+1862 - B_{\bar{N}}(2N+1861)) + B_{\bar{N}}(2N+1862 - B_{\bar{N}}(2N+1860)) + B_{\bar{N}}(2N+1862 - B_{\bar{N}}(2N+1859))$$

$$= B_{\bar{N}}(2N+1862 - (N+2348)) + B_{\bar{N}}(2N+1862 - (2N-702)) + B_{\bar{N}}(2N+1862 - (N+2349))$$

$$= B_{\bar{N}}(N-486) + B_{\bar{N}}(2564) + B_{\bar{N}}(N-487) = (N-486) + 2564 + (N-487) = 2N+1591$$

$$(N \ge 2564)$$

$$B_{\bar{N}}(2N+1863) = B_{\bar{N}}(2N+1863 - B_{\bar{N}}(2N+1862)) + B_{\bar{N}}(2N+1863 - B_{\bar{N}}(2N+1861)) + B_{\bar{N}}(2N+1863 - B_{\bar{N}}(2N+1863))$$

$$= B_{\bar{N}}(2N+1863 - (2N+1591)) + B_{\bar{N}}(2N+1863 - (N+2348)) + B_{\bar{N}}(2N+1863 - (2N-702))$$

$$= B_{\bar{N}}(272) + B_{\bar{N}}(N-485) + B_{\bar{N}}(2565) = 272 + (N-485) + 2565 = N + 2352$$

$$(N \ge 2565)$$

$$B_{\bar{N}}(2N+1864) = B_{\bar{N}}(2N+1864-B_{\bar{N}}(2N+1863)) + B_{\bar{N}}(2N+1864-B_{\bar{N}}(2N+1862)) + B_{\bar{N}}(2N+1864-B_{\bar{N}}(2N+1861))$$

$$= B_{\bar{N}}(2N+1864-(N+2352)) + B_{\bar{N}}(2N+1864-(2N+1591)) + B_{\bar{N}}(2N+1864-(N+2348))$$

$$= B_{\bar{N}}(N-488) + B_{\bar{N}}(273) + B_{\bar{N}}(N-484) = (N-488) + 273 + (N-484) = 2N-699$$

$$(N \ge 489)$$

$$B_{\bar{N}}(2N+1865) = B_{\bar{N}}(2N+1865-B_{\bar{N}}(2N+1864)) + B_{\bar{N}}(2N+1865-B_{\bar{N}}(2N+1863)) + B_{\bar{N}}(2N+1865-B_{\bar{N}}(2N+1862))$$

$$= B_{\bar{N}}(2N+1865-(2N-699)) + B_{\bar{N}}(2N+1865-(N+2352)) + B_{\bar{N}}(2N+1865-(2N+1591))$$

$$= B_{\bar{N}}(2564) + B_{\bar{N}}(N-487) + B_{\bar{N}}(274) = 2564 + (N-487) + 274 = N + 2351$$

$$(N \ge 2564)$$

$$B_{\bar{N}}(2N+1866) = B_{\bar{N}}(2N+1866-B_{\bar{N}}(2N+1865)) + B_{\bar{N}}(2N+1866-B_{\bar{N}}(2N+1864)) + B_{\bar{N}}(2N+1866-B_{\bar{N}}(2N+1863))$$

$$= B_{\bar{N}}(2N+1866-(N+2351)) + B_{\bar{N}}(2N+1866-(2N-699)) + B_{\bar{N}}(2N+1866-(N+2352))$$

$$= B_{\bar{N}}(N-485) + B_{\bar{N}}(2565) + B_{\bar{N}}(N-486) = (N-485) + 2565 + (N-486) = 2N+1594$$

$$(N \ge 2565)$$

$$B_{\bar{N}}(2N+1867) = B_{\bar{N}}(2N+1867 - B_{\bar{N}}(2N+1866)) + B_{\bar{N}}(2N+1867 - B_{\bar{N}}(2N+1865)) + B_{\bar{N}}(2N+1867 - B_{\bar{N}}(2N+1864))$$

$$= B_{\bar{N}}(2N+1867 - (2N+1594)) + B_{\bar{N}}(2N+1867 - (N+2351)) + B_{\bar{N}}(2N+1867 - (2N-699))$$

$$= B_{\bar{N}}(273) + B_{\bar{N}}(N-484) + B_{\bar{N}}(2566) = 273 + (N-484) + 2566 = N+2355$$

$$(N \ge 2566)$$

$$B_{\bar{N}}(2N+1868) = B_{\bar{N}}(2N+1868-B_{\bar{N}}(2N+1867)) + B_{\bar{N}}(2N+1868-B_{\bar{N}}(2N+1866)) + B_{\bar{N}}(2N+1868-B_{\bar{N}}(2N+1865))$$

$$= B_{\bar{N}}(2N+1868-(N+2355)) + B_{\bar{N}}(2N+1868-(2N+1594)) + B_{\bar{N}}(2N+1868-(N+2351))$$

$$= B_{\bar{N}}(N-487) + B_{\bar{N}}(274) + B_{\bar{N}}(N-483) = (N-487) + 274 + (N-483) = 2N-696$$

$$(N \ge 488)$$

$$B_{\bar{N}}(2N+1869) = B_{\bar{N}}(2N+1869 - B_{\bar{N}}(2N+1868)) + B_{\bar{N}}(2N+1869 - B_{\bar{N}}(2N+1867)) + B_{\bar{N}}(2N+1869 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1870) = B_{\bar{N}}(2N+1870 - B_{\bar{N}}(2N+1869)) + B_{\bar{N}}(2N+1870 - B_{\bar{N}}(2N+1868)) + B_{\bar{N}}(2N+1870 - B_{\bar{N}}(2N+1867))$$

$$= B_{\bar{N}}(2N+1870 - (N+2354)) + B_{\bar{N}}(2N+1870 - (2N-696)) + B_{\bar{N}}(2N+1870 - (N+2355))$$

$$= B_{\bar{N}}(N-484) + B_{\bar{N}}(2566) + B_{\bar{N}}(N-485) = (N-484) + 2566 + (N-485) = 2N+1597$$

$$(N \ge 2566)$$

$$B_{\bar{N}}(2N+1871) = B_{\bar{N}}(2N+1871-B_{\bar{N}}(2N+1870)) + B_{\bar{N}}(2N+1871-B_{\bar{N}}(2N+1869)) + B_{\bar{N}}(2N+1871-B_{\bar{N}}(2N+1868))$$

$$= B_{\bar{N}}(2N+1871-(2N+1597)) + B_{\bar{N}}(2N+1871-(N+2354)) + B_{\bar{N}}(2N+1871-(2N-696))$$

$$= B_{\bar{N}}(274) + B_{\bar{N}}(N-483) + B_{\bar{N}}(2567) = 274 + (N-483) + 2567 = N + 2358$$

$$(N > 2567)$$

$$B_{\bar{N}}(2N+1872) = B_{\bar{N}}(2N+1872 - B_{\bar{N}}(2N+1871)) + B_{\bar{N}}(2N+1872 - B_{\bar{N}}(2N+1870)) + B_{\bar{N}}(2N+1872 - B_{\bar{N}}(2N+1869))$$

$$= B_{\bar{N}}(2N+1872 - (N+2358)) + B_{\bar{N}}(2N+1872 - (2N+1597)) + B_{\bar{N}}(2N+1872 - (N+2354))$$

$$= B_{\bar{N}}(N-486) + B_{\bar{N}}(275) + B_{\bar{N}}(N-482) = (N-486) + 275 + (N-482) = 2N-693$$

$$(N \ge 487)$$

$$B_{\bar{N}}(2N+1873) = B_{\bar{N}}(2N+1873 - B_{\bar{N}}(2N+1872)) + B_{\bar{N}}(2N+1873 - B_{\bar{N}}(2N+1871)) + B_{\bar{N}}(2N+1873 - B_{\bar{N}}(2N+1870))$$

$$= B_{\bar{N}}(2N+1873 - (2N-693)) + B_{\bar{N}}(2N+1873 - (N+2358)) + B_{\bar{N}}(2N+1873 - (2N+1597))$$

$$= B_{\bar{N}}(2566) + B_{\bar{N}}(N-485) + B_{\bar{N}}(276) = 2566 + (N-485) + 276 = N+2357$$

$$(N \ge 2566)$$

$$B_{\bar{N}}(2N+1874) = B_{\bar{N}}(2N+1874 - B_{\bar{N}}(2N+1873)) + B_{\bar{N}}(2N+1874 - B_{\bar{N}}(2N+1872)) + B_{\bar{N}}(2N+1874 - B_{\bar{N}}(2N+1871))$$

$$= B_{\bar{N}}(2N+1874 - (N+2357)) + B_{\bar{N}}(2N+1874 - (2N-693)) + B_{\bar{N}}(2N+1874 - (N+2358))$$

$$= B_{\bar{N}}(N-483) + B_{\bar{N}}(2567) + B_{\bar{N}}(N-484) = (N-483) + 2567 + (N-484) = 2N+1600$$

$$(N \ge 2567)$$

$$B_{\bar{N}}(2N+1875) = B_{\bar{N}}(2N+1875 - B_{\bar{N}}(2N+1874)) + B_{\bar{N}}(2N+1875 - B_{\bar{N}}(2N+1873)) + B_{\bar{N}}(2N+1875 - B_{\bar{N}}(2N+1875))$$

$$= B_{\bar{N}}(2N+1875 - (2N+1600)) + B_{\bar{N}}(2N+1875 - (N+2357)) + B_{\bar{N}}(2N+1875 - (2N-693))$$

$$= B_{\bar{N}}(275) + B_{\bar{N}}(N-482) + B_{\bar{N}}(2568) = 275 + (N-482) + 2568 = N + 2361$$

$$(N \ge 2568)$$

$$B_{\bar{N}}(2N+1876) = B_{\bar{N}}(2N+1876 - B_{\bar{N}}(2N+1875)) + B_{\bar{N}}(2N+1876 - B_{\bar{N}}(2N+1874)) + B_{\bar{N}}(2N+1876 - B_{\bar{N}}(2N+1873))$$

$$= B_{\bar{N}}(2N+1876 - (N+2361)) + B_{\bar{N}}(2N+1876 - (2N+1600)) + B_{\bar{N}}(2N+1876 - (N+2357))$$

$$= B_{\bar{N}}(N-485) + B_{\bar{N}}(276) + B_{\bar{N}}(N-481) = (N-485) + 276 + (N-481) = 2N-690$$

$$(N > 486)$$

$$B_{\bar{N}}(2N+1877) = B_{\bar{N}}(2N+1877 - B_{\bar{N}}(2N+1876)) + B_{\bar{N}}(2N+1877 - B_{\bar{N}}(2N+1875)) + B_{\bar{N}}(2N+1877 - B_{\bar{N}}(2N+1874))$$

$$= B_{\bar{N}}(2N+1877 - (2N-690)) + B_{\bar{N}}(2N+1877 - (N+2361)) + B_{\bar{N}}(2N+1877 - (2N+1600))$$

$$= B_{\bar{N}}(2567) + B_{\bar{N}}(N-484) + B_{\bar{N}}(277) = 2567 + (N-484) + 277 = N + 2360$$

$$(N > 2567)$$

$$B_{\bar{N}}(2N+1878) = B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1877)) + B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1876)) + B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2N+1878-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+1879) = B_{\bar{N}}(2N+1879 - B_{\bar{N}}(2N+1878)) + B_{\bar{N}}(2N+1879 - B_{\bar{N}}(2N+1877)) + B_{\bar{N}}(2N+1879 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1880) = B_{\bar{N}}(2N+1880 - B_{\bar{N}}(2N+1879)) + B_{\bar{N}}(2N+1880 - B_{\bar{N}}(2N+1878)) + B_{\bar{N}}(2N+1880 - B_{\bar{N}}(2N+1877))$$

$$= B_{\bar{N}}(2N+1880 - (N+2364)) + B_{\bar{N}}(2N+1880 - (2N+1603)) + B_{\bar{N}}(2N+1880 - (N+2360))$$

$$= B_{\bar{N}}(N-484) + B_{\bar{N}}(277) + B_{\bar{N}}(N-480) = (N-484) + 277 + (N-480) = 2N-687$$

$$(N \ge 485)$$

$$B_{\bar{N}}(2N+1881) = B_{\bar{N}}(2N+1881-B_{\bar{N}}(2N+1880)) + B_{\bar{N}}(2N+1881-B_{\bar{N}}(2N+1879)) + B_{\bar{N}}(2N+1881-B_{\bar{N}}(2N+1878))$$

$$= B_{\bar{N}}(2N+1881-(2N-687)) + B_{\bar{N}}(2N+1881-(N+2364)) + B_{\bar{N}}(2N+1881-(2N+1603))$$

$$= B_{\bar{N}}(2568) + B_{\bar{N}}(N-483) + B_{\bar{N}}(278) = 2568 + (N-483) + 278 = N + 2363$$

$$(N \ge 2568)$$

$$B_{\bar{N}}(2N+1882) = B_{\bar{N}}(2N+1882 - B_{\bar{N}}(2N+1881)) + B_{\bar{N}}(2N+1882 - B_{\bar{N}}(2N+1880)) + B_{\bar{N}}(2N+1882 - B_{\bar{N}}(2N+1879))$$

$$= B_{\bar{N}}(2N+1882 - (N+2363)) + B_{\bar{N}}(2N+1882 - (2N-687)) + B_{\bar{N}}(2N+1882 - (N+2364))$$

$$= B_{\bar{N}}(N-481) + B_{\bar{N}}(2569) + B_{\bar{N}}(N-482) = (N-481) + 2569 + (N-482) = 2N+1606$$

$$(N \ge 2569)$$

$$B_{\bar{N}}(2N+1883) = B_{\bar{N}}(2N+1883 - B_{\bar{N}}(2N+1882)) + B_{\bar{N}}(2N+1883 - B_{\bar{N}}(2N+1881)) + B_{\bar{N}}(2N+1883 - B_{\bar{N}}(2N+1880))$$

$$= B_{\bar{N}}(2N+1883 - (2N+1606)) + B_{\bar{N}}(2N+1883 - (N+2363)) + B_{\bar{N}}(2N+1883 - (2N-687))$$

$$= B_{\bar{N}}(277) + B_{\bar{N}}(N-480) + B_{\bar{N}}(2570) = 277 + (N-480) + 2570 = N + 2367$$

$$(N \ge 2570)$$

$$B_{\bar{N}}(2N+1884) = B_{\bar{N}}(2N+1884 - B_{\bar{N}}(2N+1883)) + B_{\bar{N}}(2N+1884 - B_{\bar{N}}(2N+1882)) + B_{\bar{N}}(2N+1884 - B_{\bar{N}}(2N+1881))$$

$$= B_{\bar{N}}(2N+1884 - (N+2367)) + B_{\bar{N}}(2N+1884 - (2N+1606)) + B_{\bar{N}}(2N+1884 - (N+2363))$$

$$= B_{\bar{N}}(N-483) + B_{\bar{N}}(278) + B_{\bar{N}}(N-479) = (N-483) + 278 + (N-479) = 2N-684$$

$$(N \ge 484)$$

$$B_{\bar{N}}(2N+1885) = B_{\bar{N}}(2N+1885 - B_{\bar{N}}(2N+1884)) + B_{\bar{N}}(2N+1885 - B_{\bar{N}}(2N+1883)) + B_{\bar{N}}(2N+1885 - B_{\bar{N}}(2N+1882))$$

$$= B_{\bar{N}}(2N+1885 - (2N-684)) + B_{\bar{N}}(2N+1885 - (N+2367)) + B_{\bar{N}}(2N+1885 - (2N+1606))$$

$$= B_{\bar{N}}(2569) + B_{\bar{N}}(N-482) + B_{\bar{N}}(279) = 2569 + (N-482) + 279 = N + 2366$$

$$(N \ge 2569)$$

$$B_{\bar{N}}(2N+1886) = B_{\bar{N}}(2N+1886-B_{\bar{N}}(2N+1885)) + B_{\bar{N}}(2N+1886-B_{\bar{N}}(2N+1884)) + B_{\bar{N}}(2N+1886-B_{\bar{N}}(2N+1883))$$

$$= B_{\bar{N}}(2N+1886-(N+2366)) + B_{\bar{N}}(2N+1886-(2N-684)) + B_{\bar{N}}(2N+1886-(N+2367))$$

$$= B_{\bar{N}}(N-480) + B_{\bar{N}}(2570) + B_{\bar{N}}(N-481) = (N-480) + 2570 + (N-481) = 2N+1609$$

$$(N \ge 2570)$$

$$B_{\bar{N}}(2N+1887) = B_{\bar{N}}(2N+1887 - B_{\bar{N}}(2N+1886)) + B_{\bar{N}}(2N+1887 - B_{\bar{N}}(2N+1885)) + B_{\bar{N}}(2N+1887 - B_{\bar{N}}(2N+1884))$$

$$= B_{\bar{N}}(2N+1887 - (2N+1609)) + B_{\bar{N}}(2N+1887 - (N+2366)) + B_{\bar{N}}(2N+1887 - (2N-684))$$

$$= B_{\bar{N}}(278) + B_{\bar{N}}(N-479) + B_{\bar{N}}(2571) = 278 + (N-479) + 2571 = N + 2370$$

$$(N \ge 2571)$$

$$B_{\bar{N}}(2N+1888) = B_{\bar{N}}(2N+1888-B_{\bar{N}}(2N+1887)) + B_{\bar{N}}(2N+1888-B_{\bar{N}}(2N+1886)) + B_{\bar{N}}(2N+1888-B_{\bar{N}}(2N+1885))$$

$$= B_{\bar{N}}(2N+1888-(N+2370)) + B_{\bar{N}}(2N+1888-(2N+1609)) + B_{\bar{N}}(2N+1888-(N+2366))$$

$$= B_{\bar{N}}(N-482) + B_{\bar{N}}(279) + B_{\bar{N}}(N-478) = (N-482) + 279 + (N-478) = 2N-681$$

$$(N \ge 483)$$

$$B_{\bar{N}}(2N+1889) = B_{\bar{N}}(2N+1889 - B_{\bar{N}}(2N+1888)) + B_{\bar{N}}(2N+1889 - B_{\bar{N}}(2N+1887)) + B_{\bar{N}}(2N+1889 - B_{\bar{N$$

$$B_{\bar{N}}(2N+1890) = B_{\bar{N}}(2N+1890 - B_{\bar{N}}(2N+1889)) + B_{\bar{N}}(2N+1890 - B_{\bar{N}}(2N+1888)) + B_{\bar{N}}(2N+1890 - B_{\bar{N}}(2N+1887))$$

$$= B_{\bar{N}}(2N+1890 - (N+2369)) + B_{\bar{N}}(2N+1890 - (2N-681)) + B_{\bar{N}}(2N+1890 - (N+2370))$$

$$= B_{\bar{N}}(N-479) + B_{\bar{N}}(2571) + B_{\bar{N}}(N-480) = (N-479) + 2571 + (N-480) = 2N+1612$$

$$(N \ge 2571)$$

$$B_{\bar{N}}(2N+1891) = B_{\bar{N}}(2N+1891-B_{\bar{N}}(2N+1890)) + B_{\bar{N}}(2N+1891-B_{\bar{N}}(2N+1889)) + B_{\bar{N}}(2N+1891-B_{\bar{N}}(2N+1888))$$

$$= B_{\bar{N}}(2N+1891-(2N+1612)) + B_{\bar{N}}(2N+1891-(N+2369)) + B_{\bar{N}}(2N+1891-(2N-681))$$

$$= B_{\bar{N}}(279) + B_{\bar{N}}(N-478) + B_{\bar{N}}(2572) = 279 + (N-478) + 2572 = N + 2373$$

$$(N \ge 2572)$$

$$B_{\bar{N}}(2N+1892) = B_{\bar{N}}(2N+1892 - B_{\bar{N}}(2N+1891)) + B_{\bar{N}}(2N+1892 - B_{\bar{N}}(2N+1890)) + B_{\bar{N}}(2N+1892 - B_{\bar{N}}(2N+1892))$$

$$= B_{\bar{N}}(2N+1892 - (N+2373)) + B_{\bar{N}}(2N+1892 - (2N+1612)) + B_{\bar{N}}(2N+1892 - (N+2369))$$

$$= B_{\bar{N}}(N-481) + B_{\bar{N}}(280) + B_{\bar{N}}(N-477) = (N-481) + 280 + (N-477) = 2N-678$$

$$(N \ge 482)$$

$$B_{\bar{N}}(2N+1893) = B_{\bar{N}}(2N+1893-B_{\bar{N}}(2N+1892)) + B_{\bar{N}}(2N+1893-B_{\bar{N}}(2N+1891)) + B_{\bar{N}}(2N+1893-B_{\bar{N}}(2N+1890))$$

$$= B_{\bar{N}}(2N+1893-(2N-678)) + B_{\bar{N}}(2N+1893-(N+2373)) + B_{\bar{N}}(2N+1893-(2N+1612))$$

$$= B_{\bar{N}}(2571) + B_{\bar{N}}(N-480) + B_{\bar{N}}(281) = 2571 + (N-480) + 281 = N + 2372$$

$$(N \ge 2571)$$

$$B_{\bar{N}}(2N+1894) = B_{\bar{N}}(2N+1894 - B_{\bar{N}}(2N+1893)) + B_{\bar{N}}(2N+1894 - B_{\bar{N}}(2N+1892)) + B_{\bar{N}}(2N+1894 - B_{\bar{N}}(2N+1891))$$

$$= B_{\bar{N}}(2N+1894 - (N+2372)) + B_{\bar{N}}(2N+1894 - (2N-678)) + B_{\bar{N}}(2N+1894 - (N+2373))$$

$$= B_{\bar{N}}(N-478) + B_{\bar{N}}(2572) + B_{\bar{N}}(N-479) = (N-478) + 2572 + (N-479) = 2N+1615$$

$$(N \ge 2572)$$

$$B_{\bar{N}}(2N+1895) = B_{\bar{N}}(2N+1895 - B_{\bar{N}}(2N+1894)) + B_{\bar{N}}(2N+1895 - B_{\bar{N}}(2N+1893)) + B_{\bar{N}}(2N+1895 - B_{\bar{N}}(2N+1895))$$

$$= B_{\bar{N}}(2N+1895 - (2N+1615)) + B_{\bar{N}}(2N+1895 - (N+2372)) + B_{\bar{N}}(2N+1895 - (2N-678))$$

$$= B_{\bar{N}}(280) + B_{\bar{N}}(N-477) + B_{\bar{N}}(2573) = 280 + (N-477) + 2573 = N + 2376$$

$$(N \ge 2573)$$

$$B_{\bar{N}}(2N+1896) = B_{\bar{N}}(2N+1896-B_{\bar{N}}(2N+1895)) + B_{\bar{N}}(2N+1896-B_{\bar{N}}(2N+1894)) + B_{\bar{N}}(2N+1896-B_{\bar{N}}(2N+1893))$$

$$= B_{\bar{N}}(2N+1896-(N+2376)) + B_{\bar{N}}(2N+1896-(2N+1615)) + B_{\bar{N}}(2N+1896-(N+2372))$$

$$= B_{\bar{N}}(N-480) + B_{\bar{N}}(281) + B_{\bar{N}}(N-476) = (N-480) + 281 + (N-476) = 2N-675$$

$$(N \ge 481)$$

$$B_{\bar{N}}(2N+1897) = B_{\bar{N}}(2N+1897 - B_{\bar{N}}(2N+1896)) + B_{\bar{N}}(2N+1897 - B_{\bar{N}}(2N+1895)) + B_{\bar{N}}(2N+1897 - B_{\bar{N}}(2N+1894))$$

$$= B_{\bar{N}}(2N+1897 - (2N-675)) + B_{\bar{N}}(2N+1897 - (N+2376)) + B_{\bar{N}}(2N+1897 - (2N+1615))$$

$$= B_{\bar{N}}(2572) + B_{\bar{N}}(N-479) + B_{\bar{N}}(282) = 2572 + (N-479) + 282 = N + 2375$$

$$(N \ge 2572)$$

$$B_{\bar{N}}(2N+1898) = B_{\bar{N}}(2N+1898-B_{\bar{N}}(2N+1897)) + B_{\bar{N}}(2N+1898-B_{\bar{N}}(2N+1896)) + B_{\bar{N}}(2N+1898-B_{\bar{N}}(2N+1895))$$

$$= B_{\bar{N}}(2N+1898-(N+2375)) + B_{\bar{N}}(2N+1898-(2N-675)) + B_{\bar{N}}(2N+1898-(N+2376))$$

$$= B_{\bar{N}}(N-477) + B_{\bar{N}}(2573) + B_{\bar{N}}(N-478) = (N-477) + 2573 + (N-478) = 2N+1618$$

$$(N \ge 2573)$$

$$B_{\bar{N}}(2N+1899) = B_{\bar{N}}(2N+1899 - B_{\bar{N}}(2N+1898)) + B_{\bar{N}}(2N+1899 - B_{\bar{N}}(2N+1897)) + B_{\bar{N}}(2N+1899 - B_{\bar{N}}(2N+1896))$$

$$= B_{\bar{N}}(2N+1899 - (2N+1618)) + B_{\bar{N}}(2N+1899 - (N+2375)) + B_{\bar{N}}(2N+1899 - (2N-675))$$

$$= B_{\bar{N}}(281) + B_{\bar{N}}(N-476) + B_{\bar{N}}(2574) = 281 + (N-476) + 2574 = N + 2379$$

$$(N \ge 2574)$$

$$B_{\bar{N}}(2N+1900) = B_{\bar{N}}(2N+1900 - B_{\bar{N}}(2N+1899)) + B_{\bar{N}}(2N+1900 - B_{\bar{N}}(2N+1898)) + B_{\bar{N}}(2N+1900 - B_{\bar{N}}(2N+1897))$$

$$= B_{\bar{N}}(2N+1900 - (N+2379)) + B_{\bar{N}}(2N+1900 - (2N+1618)) + B_{\bar{N}}(2N+1900 - (N+2375))$$

$$= B_{\bar{N}}(N-479) + B_{\bar{N}}(282) + B_{\bar{N}}(N-475) = (N-479) + 282 + (N-475) = 2N-672$$

$$(N \ge 480)$$

$$B_{\bar{N}}(2N+1901) = B_{\bar{N}}(2N+1901-B_{\bar{N}}(2N+1900)) + B_{\bar{N}}(2N+1901-B_{\bar{N}}(2N+1899)) + B_{\bar{N}}(2N+1901-B_{\bar{N}}(2N+1898))$$

$$= B_{\bar{N}}(2N+1901-(2N-672)) + B_{\bar{N}}(2N+1901-(N+2379)) + B_{\bar{N}}(2N+1901-(2N+1618))$$

$$= B_{\bar{N}}(2573) + B_{\bar{N}}(N-478) + B_{\bar{N}}(283) = 2573 + (N-478) + 283 = N + 2378$$

$$(N \ge 2573)$$

$$B_{\bar{N}}(2N+1902) = B_{\bar{N}}(2N+1902-B_{\bar{N}}(2N+1901)) + B_{\bar{N}}(2N+1902-B_{\bar{N}}(2N+1900)) + B_{\bar{N}}(2N+1902-B_{\bar{N}}(2N+1899))$$

$$= B_{\bar{N}}(2N+1902-(N+2378)) + B_{\bar{N}}(2N+1902-(2N-672)) + B_{\bar{N}}(2N+1902-(N+2379))$$

$$= B_{\bar{N}}(N-476) + B_{\bar{N}}(2574) + B_{\bar{N}}(N-477) = (N-476) + 2574 + (N-477) = 2N+1621$$

$$(N \ge 2574)$$

$$B_{\bar{N}}(2N+1903) = B_{\bar{N}}(2N+1903-B_{\bar{N}}(2N+1902)) + B_{\bar{N}}(2N+1903-B_{\bar{N}}(2N+1901)) + B_{\bar{N}}(2N+1903-B_{\bar{N}}(2N+1900))$$

$$= B_{\bar{N}}(2N+1903-(2N+1621)) + B_{\bar{N}}(2N+1903-(N+2378)) + B_{\bar{N}}(2N+1903-(2N-672))$$

$$= B_{\bar{N}}(282) + B_{\bar{N}}(N-475) + B_{\bar{N}}(2575) = 282 + (N-475) + 2575 = N + 2382$$

$$(N \ge 2575)$$

$$B_{\bar{N}}(2N+1904) = B_{\bar{N}}(2N+1904-B_{\bar{N}}(2N+1903)) + B_{\bar{N}}(2N+1904-B_{\bar{N}}(2N+1902)) + B_{\bar{N}}(2N+1904-B_{\bar{N}}(2N+1901))$$

$$= B_{\bar{N}}(2N+1904-(N+2382)) + B_{\bar{N}}(2N+1904-(2N+1621)) + B_{\bar{N}}(2N+1904-(N+2378))$$

$$= B_{\bar{N}}(N-478) + B_{\bar{N}}(283) + B_{\bar{N}}(N-474) = (N-478) + 283 + (N-474) = 2N-669$$

$$(N \ge 479)$$

$$B_{\bar{N}}(2N+1905) = B_{\bar{N}}(2N+1905-B_{\bar{N}}(2N+1904)) + B_{\bar{N}}(2N+1905-B_{\bar{N}}(2N+1903)) + B_{\bar{N}}(2N+1905-B_{\bar{N}}(2N+1902))$$

$$= B_{\bar{N}}(2N+1905-(2N-669)) + B_{\bar{N}}(2N+1905-(N+2382)) + B_{\bar{N}}(2N+1905-(2N+1621))$$

$$= B_{\bar{N}}(2574) + B_{\bar{N}}(N-477) + B_{\bar{N}}(284) = 2574 + (N-477) + 284 = N + 2381$$

$$(N \ge 2574)$$

$$B_{\bar{N}}(2N+1906) = B_{\bar{N}}(2N+1906-B_{\bar{N}}(2N+1905)) + B_{\bar{N}}(2N+1906-B_{\bar{N}}(2N+1904)) + B_{\bar{N}}(2N+1906-B_{\bar{N}}(2N+1903))$$

$$= B_{\bar{N}}(2N+1906-(N+2381)) + B_{\bar{N}}(2N+1906-(2N-669)) + B_{\bar{N}}(2N+1906-(N+2382))$$

$$= B_{\bar{N}}(N-475) + B_{\bar{N}}(2575) + B_{\bar{N}}(N-476) = (N-475) + 2575 + (N-476) = 2N+1624$$

$$(N \ge 2575)$$

$$B_{\bar{N}}(2N+1907) = B_{\bar{N}}(2N+1907-B_{\bar{N}}(2N+1906)) + B_{\bar{N}}(2N+1907-B_{\bar{N}}(2N+1905)) + B_{\bar{N}}(2N+1907-B_{\bar{N}}(2N+1904))$$

$$= B_{\bar{N}}(2N+1907-(2N+1624)) + B_{\bar{N}}(2N+1907-(N+2381)) + B_{\bar{N}}(2N+1907-(2N-669))$$

$$= B_{\bar{N}}(283) + B_{\bar{N}}(N-474) + B_{\bar{N}}(2576) = 283 + (N-474) + 2576 = N+2385$$

$$(N \ge 2576)$$

$$B_{\bar{N}}(2N+1908) = B_{\bar{N}}(2N+1908-B_{\bar{N}}(2N+1907)) + B_{\bar{N}}(2N+1908-B_{\bar{N}}(2N+1906)) + B_{\bar{N}}(2N+1908-B_{\bar{N}}(2N+1905))$$

$$= B_{\bar{N}}(2N+1908-(N+2385)) + B_{\bar{N}}(2N+1908-(2N+1624)) + B_{\bar{N}}(2N+1908-(N+2381))$$

$$= B_{\bar{N}}(N-477) + B_{\bar{N}}(284) + B_{\bar{N}}(N-473) = (N-477) + 284 + (N-473) = 2N-666$$

$$(N \ge 478)$$

$$B_{\bar{N}}(2N+1909) = B_{\bar{N}}(2N+1909 - B_{\bar{N}}(2N+1908)) + B_{\bar{N}}(2N+1909 - B_{\bar{N}}(2N+1907)) + B_{\bar{N}}(2N+1909 - B_{\bar{N}}(2N+1906))$$

$$= B_{\bar{N}}(2N+1909 - (2N-666)) + B_{\bar{N}}(2N+1909 - (N+2385)) + B_{\bar{N}}(2N+1909 - (2N+1624))$$

$$= B_{\bar{N}}(2575) + B_{\bar{N}}(N-476) + B_{\bar{N}}(285) = 2575 + (N-476) + 285 = N + 2384$$

$$(N \ge 2575)$$

$$B_{\bar{N}}(2N+1910) = B_{\bar{N}}(2N+1910-B_{\bar{N}}(2N+1909)) + B_{\bar{N}}(2N+1910-B_{\bar{N}}(2N+1908)) + B_{\bar{N}}(2N+1910-B_{\bar{N}}(2N+1907))$$

$$= B_{\bar{N}}(2N+1910-(N+2384)) + B_{\bar{N}}(2N+1910-(2N-666)) + B_{\bar{N}}(2N+1910-(N+2385))$$

$$= B_{\bar{N}}(N-474) + B_{\bar{N}}(2576) + B_{\bar{N}}(N-475) = (N-474) + 2576 + (N-475) = 2N+1627$$

$$(N \ge 2576)$$

$$B_{\bar{N}}(2N+1911) = B_{\bar{N}}(2N+1911-B_{\bar{N}}(2N+1910)) + B_{\bar{N}}(2N+1911-B_{\bar{N}}(2N+1909)) + B_{\bar{N}}(2N+1911-B_{\bar{N}}(2N+1908))$$

$$= B_{\bar{N}}(2N+1911-(2N+1627)) + B_{\bar{N}}(2N+1911-(N+2384)) + B_{\bar{N}}(2N+1911-(2N-666))$$

$$= B_{\bar{N}}(284) + B_{\bar{N}}(N-473) + B_{\bar{N}}(2577) = 284 + (N-473) + 2577 = N + 2388$$

$$(N \ge 2577)$$

$$B_{\bar{N}}(2N+1912) = B_{\bar{N}}(2N+1912-B_{\bar{N}}(2N+1911)) + B_{\bar{N}}(2N+1912-B_{\bar{N}}(2N+1910)) + B_{\bar{N}}(2N+1912-B_{\bar{N}}(2N+1909))$$

$$= B_{\bar{N}}(2N+1912-(N+2388)) + B_{\bar{N}}(2N+1912-(2N+1627)) + B_{\bar{N}}(2N+1912-(N+2384))$$

$$= B_{\bar{N}}(N-476) + B_{\bar{N}}(285) + B_{\bar{N}}(N-472) = (N-476) + 285 + (N-472) = 2N-663$$

$$(N \ge 477)$$

$$B_{\bar{N}}(2N+1913) = B_{\bar{N}}(2N+1913-B_{\bar{N}}(2N+1912)) + B_{\bar{N}}(2N+1913-B_{\bar{N}}(2N+1911)) + B_{\bar{N}}(2N+1913-B_{\bar{N}}(2N+1910))$$

$$= B_{\bar{N}}(2N+1913-(2N-663)) + B_{\bar{N}}(2N+1913-(N+2388)) + B_{\bar{N}}(2N+1913-(2N+1627))$$

$$= B_{\bar{N}}(2576) + B_{\bar{N}}(N-475) + B_{\bar{N}}(286) = 2576 + (N-475) + 286 = N + 2387$$

$$(N \ge 2576)$$

$$B_{\bar{N}}(2N+1914) = B_{\bar{N}}(2N+1914-B_{\bar{N}}(2N+1913)) + B_{\bar{N}}(2N+1914-B_{\bar{N}}(2N+1912)) + B_{\bar{N}}(2N+1914-B_{\bar{N}}(2N+1911))$$

$$= B_{\bar{N}}(2N+1914-(N+2387)) + B_{\bar{N}}(2N+1914-(2N-663)) + B_{\bar{N}}(2N+1914-(N+2388))$$

$$= B_{\bar{N}}(N-473) + B_{\bar{N}}(2577) + B_{\bar{N}}(N-474) = (N-473) + 2577 + (N-474) = 2N+1630$$

$$(N \ge 2577)$$

$$B_{\bar{N}}(2N+1915) = B_{\bar{N}}(2N+1915-B_{\bar{N}}(2N+1914)) + B_{\bar{N}}(2N+1915-B_{\bar{N}}(2N+1913)) + B_{\bar{N}}(2N+1915-B_{\bar{N}}(2N+1912))$$

$$= B_{\bar{N}}(2N+1915-(2N+1630)) + B_{\bar{N}}(2N+1915-(N+2387)) + B_{\bar{N}}(2N+1915-(2N-663))$$

$$= B_{\bar{N}}(285) + B_{\bar{N}}(N-472) + B_{\bar{N}}(2578) = 285 + (N-472) + 2578 = N+2391$$

$$(N \ge 2578)$$

$$B_{\bar{N}}(2N+1916) = B_{\bar{N}}(2N+1916-B_{\bar{N}}(2N+1915)) + B_{\bar{N}}(2N+1916-B_{\bar{N}}(2N+1914)) + B_{\bar{N}}(2N+1916-B_{\bar{N}}(2N+1913))$$

$$= B_{\bar{N}}(2N+1916-(N+2391)) + B_{\bar{N}}(2N+1916-(2N+1630)) + B_{\bar{N}}(2N+1916-(N+2387))$$

$$= B_{\bar{N}}(N-475) + B_{\bar{N}}(286) + B_{\bar{N}}(N-471) = (N-475) + 286 + (N-471) = 2N-660$$

$$(N \ge 476)$$

$$B_{\bar{N}}(2N+1917) = B_{\bar{N}}(2N+1917-B_{\bar{N}}(2N+1916)) + B_{\bar{N}}(2N+1917-B_{\bar{N}}(2N+1915)) + B_{\bar{N}}(2N+1917-B_{\bar{N}}(2N+1914))$$

$$= B_{\bar{N}}(2N+1917-(2N-660)) + B_{\bar{N}}(2N+1917-(N+2391)) + B_{\bar{N}}(2N+1917-(2N+1630))$$

$$= B_{\bar{N}}(2577) + B_{\bar{N}}(N-474) + B_{\bar{N}}(287) = 2577 + (N-474) + 287 = N + 2390$$

$$(N \ge 2577)$$

$$B_{\bar{N}}(2N+1918) = B_{\bar{N}}(2N+1918-B_{\bar{N}}(2N+1917)) + B_{\bar{N}}(2N+1918-B_{\bar{N}}(2N+1916)) + B_{\bar{N}}(2N+1918-B_{\bar{N}}(2N+1915))$$

$$= B_{\bar{N}}(2N+1918-(N+2390)) + B_{\bar{N}}(2N+1918-(2N-660)) + B_{\bar{N}}(2N+1918-(N+2391))$$

$$= B_{\bar{N}}(N-472) + B_{\bar{N}}(2578) + B_{\bar{N}}(N-473) = (N-472) + 2578 + (N-473) = 2N+1633$$

$$(N \ge 2578)$$

$$B_{\bar{N}}(2N+1919) = B_{\bar{N}}(2N+1919-B_{\bar{N}}(2N+1918)) + B_{\bar{N}}(2N+1919-B_{\bar{N}}(2N+1917)) + B_{\bar{N}}(2N+1919-B_{\bar{N}}(2N+1916))$$

$$= B_{\bar{N}}(2N+1919-(2N+1633)) + B_{\bar{N}}(2N+1919-(N+2390)) + B_{\bar{N}}(2N+1919-(2N-660))$$

$$= B_{\bar{N}}(286) + B_{\bar{N}}(N-471) + B_{\bar{N}}(2579) = 286 + (N-471) + 2579 = N + 2394$$

$$(N \ge 2579)$$

$$B_{\bar{N}}(2N+1920) = B_{\bar{N}}(2N+1920-B_{\bar{N}}(2N+1919)) + B_{\bar{N}}(2N+1920-B_{\bar{N}}(2N+1918)) + B_{\bar{N}}(2N+1920-B_{\bar{N}}(2N+1917))$$

$$= B_{\bar{N}}(2N+1920-(N+2394)) + B_{\bar{N}}(2N+1920-(2N+1633)) + B_{\bar{N}}(2N+1920-(N+2390))$$

$$= B_{\bar{N}}(N-474) + B_{\bar{N}}(287) + B_{\bar{N}}(N-470) = (N-474) + 287 + (N-470) = 2N-657$$

$$(N \ge 475)$$

$$B_{\bar{N}}(2N+1921) = B_{\bar{N}}(2N+1921-B_{\bar{N}}(2N+1920)) + B_{\bar{N}}(2N+1921-B_{\bar{N}}(2N+1919)) + B_{\bar{N}}(2N+1921-B_{\bar{N}}(2N+1918))$$

$$= B_{\bar{N}}(2N+1921-(2N-657)) + B_{\bar{N}}(2N+1921-(N+2394)) + B_{\bar{N}}(2N+1921-(2N+1633))$$

$$= B_{\bar{N}}(2578) + B_{\bar{N}}(N-473) + B_{\bar{N}}(288) = 2578 + (N-473) + 288 = N + 2393$$

$$(N \ge 2578)$$

$$B_{\bar{N}}(2N+1922) = B_{\bar{N}}(2N+1922-B_{\bar{N}}(2N+1921)) + B_{\bar{N}}(2N+1922-B_{\bar{N}}(2N+1920)) + B_{\bar{N}}(2N+1922-B_{\bar{N}}(2N+1919))$$

$$= B_{\bar{N}}(2N+1922-(N+2393)) + B_{\bar{N}}(2N+1922-(2N-657)) + B_{\bar{N}}(2N+1922-(N+2394))$$

$$= B_{\bar{N}}(N-471) + B_{\bar{N}}(2579) + B_{\bar{N}}(N-472) = (N-471) + 2579 + (N-472) = 2N+1636$$

$$(N \ge 2579)$$

$$B_{\bar{N}}(2N+1923) = B_{\bar{N}}(2N+1923-B_{\bar{N}}(2N+1922)) + B_{\bar{N}}(2N+1923-B_{\bar{N}}(2N+1921)) + B_{\bar{N}}(2N+1923-B_{\bar{N}}(2N+1920))$$

$$= B_{\bar{N}}(2N+1923-(2N+1636)) + B_{\bar{N}}(2N+1923-(N+2393)) + B_{\bar{N}}(2N+1923-(2N-657))$$

$$= B_{\bar{N}}(287) + B_{\bar{N}}(N-470) + B_{\bar{N}}(2580) = 287 + (N-470) + 2580 = N + 2397$$

$$(N \ge 2580)$$

$$B_{\bar{N}}(2N+1924) = B_{\bar{N}}(2N+1924-B_{\bar{N}}(2N+1923)) + B_{\bar{N}}(2N+1924-B_{\bar{N}}(2N+1922)) + B_{\bar{N}}(2N+1924-B_{\bar{N}}(2N+1921))$$

$$= B_{\bar{N}}(2N+1924-(N+2397)) + B_{\bar{N}}(2N+1924-(2N+1636)) + B_{\bar{N}}(2N+1924-(N+2393))$$

$$= B_{\bar{N}}(N-473) + B_{\bar{N}}(288) + B_{\bar{N}}(N-469) = (N-473) + 288 + (N-469) = 2N-654$$

$$(N \ge 474)$$

$$B_{\bar{N}}(2N+1925) = B_{\bar{N}}(2N+1925-B_{\bar{N}}(2N+1924)) + B_{\bar{N}}(2N+1925-B_{\bar{N}}(2N+1923)) + B_{\bar{N}}(2N+1925-B_{\bar{N}}(2N+1925))$$

$$= B_{\bar{N}}(2N+1925-(2N-654)) + B_{\bar{N}}(2N+1925-(N+2397)) + B_{\bar{N}}(2N+1925-(2N+1636))$$

$$= B_{\bar{N}}(2579) + B_{\bar{N}}(N-472) + B_{\bar{N}}(289) = 2579 + (N-472) + 289 = N + 2396$$

$$(N \ge 2579)$$

$$B_{\bar{N}}(2N+1926) = B_{\bar{N}}(2N+1926-B_{\bar{N}}(2N+1925)) + B_{\bar{N}}(2N+1926-B_{\bar{N}}(2N+1924)) + B_{\bar{N}}(2N+1926-B_{\bar{N}}(2N+1923))$$

$$= B_{\bar{N}}(2N+1926-(N+2396)) + B_{\bar{N}}(2N+1926-(2N-654)) + B_{\bar{N}}(2N+1926-(N+2397))$$

$$= B_{\bar{N}}(N-470) + B_{\bar{N}}(2580) + B_{\bar{N}}(N-471) = (N-470) + 2580 + (N-471) = 2N+1639$$

$$(N > 2580)$$

$$B_{\bar{N}}(2N+1927) = B_{\bar{N}}(2N+1927-B_{\bar{N}}(2N+1926)) + B_{\bar{N}}(2N+1927-B_{\bar{N}}(2N+1925)) + B_{\bar{N}}(2N+1927-B_{\bar{N}}(2N+1924))$$

$$= B_{\bar{N}}(2N+1927-(2N+1639)) + B_{\bar{N}}(2N+1927-(N+2396)) + B_{\bar{N}}(2N+1927-(2N-654))$$

$$= B_{\bar{N}}(288) + B_{\bar{N}}(N-469) + B_{\bar{N}}(2581) = 288 + (N-469) + 2581 = N + 2400$$

$$(N \ge 2581)$$

$$B_{\bar{N}}(2N+1928) = B_{\bar{N}}(2N+1928-B_{\bar{N}}(2N+1927)) + B_{\bar{N}}(2N+1928-B_{\bar{N}}(2N+1926)) + B_{\bar{N}}(2N+1928-B_{\bar{N}}(2N+1925))$$

$$= B_{\bar{N}}(2N+1928-(N+2400)) + B_{\bar{N}}(2N+1928-(2N+1639)) + B_{\bar{N}}(2N+1928-(N+2396))$$

$$= B_{\bar{N}}(N-472) + B_{\bar{N}}(289) + B_{\bar{N}}(N-468) = (N-472) + 289 + (N-468) = 2N-651$$

$$(N \ge 473)$$

$$B_{\bar{N}}(2N+1929) = B_{\bar{N}}(2N+1929 - B_{\bar{N}}(2N+1928)) + B_{\bar{N}}(2N+1929 - B_{\bar{N}}(2N+1927)) + B_{\bar{N}}(2N+1929 - B_{\bar{N}}(2N+1926))$$

$$= B_{\bar{N}}(2N+1929 - (2N-651)) + B_{\bar{N}}(2N+1929 - (N+2400)) + B_{\bar{N}}(2N+1929 - (2N+1639))$$

$$= B_{\bar{N}}(2580) + B_{\bar{N}}(N-471) + B_{\bar{N}}(290) = 2580 + (N-471) + 290 = N + 2399$$

$$(N \ge 2580)$$

$$B_{\bar{N}}(2N+1930) = B_{\bar{N}}(2N+1930-B_{\bar{N}}(2N+1929)) + B_{\bar{N}}(2N+1930-B_{\bar{N}}(2N+1928)) + B_{\bar{N}}(2N+1930-B_{\bar{N}}(2N+1927))$$

$$= B_{\bar{N}}(2N+1930-(N+2399)) + B_{\bar{N}}(2N+1930-(2N-651)) + B_{\bar{N}}(2N+1930-(N+2400))$$

$$= B_{\bar{N}}(N-469) + B_{\bar{N}}(2581) + B_{\bar{N}}(N-470) = (N-469) + 2581 + (N-470) = 2N+1642$$

$$(N \ge 2581)$$

$$B_{\bar{N}}(2N+1931) = B_{\bar{N}}(2N+1931-B_{\bar{N}}(2N+1930)) + B_{\bar{N}}(2N+1931-B_{\bar{N}}(2N+1929)) + B_{\bar{N}}(2N+1931-B_{\bar{N}}(2N+1928))$$

$$= B_{\bar{N}}(2N+1931-(2N+1642)) + B_{\bar{N}}(2N+1931-(N+2399)) + B_{\bar{N}}(2N+1931-(2N-651))$$

$$= B_{\bar{N}}(289) + B_{\bar{N}}(N-468) + B_{\bar{N}}(2582) = 289 + (N-468) + 2582 = N + 2403$$

$$(N \ge 2582)$$

$$B_{\bar{N}}(2N+1932) = B_{\bar{N}}(2N+1932-B_{\bar{N}}(2N+1931)) + B_{\bar{N}}(2N+1932-B_{\bar{N}}(2N+1930)) + B_{\bar{N}}(2N+1932-B_{\bar{N}}(2N+1929))$$

$$= B_{\bar{N}}(2N+1932-(N+2403)) + B_{\bar{N}}(2N+1932-(2N+1642)) + B_{\bar{N}}(2N+1932-(N+2399))$$

$$= B_{\bar{N}}(N-471) + B_{\bar{N}}(290) + B_{\bar{N}}(N-467) = (N-471) + 290 + (N-467) = 2N-648$$

$$(N \ge 472)$$

$$B_{\bar{N}}(2N+1933) = B_{\bar{N}}(2N+1933-B_{\bar{N}}(2N+1932)) + B_{\bar{N}}(2N+1933-B_{\bar{N}}(2N+1931)) + B_{\bar{N}}(2N+1933-B_{\bar{N}}(2N+1930))$$

$$= B_{\bar{N}}(2N+1933-(2N-648)) + B_{\bar{N}}(2N+1933-(N+2403)) + B_{\bar{N}}(2N+1933-(2N+1642))$$

$$= B_{\bar{N}}(2581) + B_{\bar{N}}(N-470) + B_{\bar{N}}(291) = 2581 + (N-470) + 291 = N + 2402$$

$$(N \ge 2581)$$

$$B_{\bar{N}}(2N+1934) = B_{\bar{N}}(2N+1934-B_{\bar{N}}(2N+1933)) + B_{\bar{N}}(2N+1934-B_{\bar{N}}(2N+1932)) + B_{\bar{N}}(2N+1934-B_{\bar{N}}(2N+1931))$$

$$= B_{\bar{N}}(2N+1934-(N+2402)) + B_{\bar{N}}(2N+1934-(2N-648)) + B_{\bar{N}}(2N+1934-(N+2403))$$

$$= B_{\bar{N}}(N-468) + B_{\bar{N}}(2582) + B_{\bar{N}}(N-469) = (N-468) + 2582 + (N-469) = 2N+1645$$

$$(N \ge 2582)$$

$$B_{\bar{N}}(2N+1935) = B_{\bar{N}}(2N+1935-B_{\bar{N}}(2N+1934)) + B_{\bar{N}}(2N+1935-B_{\bar{N}}(2N+1933)) + B_{\bar{N}}(2N+1935-B_{\bar{N}}(2N+1932))$$

$$= B_{\bar{N}}(2N+1935-(2N+1645)) + B_{\bar{N}}(2N+1935-(N+2402)) + B_{\bar{N}}(2N+1935-(2N-648))$$

$$= B_{\bar{N}}(290) + B_{\bar{N}}(N-467) + B_{\bar{N}}(2583) = 290 + (N-467) + 2583 = N + 2406$$

$$(N \ge 2583)$$

$$B_{\bar{N}}(2N+1936) = B_{\bar{N}}(2N+1936-B_{\bar{N}}(2N+1935)) + B_{\bar{N}}(2N+1936-B_{\bar{N}}(2N+1934)) + B_{\bar{N}}(2N+1936-B_{\bar{N}}(2N+1933))$$

$$= B_{\bar{N}}(2N+1936-(N+2406)) + B_{\bar{N}}(2N+1936-(2N+1645)) + B_{\bar{N}}(2N+1936-(N+2402))$$

$$= B_{\bar{N}}(N-470) + B_{\bar{N}}(291) + B_{\bar{N}}(N-466) = (N-470) + 291 + (N-466) = 2N-645$$

$$(N \ge 471)$$

$$B_{\bar{N}}(2N+1937) = B_{\bar{N}}(2N+1937-B_{\bar{N}}(2N+1936)) + B_{\bar{N}}(2N+1937-B_{\bar{N}}(2N+1935)) + B_{\bar{N}}(2N+1937-B_{\bar{N}}(2N+1934))$$

$$= B_{\bar{N}}(2N+1937-(2N-645)) + B_{\bar{N}}(2N+1937-(N+2406)) + B_{\bar{N}}(2N+1937-(2N+1645))$$

$$= B_{\bar{N}}(2582) + B_{\bar{N}}(N-469) + B_{\bar{N}}(292) = 2582 + (N-469) + 292 = N + 2405$$

$$(N \ge 2582)$$

$$B_{\bar{N}}(2N+1938) = B_{\bar{N}}(2N+1938-B_{\bar{N}}(2N+1937)) + B_{\bar{N}}(2N+1938-B_{\bar{N}}(2N+1936)) + B_{\bar{N}}(2N+1938-B_{\bar{N}}(2N+1935))$$

$$= B_{\bar{N}}(2N+1938-(N+2405)) + B_{\bar{N}}(2N+1938-(2N-645)) + B_{\bar{N}}(2N+1938-(N+2406))$$

$$= B_{\bar{N}}(N-467) + B_{\bar{N}}(2583) + B_{\bar{N}}(N-468) = (N-467) + 2583 + (N-468) = 2N+1648$$

$$(N \ge 2583)$$

$$B_{\bar{N}}(2N+1939) = B_{\bar{N}}(2N+1939 - B_{\bar{N}}(2N+1938)) + B_{\bar{N}}(2N+1939 - B_{\bar{N}}(2N+1937)) + B_{\bar{N}}(2N+1939 - B_{\bar{N}}(2N+1936))$$

$$= B_{\bar{N}}(2N+1939 - (2N+1648)) + B_{\bar{N}}(2N+1939 - (N+2405)) + B_{\bar{N}}(2N+1939 - (2N-645))$$

$$= B_{\bar{N}}(291) + B_{\bar{N}}(N-466) + B_{\bar{N}}(2584) = 291 + (N-466) + 2584 = N + 2409$$

$$(N \ge 2584)$$

$$B_{\bar{N}}(2N+1940) = B_{\bar{N}}(2N+1940-B_{\bar{N}}(2N+1939)) + B_{\bar{N}}(2N+1940-B_{\bar{N}}(2N+1938)) + B_{\bar{N}}(2N+1940-B_{\bar{N}}(2N+1937))$$

$$= B_{\bar{N}}(2N+1940-(N+2409)) + B_{\bar{N}}(2N+1940-(2N+1648)) + B_{\bar{N}}(2N+1940-(N+2405))$$

$$= B_{\bar{N}}(N-469) + B_{\bar{N}}(292) + B_{\bar{N}}(N-465) = (N-469) + 292 + (N-465) = 2N-642$$

$$(N \ge 470)$$

$$B_{\bar{N}}(2N+1941) = B_{\bar{N}}(2N+1941-B_{\bar{N}}(2N+1940)) + B_{\bar{N}}(2N+1941-B_{\bar{N}}(2N+1939)) + B_{\bar{N}}(2N+1941-B_{\bar{N}}(2N+1938))$$

$$= B_{\bar{N}}(2N+1941-(2N-642)) + B_{\bar{N}}(2N+1941-(N+2409)) + B_{\bar{N}}(2N+1941-(2N+1648))$$

$$= B_{\bar{N}}(2583) + B_{\bar{N}}(N-468) + B_{\bar{N}}(293) = 2583 + (N-468) + 293 = N + 2408$$

$$(N \ge 2583)$$

$$B_{\bar{N}}(2N+1942) = B_{\bar{N}}(2N+1942-B_{\bar{N}}(2N+1941)) + B_{\bar{N}}(2N+1942-B_{\bar{N}}(2N+1940)) + B_{\bar{N}}(2N+1942-B_{\bar{N}}(2N+1939))$$

$$= B_{\bar{N}}(2N+1942-(N+2408)) + B_{\bar{N}}(2N+1942-(2N-642)) + B_{\bar{N}}(2N+1942-(N+2409))$$

$$= B_{\bar{N}}(N-466) + B_{\bar{N}}(2584) + B_{\bar{N}}(N-467) = (N-466) + 2584 + (N-467) = 2N+1651$$

$$(N \ge 2584)$$

$$B_{\bar{N}}(2N+1943) = B_{\bar{N}}(2N+1943-B_{\bar{N}}(2N+1942)) + B_{\bar{N}}(2N+1943-B_{\bar{N}}(2N+1941)) + B_{\bar{N}}(2N+1943-B_{\bar{N}}(2N+1940))$$

$$= B_{\bar{N}}(2N+1943-(2N+1651)) + B_{\bar{N}}(2N+1943-(N+2408)) + B_{\bar{N}}(2N+1943-(2N-642))$$

$$= B_{\bar{N}}(292) + B_{\bar{N}}(N-465) + B_{\bar{N}}(2585) = 292 + (N-465) + 2585 = N + 2412$$

$$(N \ge 2585)$$

$$B_{\bar{N}}(2N+1944) = B_{\bar{N}}(2N+1944-B_{\bar{N}}(2N+1943)) + B_{\bar{N}}(2N+1944-B_{\bar{N}}(2N+1942)) + B_{\bar{N}}(2N+1944-B_{\bar{N}}(2N+1941))$$

$$= B_{\bar{N}}(2N+1944-(N+2412)) + B_{\bar{N}}(2N+1944-(2N+1651)) + B_{\bar{N}}(2N+1944-(N+2408))$$

$$= B_{\bar{N}}(N-468) + B_{\bar{N}}(293) + B_{\bar{N}}(N-464) = (N-468) + 293 + (N-464) = 2N-639$$

$$(N \ge 469)$$

$$B_{\bar{N}}(2N+1945) = B_{\bar{N}}(2N+1945-B_{\bar{N}}(2N+1944)) + B_{\bar{N}}(2N+1945-B_{\bar{N}}(2N+1943)) + B_{\bar{N}}(2N+1945-B_{\bar{N}}(2N+1942))$$

$$= B_{\bar{N}}(2N+1945-(2N-639)) + B_{\bar{N}}(2N+1945-(N+2412)) + B_{\bar{N}}(2N+1945-(2N+1651))$$

$$= B_{\bar{N}}(2584) + B_{\bar{N}}(N-467) + B_{\bar{N}}(294) = 2584 + (N-467) + 294 = N + 2411$$

$$(N \ge 2584)$$

$$B_{\bar{N}}(2N+1946) = B_{\bar{N}}(2N+1946-B_{\bar{N}}(2N+1945)) + B_{\bar{N}}(2N+1946-B_{\bar{N}}(2N+1944)) + B_{\bar{N}}(2N+1946-B_{\bar{N}}(2N+1943))$$

$$= B_{\bar{N}}(2N+1946-(N+2411)) + B_{\bar{N}}(2N+1946-(2N-639)) + B_{\bar{N}}(2N+1946-(N+2412))$$

$$= B_{\bar{N}}(N-465) + B_{\bar{N}}(2585) + B_{\bar{N}}(N-466) = (N-465) + 2585 + (N-466) = 2N+1654$$

$$(N \ge 2585)$$

$$B_{\bar{N}}(2N+1947) = B_{\bar{N}}(2N+1947-B_{\bar{N}}(2N+1946)) + B_{\bar{N}}(2N+1947-B_{\bar{N}}(2N+1945)) + B_{\bar{N}}(2N+1947-B_{\bar{N}}(2N+1944))$$

$$= B_{\bar{N}}(2N+1947-(2N+1654)) + B_{\bar{N}}(2N+1947-(N+2411)) + B_{\bar{N}}(2N+1947-(2N-639))$$

$$= B_{\bar{N}}(293) + B_{\bar{N}}(N-464) + B_{\bar{N}}(2586) = 293 + (N-464) + 2586 = N+2415$$

$$(N \ge 2586)$$

$$B_{\bar{N}}(2N+1948) = B_{\bar{N}}(2N+1948-B_{\bar{N}}(2N+1947)) + B_{\bar{N}}(2N+1948-B_{\bar{N}}(2N+1946)) + B_{\bar{N}}(2N+1948-B_{\bar{N}}(2N+1945))$$

$$= B_{\bar{N}}(2N+1948-(N+2415)) + B_{\bar{N}}(2N+1948-(2N+1654)) + B_{\bar{N}}(2N+1948-(N+2411))$$

$$= B_{\bar{N}}(N-467) + B_{\bar{N}}(294) + B_{\bar{N}}(N-463) = (N-467) + 294 + (N-463) = 2N-636$$

$$(N \ge 468)$$

$$\begin{split} B_{\bar{N}}(2N+1949) &= B_{\bar{N}}(2N+1949-B_{\bar{N}}(2N+1948)) + B_{\bar{N}}(2N+1949-B_{\bar{N}}(2N+1947)) + B_{\bar{N}}(2N+1949-B_{\bar{N}}(2N+1946)) \\ &= B_{\bar{N}}(2N+1949-(2N-636)) + B_{\bar{N}}(2N+1949-(N+2415)) + B_{\bar{N}}(2N+1949-(2N+1654)) \\ &= B_{\bar{N}}(2585) + B_{\bar{N}}(N-466) + B_{\bar{N}}(295) = 2585 + (N-466) + 295 = N + 2414 \\ &(N \geq 2585) \end{split}$$

$$B_{\bar{N}}(2N+1950) = B_{\bar{N}}(2N+1950 - B_{\bar{N}}(2N+1949)) + B_{\bar{N}}(2N+1950 - B_{\bar{N}}(2N+1948)) + B_{\bar{N}}(2N+1950 - B_{\bar{N}}(2N+1947))$$

$$= B_{\bar{N}}(2N+1950 - (N+2414)) + B_{\bar{N}}(2N+1950 - (2N-636)) + B_{\bar{N}}(2N+1950 - (N+2415))$$

$$= B_{\bar{N}}(N-464) + B_{\bar{N}}(2586) + B_{\bar{N}}(N-465) = (N-464) + 2586 + (N-465) = 2N+1657$$

$$(N \ge 2586)$$

$$B_{\bar{N}}(2N+1951) = B_{\bar{N}}(2N+1951-B_{\bar{N}}(2N+1950)) + B_{\bar{N}}(2N+1951-B_{\bar{N}}(2N+1949)) + B_{\bar{N}}(2N+1951-B_{\bar{N}}(2N+1948))$$

$$= B_{\bar{N}}(2N+1951-(2N+1657)) + B_{\bar{N}}(2N+1951-(N+2414)) + B_{\bar{N}}(2N+1951-(2N-636))$$

$$= B_{\bar{N}}(294) + B_{\bar{N}}(N-463) + B_{\bar{N}}(2587) = 294 + (N-463) + 2587 = N + 2418$$

$$(N > 2587)$$

$$B_{\bar{N}}(2N+1952) = B_{\bar{N}}(2N+1952-B_{\bar{N}}(2N+1951)) + B_{\bar{N}}(2N+1952-B_{\bar{N}}(2N+1950)) + B_{\bar{N}}(2N+1952-B_{\bar{N}}(2N+1949))$$

$$= B_{\bar{N}}(2N+1952-(N+2418)) + B_{\bar{N}}(2N+1952-(2N+1657)) + B_{\bar{N}}(2N+1952-(N+2414))$$

$$= B_{\bar{N}}(N-466) + B_{\bar{N}}(295) + B_{\bar{N}}(N-462) = (N-466) + 295 + (N-462) = 2N-633$$

$$(N > 467)$$

$$B_{\bar{N}}(2N+1953) = B_{\bar{N}}(2N+1953-B_{\bar{N}}(2N+1952)) + B_{\bar{N}}(2N+1953-B_{\bar{N}}(2N+1951)) + B_{\bar{N}}(2N+1953-B_{\bar{N}}(2N+1950)) = B_{\bar{N}}(2N+1953-(2N-633)) + B_{\bar{N}}(2N+1953-(N+2418)) + B_{\bar{N}}(2N+1953-(2N+1657)) = B_{\bar{N}}(2586) + B_{\bar{N}}(N-465) + B_{\bar{N}}(296) = 2586 + (N-465) + 296 = N+2417 (N \ge 2586)$$

$$B_{\bar{N}}(2N+1954) = B_{\bar{N}}(2N+1954-B_{\bar{N}}(2N+1953)) + B_{\bar{N}}(2N+1954-B_{\bar{N}}(2N+1952)) + B_{\bar{N}}(2N+1954-B_{\bar{N}}(2N+1951))$$

$$= B_{\bar{N}}(2N+1954-(N+2417)) + B_{\bar{N}}(2N+1954-(2N-633)) + B_{\bar{N}}(2N+1954-(N+2418))$$

$$= B_{\bar{N}}(N-463) + B_{\bar{N}}(2587) + B_{\bar{N}}(N-464) = (N-463) + 2587 + (N-464) = 2N+1660$$

$$(N \ge 2587)$$

$$B_{\bar{N}}(2N+1955) = B_{\bar{N}}(2N+1955-B_{\bar{N}}(2N+1954)) + B_{\bar{N}}(2N+1955-B_{\bar{N}}(2N+1953)) + B_{\bar{N}}(2N+1955-B_{\bar{N}}(2N+1952))$$

$$= B_{\bar{N}}(2N+1955-(2N+1660)) + B_{\bar{N}}(2N+1955-(N+2417)) + B_{\bar{N}}(2N+1955-(2N-633))$$

$$= B_{\bar{N}}(295) + B_{\bar{N}}(N-462) + B_{\bar{N}}(2588) = 295 + (N-462) + 2588 = N + 2421$$

$$(N \ge 2588)$$

$$B_{\bar{N}}(2N+1956) = B_{\bar{N}}(2N+1956-B_{\bar{N}}(2N+1955)) + B_{\bar{N}}(2N+1956-B_{\bar{N}}(2N+1954)) + B_{\bar{N}}(2N+1956-B_{\bar{N}}(2N+1953))$$

$$= B_{\bar{N}}(2N+1956-(N+2421)) + B_{\bar{N}}(2N+1956-(2N+1660)) + B_{\bar{N}}(2N+1956-(N+2417))$$

$$= B_{\bar{N}}(N-465) + B_{\bar{N}}(296) + B_{\bar{N}}(N-461) = (N-465) + 296 + (N-461) = 2N-630$$

$$(N \ge 466)$$

$$B_{\bar{N}}(2N+1957) = B_{\bar{N}}(2N+1957-B_{\bar{N}}(2N+1956)) + B_{\bar{N}}(2N+1957-B_{\bar{N}}(2N+1955)) + B_{\bar{N}}(2N+1957-B_{\bar{N}}(2N+1954))$$

$$= B_{\bar{N}}(2N+1957-(2N-630)) + B_{\bar{N}}(2N+1957-(N+2421)) + B_{\bar{N}}(2N+1957-(2N+1660))$$

$$= B_{\bar{N}}(2587) + B_{\bar{N}}(N-464) + B_{\bar{N}}(297) = 2587 + (N-464) + 297 = N + 2420$$

$$(N \ge 2587)$$

$$B_{\bar{N}}(2N+1958) = B_{\bar{N}}(2N+1958-B_{\bar{N}}(2N+1957)) + B_{\bar{N}}(2N+1958-B_{\bar{N}}(2N+1956)) + B_{\bar{N}}(2N+1958-B_{\bar{N}}(2N+1955))$$

$$= B_{\bar{N}}(2N+1958-(N+2420)) + B_{\bar{N}}(2N+1958-(2N-630)) + B_{\bar{N}}(2N+1958-(N+2421))$$

$$= B_{\bar{N}}(N-462) + B_{\bar{N}}(2588) + B_{\bar{N}}(N-463) = (N-462) + 2588 + (N-463) = 2N+1663$$

$$(N \ge 2588)$$

$$B_{\bar{N}}(2N+1959) = B_{\bar{N}}(2N+1959 - B_{\bar{N}}(2N+1958)) + B_{\bar{N}}(2N+1959 - B_{\bar{N}}(2N+1957)) + B_{\bar{N}}(2N+1959 - B_{\bar{N}}(2N+1956))$$

$$= B_{\bar{N}}(2N+1959 - (2N+1663)) + B_{\bar{N}}(2N+1959 - (N+2420)) + B_{\bar{N}}(2N+1959 - (2N-630))$$

$$= B_{\bar{N}}(296) + B_{\bar{N}}(N-461) + B_{\bar{N}}(2589) = 296 + (N-461) + 2589 = N + 2424$$

$$(N \ge 2589)$$

$$B_{\bar{N}}(2N+1960) = B_{\bar{N}}(2N+1960-B_{\bar{N}}(2N+1959)) + B_{\bar{N}}(2N+1960-B_{\bar{N}}(2N+1958)) + B_{\bar{N}}(2N+1960-B_{\bar{N}}(2N+1957))$$

$$= B_{\bar{N}}(2N+1960-(N+2424)) + B_{\bar{N}}(2N+1960-(2N+1663)) + B_{\bar{N}}(2N+1960-(N+2420))$$

$$= B_{\bar{N}}(N-464) + B_{\bar{N}}(297) + B_{\bar{N}}(N-460) = (N-464) + 297 + (N-460) = 2N-627$$

$$(N \ge 465)$$

$$B_{\bar{N}}(2N+1961) = B_{\bar{N}}(2N+1961-B_{\bar{N}}(2N+1960)) + B_{\bar{N}}(2N+1961-B_{\bar{N}}(2N+1959)) + B_{\bar{N}}(2N+1961-B_{\bar{N}}(2N+1958))$$

$$= B_{\bar{N}}(2N+1961-(2N-627)) + B_{\bar{N}}(2N+1961-(N+2424)) + B_{\bar{N}}(2N+1961-(2N+1663))$$

$$= B_{\bar{N}}(2588) + B_{\bar{N}}(N-463) + B_{\bar{N}}(298) = 2588 + (N-463) + 298 = N + 2423$$

$$(N \ge 2588)$$

$$B_{\bar{N}}(2N+1962) = B_{\bar{N}}(2N+1962-B_{\bar{N}}(2N+1961)) + B_{\bar{N}}(2N+1962-B_{\bar{N}}(2N+1960)) + B_{\bar{N}}(2N+1962-B_{\bar{N}}(2N+1959))$$

$$= B_{\bar{N}}(2N+1962-(N+2423)) + B_{\bar{N}}(2N+1962-(2N-627)) + B_{\bar{N}}(2N+1962-(N+2424))$$

$$= B_{\bar{N}}(N-461) + B_{\bar{N}}(2589) + B_{\bar{N}}(N-462) = (N-461) + 2589 + (N-462) = 2N+1666$$

$$(N \ge 2589)$$

$$B_{\bar{N}}(2N+1963) = B_{\bar{N}}(2N+1963-B_{\bar{N}}(2N+1962)) + B_{\bar{N}}(2N+1963-B_{\bar{N}}(2N+1961)) + B_{\bar{N}}(2N+1963-B_{\bar{N}}(2N+1960))$$

$$= B_{\bar{N}}(2N+1963-(2N+1666)) + B_{\bar{N}}(2N+1963-(N+2423)) + B_{\bar{N}}(2N+1963-(2N-627))$$

$$= B_{\bar{N}}(297) + B_{\bar{N}}(N-460) + B_{\bar{N}}(2590) = 297 + (N-460) + 2590 = N + 2427$$

$$(N \ge 2590)$$

$$B_{\bar{N}}(2N+1964) = B_{\bar{N}}(2N+1964-B_{\bar{N}}(2N+1963)) + B_{\bar{N}}(2N+1964-B_{\bar{N}}(2N+1962)) + B_{\bar{N}}(2N+1964-B_{\bar{N}}(2N+1961))$$

$$= B_{\bar{N}}(2N+1964-(N+2427)) + B_{\bar{N}}(2N+1964-(2N+1666)) + B_{\bar{N}}(2N+1964-(N+2423))$$

$$= B_{\bar{N}}(N-463) + B_{\bar{N}}(298) + B_{\bar{N}}(N-459) = (N-463) + 298 + (N-459) = 2N-624$$

$$(N \ge 464)$$

$$B_{\bar{N}}(2N+1965) = B_{\bar{N}}(2N+1965-B_{\bar{N}}(2N+1964)) + B_{\bar{N}}(2N+1965-B_{\bar{N}}(2N+1963)) + B_{\bar{N}}(2N+1965-B_{\bar{N}}(2N+1962))$$

$$= B_{\bar{N}}(2N+1965-(2N-624)) + B_{\bar{N}}(2N+1965-(N+2427)) + B_{\bar{N}}(2N+1965-(2N+1666))$$

$$= B_{\bar{N}}(2589) + B_{\bar{N}}(N-462) + B_{\bar{N}}(299) = 2589 + (N-462) + 299 = N + 2426$$

$$(N \ge 2589)$$

$$B_{\bar{N}}(2N+1966) = B_{\bar{N}}(2N+1966-B_{\bar{N}}(2N+1965)) + B_{\bar{N}}(2N+1966-B_{\bar{N}}(2N+1964)) + B_{\bar{N}}(2N+1966-B_{\bar{N}}(2N+1963))$$

$$= B_{\bar{N}}(2N+1966-(N+2426)) + B_{\bar{N}}(2N+1966-(2N-624)) + B_{\bar{N}}(2N+1966-(N+2427))$$

$$= B_{\bar{N}}(N-460) + B_{\bar{N}}(2590) + B_{\bar{N}}(N-461) = (N-460) + 2590 + (N-461) = 2N+1669$$

$$(N \ge 2590)$$

$$B_{\bar{N}}(2N+1967) = B_{\bar{N}}(2N+1967-B_{\bar{N}}(2N+1966)) + B_{\bar{N}}(2N+1967-B_{\bar{N}}(2N+1965)) + B_{\bar{N}}(2N+1967-B_{\bar{N}}(2N+1964))$$

$$= B_{\bar{N}}(2N+1967-(2N+1669)) + B_{\bar{N}}(2N+1967-(N+2426)) + B_{\bar{N}}(2N+1967-(2N-624))$$

$$= B_{\bar{N}}(298) + B_{\bar{N}}(N-459) + B_{\bar{N}}(2591) = 298 + (N-459) + 2591 = N + 2430$$

$$(N \ge 2591)$$

$$B_{\bar{N}}(2N+1968) = B_{\bar{N}}(2N+1968-B_{\bar{N}}(2N+1967)) + B_{\bar{N}}(2N+1968-B_{\bar{N}}(2N+1966)) + B_{\bar{N}}(2N+1968-B_{\bar{N}}(2N+1965))$$

$$= B_{\bar{N}}(2N+1968-(N+2430)) + B_{\bar{N}}(2N+1968-(2N+1669)) + B_{\bar{N}}(2N+1968-(N+2426))$$

$$= B_{\bar{N}}(N-462) + B_{\bar{N}}(299) + B_{\bar{N}}(N-458) = (N-462) + 299 + (N-458) = 2N-621$$

$$(N \ge 463)$$

$$B_{\bar{N}}(2N+1969) = B_{\bar{N}}(2N+1969 - B_{\bar{N}}(2N+1968)) + B_{\bar{N}}(2N+1969 - B_{\bar{N}}(2N+1967)) + B_{\bar{N}}(2N+1969 - B_{\bar{N}}(2N+1969))$$

$$= B_{\bar{N}}(2N+1969 - (2N-621)) + B_{\bar{N}}(2N+1969 - (N+2430)) + B_{\bar{N}}(2N+1969 - (2N+1669))$$

$$= B_{\bar{N}}(2590) + B_{\bar{N}}(N-461) + B_{\bar{N}}(300) = 2590 + (N-461) + 300 = N + 2429$$

$$(N \ge 2590)$$

$$B_{\bar{N}}(2N+1970) = B_{\bar{N}}(2N+1970-B_{\bar{N}}(2N+1969)) + B_{\bar{N}}(2N+1970-B_{\bar{N}}(2N+1968)) + B_{\bar{N}}(2N+1970-B_{\bar{N}}(2N+1967))$$

$$= B_{\bar{N}}(2N+1970-(N+2429)) + B_{\bar{N}}(2N+1970-(2N-621)) + B_{\bar{N}}(2N+1970-(N+2430))$$

$$= B_{\bar{N}}(N-459) + B_{\bar{N}}(2591) + B_{\bar{N}}(N-460) = (N-459) + 2591 + (N-460) = 2N+1672$$

$$(N \ge 2591)$$

$$B_{\bar{N}}(2N+1971) = B_{\bar{N}}(2N+1971-B_{\bar{N}}(2N+1970)) + B_{\bar{N}}(2N+1971-B_{\bar{N}}(2N+1969)) + B_{\bar{N}}(2N+1971-B_{\bar{N}}(2N+1968))$$

$$= B_{\bar{N}}(2N+1971-(2N+1672)) + B_{\bar{N}}(2N+1971-(N+2429)) + B_{\bar{N}}(2N+1971-(2N-621))$$

$$= B_{\bar{N}}(299) + B_{\bar{N}}(N-458) + B_{\bar{N}}(2592) = 299 + (N-458) + 2592 = N + 2433$$

$$(N \ge 2592)$$

$$B_{\bar{N}}(2N+1972) = B_{\bar{N}}(2N+1972-B_{\bar{N}}(2N+1971)) + B_{\bar{N}}(2N+1972-B_{\bar{N}}(2N+1970)) + B_{\bar{N}}(2N+1972-B_{\bar{N}}(2N+1969))$$

$$= B_{\bar{N}}(2N+1972-(N+2433)) + B_{\bar{N}}(2N+1972-(2N+1672)) + B_{\bar{N}}(2N+1972-(N+2429))$$

$$= B_{\bar{N}}(N-461) + B_{\bar{N}}(300) + B_{\bar{N}}(N-457) = (N-461) + 300 + (N-457) = 2N-618$$

$$(N \ge 462)$$

$$B_{\bar{N}}(2N+1973) = B_{\bar{N}}(2N+1973-B_{\bar{N}}(2N+1972)) + B_{\bar{N}}(2N+1973-B_{\bar{N}}(2N+1971)) + B_{\bar{N}}(2N+1973-B_{\bar{N}}(2N+1970))$$

$$= B_{\bar{N}}(2N+1973-(2N-618)) + B_{\bar{N}}(2N+1973-(N+2433)) + B_{\bar{N}}(2N+1973-(2N+1672))$$

$$= B_{\bar{N}}(2591) + B_{\bar{N}}(N-460) + B_{\bar{N}}(301) = 2591 + (N-460) + 301 = N + 2432$$

$$(N \ge 2591)$$

$$B_{\bar{N}}(2N+1974) = B_{\bar{N}}(2N+1974-B_{\bar{N}}(2N+1973)) + B_{\bar{N}}(2N+1974-B_{\bar{N}}(2N+1972)) + B_{\bar{N}}(2N+1974-B_{\bar{N}}(2N+1971))$$

$$= B_{\bar{N}}(2N+1974-(N+2432)) + B_{\bar{N}}(2N+1974-(2N-618)) + B_{\bar{N}}(2N+1974-(N+2433))$$

$$= B_{\bar{N}}(N-458) + B_{\bar{N}}(2592) + B_{\bar{N}}(N-459) = (N-458) + 2592 + (N-459) = 2N+1675$$

$$(N \ge 2592)$$

$$B_{\bar{N}}(2N+1975) = B_{\bar{N}}(2N+1975-B_{\bar{N}}(2N+1974)) + B_{\bar{N}}(2N+1975-B_{\bar{N}}(2N+1973)) + B_{\bar{N}}(2N+1975-B_{\bar{N}}(2N+1972))$$

$$= B_{\bar{N}}(2N+1975-(2N+1675)) + B_{\bar{N}}(2N+1975-(N+2432)) + B_{\bar{N}}(2N+1975-(2N-618))$$

$$= B_{\bar{N}}(300) + B_{\bar{N}}(N-457) + B_{\bar{N}}(2593) = 300 + (N-457) + 2593 = N + 2436$$

$$(N \ge 2593)$$

$$B_{\bar{N}}(2N+1976) = B_{\bar{N}}(2N+1976-B_{\bar{N}}(2N+1975)) + B_{\bar{N}}(2N+1976-B_{\bar{N}}(2N+1974)) + B_{\bar{N}}(2N+1976-B_{\bar{N}}(2N+1973))$$

$$= B_{\bar{N}}(2N+1976-(N+2436)) + B_{\bar{N}}(2N+1976-(2N+1675)) + B_{\bar{N}}(2N+1976-(N+2432))$$

$$= B_{\bar{N}}(N-460) + B_{\bar{N}}(301) + B_{\bar{N}}(N-456) = (N-460) + 301 + (N-456) = 2N-615$$

$$(N \ge 461)$$

$$B_{\bar{N}}(2N+1977) = B_{\bar{N}}(2N+1977 - B_{\bar{N}}(2N+1976)) + B_{\bar{N}}(2N+1977 - B_{\bar{N}}(2N+1975)) + B_{\bar{N}}(2N+1977 - B_{\bar{N}}(2N+1974))$$

$$= B_{\bar{N}}(2N+1977 - (2N-615)) + B_{\bar{N}}(2N+1977 - (N+2436)) + B_{\bar{N}}(2N+1977 - (2N+1675))$$

$$= B_{\bar{N}}(2592) + B_{\bar{N}}(N-459) + B_{\bar{N}}(302) = 2592 + (N-459) + 302 = N + 2435$$

$$(N > 2592)$$

$$B_{\bar{N}}(2N+1978) = B_{\bar{N}}(2N+1978-B_{\bar{N}}(2N+1977)) + B_{\bar{N}}(2N+1978-B_{\bar{N}}(2N+1976)) + B_{\bar{N}}(2N+1978-B_{\bar{N}}(2N+1975)) = B_{\bar{N}}(2N+1978-(N+2435)) + B_{\bar{N}}(2N+1978-(2N-615)) + B_{\bar{N}}(2N+1978-(N+2436)) = B_{\bar{N}}(N-457) + B_{\bar{N}}(2593) + B_{\bar{N}}(N-458) = (N-457) + 2593 + (N-458) = 2N+1678 (N \ge 2593)$$

$$B_{\bar{N}}(2N+1979) = B_{\bar{N}}(2N+1979 - B_{\bar{N}}(2N+1978)) + B_{\bar{N}}(2N+1979 - B_{\bar{N}}(2N+1977)) + B_{\bar{N}}(2N+1979 - B_{\bar{N}}(2N+1976))$$

$$= B_{\bar{N}}(2N+1979 - (2N+1678)) + B_{\bar{N}}(2N+1979 - (N+2435)) + B_{\bar{N}}(2N+1979 - (2N-615))$$

$$= B_{\bar{N}}(301) + B_{\bar{N}}(N-456) + B_{\bar{N}}(2594) = 301 + (N-456) + 2594 = N + 2439$$

$$(N \ge 2594)$$

$$B_{\bar{N}}(2N+1980) = B_{\bar{N}}(2N+1980 - B_{\bar{N}}(2N+1979)) + B_{\bar{N}}(2N+1980 - B_{\bar{N}}(2N+1978)) + B_{\bar{N}}(2N+1980 - B_{\bar{N}}(2N+1977))$$

$$= B_{\bar{N}}(2N+1980 - (N+2439)) + B_{\bar{N}}(2N+1980 - (2N+1678)) + B_{\bar{N}}(2N+1980 - (N+2435))$$

$$= B_{\bar{N}}(N-459) + B_{\bar{N}}(302) + B_{\bar{N}}(N-455) = (N-459) + 302 + (N-455) = 2N-612$$

$$(N \ge 460)$$

$$B_{\bar{N}}(2N+1981) = B_{\bar{N}}(2N+1981-B_{\bar{N}}(2N+1980)) + B_{\bar{N}}(2N+1981-B_{\bar{N}}(2N+1979)) + B_{\bar{N}}(2N+1981-B_{\bar{N}}(2N+1978))$$

$$= B_{\bar{N}}(2N+1981-(2N-612)) + B_{\bar{N}}(2N+1981-(N+2439)) + B_{\bar{N}}(2N+1981-(2N+1678))$$

$$= B_{\bar{N}}(2593) + B_{\bar{N}}(N-458) + B_{\bar{N}}(303) = 2593 + (N-458) + 303 = N + 2438$$

$$(N \ge 2593)$$

$$B_{\bar{N}}(2N+1982) = B_{\bar{N}}(2N+1982-B_{\bar{N}}(2N+1981)) + B_{\bar{N}}(2N+1982-B_{\bar{N}}(2N+1980)) + B_{\bar{N}}(2N+1982-B_{\bar{N}}(2N+1979))$$

$$= B_{\bar{N}}(2N+1982-(N+2438)) + B_{\bar{N}}(2N+1982-(2N-612)) + B_{\bar{N}}(2N+1982-(N+2439))$$

$$= B_{\bar{N}}(N-456) + B_{\bar{N}}(2594) + B_{\bar{N}}(N-457) = (N-456) + 2594 + (N-457) = 2N+1681$$

$$(N \ge 2594)$$

$$B_{\bar{N}}(2N+1983) = B_{\bar{N}}(2N+1983-B_{\bar{N}}(2N+1982)) + B_{\bar{N}}(2N+1983-B_{\bar{N}}(2N+1981)) + B_{\bar{N}}(2N+1983-B_{\bar{N}}(2N+1980))$$

$$= B_{\bar{N}}(2N+1983-(2N+1681)) + B_{\bar{N}}(2N+1983-(N+2438)) + B_{\bar{N}}(2N+1983-(2N-612))$$

$$= B_{\bar{N}}(302) + B_{\bar{N}}(N-455) + B_{\bar{N}}(2595) = 302 + (N-455) + 2595 = N + 2442$$

$$(N \ge 2595)$$

$$B_{\bar{N}}(2N+1984) = B_{\bar{N}}(2N+1984-B_{\bar{N}}(2N+1983)) + B_{\bar{N}}(2N+1984-B_{\bar{N}}(2N+1982)) + B_{\bar{N}}(2N+1984-B_{\bar{N}}(2N+1981))$$

$$= B_{\bar{N}}(2N+1984-(N+2442)) + B_{\bar{N}}(2N+1984-(2N+1681)) + B_{\bar{N}}(2N+1984-(N+2438))$$

$$= B_{\bar{N}}(N-458) + B_{\bar{N}}(303) + B_{\bar{N}}(N-454) = (N-458) + 303 + (N-454) = 2N-609$$

$$(N \ge 459)$$

$$B_{\bar{N}}(2N+1985) = B_{\bar{N}}(2N+1985-B_{\bar{N}}(2N+1984)) + B_{\bar{N}}(2N+1985-B_{\bar{N}}(2N+1983)) + B_{\bar{N}}(2N+1985-B_{\bar{N}}(2N+1982))$$

$$= B_{\bar{N}}(2N+1985-(2N-609)) + B_{\bar{N}}(2N+1985-(N+2442)) + B_{\bar{N}}(2N+1985-(2N+1681))$$

$$= B_{\bar{N}}(2594) + B_{\bar{N}}(N-457) + B_{\bar{N}}(304) = 2594 + (N-457) + 304 = N + 2441$$

$$(N \ge 2594)$$

$$B_{\bar{N}}(2N+1986) = B_{\bar{N}}(2N+1986-B_{\bar{N}}(2N+1985)) + B_{\bar{N}}(2N+1986-B_{\bar{N}}(2N+1984)) + B_{\bar{N}}(2N+1986-B_{\bar{N}}(2N+1983))$$

$$= B_{\bar{N}}(2N+1986-(N+2441)) + B_{\bar{N}}(2N+1986-(2N-609)) + B_{\bar{N}}(2N+1986-(N+2442))$$

$$= B_{\bar{N}}(N-455) + B_{\bar{N}}(2595) + B_{\bar{N}}(N-456) = (N-455) + 2595 + (N-456) = 2N+1684$$

$$(N \ge 2595)$$

$$B_{\bar{N}}(2N+1987) = B_{\bar{N}}(2N+1987-B_{\bar{N}}(2N+1986)) + B_{\bar{N}}(2N+1987-B_{\bar{N}}(2N+1985)) + B_{\bar{N}}(2N+1987-B_{\bar{N}}(2N+1984))$$

$$= B_{\bar{N}}(2N+1987-(2N+1684)) + B_{\bar{N}}(2N+1987-(N+2441)) + B_{\bar{N}}(2N+1987-(2N-609))$$

$$= B_{\bar{N}}(303) + B_{\bar{N}}(N-454) + B_{\bar{N}}(2596) = 303 + (N-454) + 2596 = N + 2445$$

$$(N \ge 2596)$$

$$B_{\bar{N}}(2N+1988) = B_{\bar{N}}(2N+1988-B_{\bar{N}}(2N+1987)) + B_{\bar{N}}(2N+1988-B_{\bar{N}}(2N+1986)) + B_{\bar{N}}(2N+1988-B_{\bar{N}}(2N+1985))$$

$$= B_{\bar{N}}(2N+1988-(N+2445)) + B_{\bar{N}}(2N+1988-(2N+1684)) + B_{\bar{N}}(2N+1988-(N+2441))$$

$$= B_{\bar{N}}(N-457) + B_{\bar{N}}(304) + B_{\bar{N}}(N-453) = (N-457) + 304 + (N-453) = 2N-606$$

$$(N \ge 458)$$

$$B_{\bar{N}}(2N+1989) = B_{\bar{N}}(2N+1989 - B_{\bar{N}}(2N+1988)) + B_{\bar{N}}(2N+1989 - B_{\bar{N}}(2N+1987)) + B_{\bar{N}}(2N+1989 - B_{\bar{N}}(2N+1989))$$

$$= B_{\bar{N}}(2N+1989 - (2N-606)) + B_{\bar{N}}(2N+1989 - (N+2445)) + B_{\bar{N}}(2N+1989 - (2N+1684))$$

$$= B_{\bar{N}}(2595) + B_{\bar{N}}(N-456) + B_{\bar{N}}(305) = 2595 + (N-456) + 305 = N + 2444$$

$$(N \ge 2595)$$

$$B_{\bar{N}}(2N+1990) = B_{\bar{N}}(2N+1990-B_{\bar{N}}(2N+1989)) + B_{\bar{N}}(2N+1990-B_{\bar{N}}(2N+1988)) + B_{\bar{N}}(2N+1990-B_{\bar{N}}(2N+1987))$$

$$= B_{\bar{N}}(2N+1990-(N+2444)) + B_{\bar{N}}(2N+1990-(2N-606)) + B_{\bar{N}}(2N+1990-(N+2445))$$

$$= B_{\bar{N}}(N-454) + B_{\bar{N}}(2596) + B_{\bar{N}}(N-455) = (N-454) + 2596 + (N-455) = 2N+1687$$

$$(N \ge 2596)$$

$$B_{\bar{N}}(2N+1991) = B_{\bar{N}}(2N+1991-B_{\bar{N}}(2N+1990)) + B_{\bar{N}}(2N+1991-B_{\bar{N}}(2N+1989)) + B_{\bar{N}}(2N+1991-B_{\bar{N}}(2N+1988))$$

$$= B_{\bar{N}}(2N+1991-(2N+1687)) + B_{\bar{N}}(2N+1991-(N+2444)) + B_{\bar{N}}(2N+1991-(2N-606))$$

$$= B_{\bar{N}}(304) + B_{\bar{N}}(N-453) + B_{\bar{N}}(2597) = 304 + (N-453) + 2597 = N + 2448$$

$$(N > 2597)$$

$$B_{\bar{N}}(2N+1992) = B_{\bar{N}}(2N+1992-B_{\bar{N}}(2N+1991)) + B_{\bar{N}}(2N+1992-B_{\bar{N}}(2N+1990)) + B_{\bar{N}}(2N+1992-B_{\bar{N}}(2N+1989))$$

$$= B_{\bar{N}}(2N+1992-(N+2448)) + B_{\bar{N}}(2N+1992-(2N+1687)) + B_{\bar{N}}(2N+1992-(N+2444))$$

$$= B_{\bar{N}}(N-456) + B_{\bar{N}}(305) + B_{\bar{N}}(N-452) = (N-456) + 305 + (N-452) = 2N-603$$

$$(N \ge 457)$$

$$B_{\bar{N}}(2N+1993) = B_{\bar{N}}(2N+1993-B_{\bar{N}}(2N+1992)) + B_{\bar{N}}(2N+1993-B_{\bar{N}}(2N+1991)) + B_{\bar{N}}(2N+1993-B_{\bar{N}}(2N+1990))$$

$$= B_{\bar{N}}(2N+1993-(2N-603)) + B_{\bar{N}}(2N+1993-(N+2448)) + B_{\bar{N}}(2N+1993-(2N+1687))$$

$$= B_{\bar{N}}(2596) + B_{\bar{N}}(N-455) + B_{\bar{N}}(306) = 2596 + (N-455) + 306 = N + 2447$$

$$(N \ge 2596)$$

$$B_{\bar{N}}(2N+1994) = B_{\bar{N}}(2N+1994-B_{\bar{N}}(2N+1993)) + B_{\bar{N}}(2N+1994-B_{\bar{N}}(2N+1992)) + B_{\bar{N}}(2N+1994-B_{\bar{N}}(2N+1991))$$

$$= B_{\bar{N}}(2N+1994-(N+2447)) + B_{\bar{N}}(2N+1994-(2N-603)) + B_{\bar{N}}(2N+1994-(N+2448))$$

$$= B_{\bar{N}}(N-453) + B_{\bar{N}}(2597) + B_{\bar{N}}(N-454) = (N-453) + 2597 + (N-454) = 2N+1690$$

$$(N \ge 2597)$$

$$B_{\bar{N}}(2N+1995) = B_{\bar{N}}(2N+1995-B_{\bar{N}}(2N+1994)) + B_{\bar{N}}(2N+1995-B_{\bar{N}}(2N+1993)) + B_{\bar{N}}(2N+1995-B_{\bar{N}}(2N+1992))$$

$$= B_{\bar{N}}(2N+1995-(2N+1690)) + B_{\bar{N}}(2N+1995-(N+2447)) + B_{\bar{N}}(2N+1995-(2N-603))$$

$$= B_{\bar{N}}(305) + B_{\bar{N}}(N-452) + B_{\bar{N}}(2598) = 305 + (N-452) + 2598 = N + 2451$$

$$(N \ge 2598)$$

$$B_{\bar{N}}(2N+1996) = B_{\bar{N}}(2N+1996-B_{\bar{N}}(2N+1995)) + B_{\bar{N}}(2N+1996-B_{\bar{N}}(2N+1994)) + B_{\bar{N}}(2N+1996-B_{\bar{N}}(2N+1993))$$

$$= B_{\bar{N}}(2N+1996-(N+2451)) + B_{\bar{N}}(2N+1996-(2N+1690)) + B_{\bar{N}}(2N+1996-(N+2447))$$

$$= B_{\bar{N}}(N-455) + B_{\bar{N}}(306) + B_{\bar{N}}(N-451) = (N-455) + 306 + (N-451) = 2N-600$$

$$(N \ge 456)$$

$$B_{\bar{N}}(2N+1997) = B_{\bar{N}}(2N+1997-B_{\bar{N}}(2N+1996)) + B_{\bar{N}}(2N+1997-B_{\bar{N}}(2N+1995)) + B_{\bar{N}}(2N+1997-B_{\bar{N}}(2N+1994))$$

$$= B_{\bar{N}}(2N+1997-(2N-600)) + B_{\bar{N}}(2N+1997-(N+2451)) + B_{\bar{N}}(2N+1997-(2N+1690))$$

$$= B_{\bar{N}}(2597) + B_{\bar{N}}(N-454) + B_{\bar{N}}(307) = 2597 + (N-454) + 307 = N + 2450$$

$$(N \ge 2597)$$

$$B_{\bar{N}}(2N+1998) = B_{\bar{N}}(2N+1998-B_{\bar{N}}(2N+1997)) + B_{\bar{N}}(2N+1998-B_{\bar{N}}(2N+1996)) + B_{\bar{N}}(2N+1998-B_{\bar{N}}(2N+1995))$$

$$= B_{\bar{N}}(2N+1998-(N+2450)) + B_{\bar{N}}(2N+1998-(2N-600)) + B_{\bar{N}}(2N+1998-(N+2451))$$

$$= B_{\bar{N}}(N-452) + B_{\bar{N}}(2598) + B_{\bar{N}}(N-453) = (N-452) + 2598 + (N-453) = 2N+1693$$

$$(N \ge 2598)$$

$$B_{\bar{N}}(2N+1999) = B_{\bar{N}}(2N+1999 - B_{\bar{N}}(2N+1998)) + B_{\bar{N}}(2N+1999 - B_{\bar{N}}(2N+1997)) + B_{\bar{N}}(2N+1999 - B_{\bar{N}}(2N+1996))$$

$$= B_{\bar{N}}(2N+1999 - (2N+1693)) + B_{\bar{N}}(2N+1999 - (N+2450)) + B_{\bar{N}}(2N+1999 - (2N-600))$$

$$= B_{\bar{N}}(306) + B_{\bar{N}}(N-451) + B_{\bar{N}}(2599) = 306 + (N-451) + 2599 = N + 2454$$

$$(N \ge 2599)$$

$$B_{\bar{N}}(2N+2000) = B_{\bar{N}}(2N+2000-B_{\bar{N}}(2N+1999)) + B_{\bar{N}}(2N+2000-B_{\bar{N}}(2N+1998)) + B_{\bar{N}}(2N+2000-B_{\bar{N}}(2N+1997))$$

$$= B_{\bar{N}}(2N+2000-(N+2454)) + B_{\bar{N}}(2N+2000-(2N+1693)) + B_{\bar{N}}(2N+2000-(N+2450))$$

$$= B_{\bar{N}}(N-454) + B_{\bar{N}}(307) + B_{\bar{N}}(N-450) = (N-454) + 307 + (N-450) = 2N-597$$

$$(N \ge 455)$$

$$B_{\bar{N}}(2N+2001) = B_{\bar{N}}(2N+2001-B_{\bar{N}}(2N+2000)) + B_{\bar{N}}(2N+2001-B_{\bar{N}}(2N+1999)) + B_{\bar{N}}(2N+2001-B_{\bar{N}}(2N+1998))$$

$$= B_{\bar{N}}(2N+2001-(2N-597)) + B_{\bar{N}}(2N+2001-(N+2454)) + B_{\bar{N}}(2N+2001-(2N+1693))$$

$$= B_{\bar{N}}(2598) + B_{\bar{N}}(N-453) + B_{\bar{N}}(308) = 2598 + (N-453) + 308 = N + 2453$$

$$(N > 2598)$$

$$B_{\bar{N}}(2N+2002) = B_{\bar{N}}(2N+2002-B_{\bar{N}}(2N+2001)) + B_{\bar{N}}(2N+2002-B_{\bar{N}}(2N+2000)) + B_{\bar{N}}(2N+2002-B_{\bar{N}}(2N+1999))$$

$$= B_{\bar{N}}(2N+2002-(N+2453)) + B_{\bar{N}}(2N+2002-(2N-597)) + B_{\bar{N}}(2N+2002-(N+2454))$$

$$= B_{\bar{N}}(N-451) + B_{\bar{N}}(2599) + B_{\bar{N}}(N-452) = (N-451) + 2599 + (N-452) = 2N+1696$$

$$(N \ge 2599)$$

$$B_{\bar{N}}(2N+2003) = B_{\bar{N}}(2N+2003 - B_{\bar{N}}(2N+2002)) + B_{\bar{N}}(2N+2003 - B_{\bar{N}}(2N+2001)) + B_{\bar{N}}(2N+2003 - B_{\bar{N}}(2N+2000))$$

$$= B_{\bar{N}}(2N+2003 - (2N+1696)) + B_{\bar{N}}(2N+2003 - (N+2453)) + B_{\bar{N}}(2N+2003 - (2N-597))$$

$$= B_{\bar{N}}(307) + B_{\bar{N}}(N-450) + B_{\bar{N}}(2600) = 307 + (N-450) + 2600 = N + 2457$$

$$(N \ge 2600)$$

$$B_{\bar{N}}(2N+2004) = B_{\bar{N}}(2N+2004-B_{\bar{N}}(2N+2003)) + B_{\bar{N}}(2N+2004-B_{\bar{N}}(2N+2002)) + B_{\bar{N}}(2N+2004-B_{\bar{N}}(2N+2001))$$

$$= B_{\bar{N}}(2N+2004-(N+2457)) + B_{\bar{N}}(2N+2004-(2N+1696)) + B_{\bar{N}}(2N+2004-(N+2453))$$

$$= B_{\bar{N}}(N-453) + B_{\bar{N}}(308) + B_{\bar{N}}(N-449) = (N-453) + 308 + (N-449) = 2N-594$$

$$(N \ge 454)$$

$$B_{\bar{N}}(2N+2005) = B_{\bar{N}}(2N+2005-B_{\bar{N}}(2N+2004)) + B_{\bar{N}}(2N+2005-B_{\bar{N}}(2N+2003)) + B_{\bar{N}}(2N+2005-B_{\bar{N}}(2N+2002))$$

$$= B_{\bar{N}}(2N+2005-(2N-594)) + B_{\bar{N}}(2N+2005-(N+2457)) + B_{\bar{N}}(2N+2005-(2N+1696))$$

$$= B_{\bar{N}}(2599) + B_{\bar{N}}(N-452) + B_{\bar{N}}(309) = 2599 + (N-452) + 309 = N + 2456$$

$$(N \ge 2599)$$

$$B_{\bar{N}}(2N+2006) = B_{\bar{N}}(2N+2006 - B_{\bar{N}}(2N+2005)) + B_{\bar{N}}(2N+2006 - B_{\bar{N}}(2N+2004)) + B_{\bar{N}}(2N+2006 - B_{\bar{N}}(2N+2003))$$

$$= B_{\bar{N}}(2N+2006 - (N+2456)) + B_{\bar{N}}(2N+2006 - (2N-594)) + B_{\bar{N}}(2N+2006 - (N+2457))$$

$$= B_{\bar{N}}(N-450) + B_{\bar{N}}(2600) + B_{\bar{N}}(N-451) = (N-450) + 2600 + (N-451) = 2N + 1699$$

$$(N \ge 2600)$$

$$B_{\bar{N}}(2N+2007) = B_{\bar{N}}(2N+2007 - B_{\bar{N}}(2N+2006)) + B_{\bar{N}}(2N+2007 - B_{\bar{N}}(2N+2005)) + B_{\bar{N}}(2N+2007 - B_{\bar{N}}(2N+2004))$$

$$= B_{\bar{N}}(2N+2007 - (2N+1699)) + B_{\bar{N}}(2N+2007 - (N+2456)) + B_{\bar{N}}(2N+2007 - (2N-594))$$

$$= B_{\bar{N}}(308) + B_{\bar{N}}(N-449) + B_{\bar{N}}(2601) = 308 + (N-449) + 2601 = N + 2460$$

$$(N \ge 2601)$$

$$B_{\bar{N}}(2N+2008) = B_{\bar{N}}(2N+2008-B_{\bar{N}}(2N+2007)) + B_{\bar{N}}(2N+2008-B_{\bar{N}}(2N+2006)) + B_{\bar{N}}(2N+2008-B_{\bar{N}}(2N+2005))$$

$$= B_{\bar{N}}(2N+2008-(N+2460)) + B_{\bar{N}}(2N+2008-(2N+1699)) + B_{\bar{N}}(2N+2008-(N+2456))$$

$$= B_{\bar{N}}(N-452) + B_{\bar{N}}(309) + B_{\bar{N}}(N-448) = (N-452) + 309 + (N-448) = 2N-591$$

$$(N \ge 453)$$

$$B_{\bar{N}}(2N+2009) = B_{\bar{N}}(2N+2009 - B_{\bar{N}}(2N+2008)) + B_{\bar{N}}(2N+2009 - B_{\bar{N}}(2N+2007)) + B_{\bar{N}}(2N+2009 - B_{\bar{N}}(2N+2006))$$

$$= B_{\bar{N}}(2N+2009 - (2N-591)) + B_{\bar{N}}(2N+2009 - (N+2460)) + B_{\bar{N}}(2N+2009 - (2N+1699))$$

$$= B_{\bar{N}}(2600) + B_{\bar{N}}(N-451) + B_{\bar{N}}(310) = 2600 + (N-451) + 310 = N + 2459$$

$$(N \ge 2600)$$

$$B_{\bar{N}}(2N+2010) = B_{\bar{N}}(2N+2010 - B_{\bar{N}}(2N+2009)) + B_{\bar{N}}(2N+2010 - B_{\bar{N}}(2N+2008)) + B_{\bar{N}}(2N+2010 - B_{\bar{N}}(2N+2007))$$

$$= B_{\bar{N}}(2N+2010 - (N+2459)) + B_{\bar{N}}(2N+2010 - (2N-591)) + B_{\bar{N}}(2N+2010 - (N+2460))$$

$$= B_{\bar{N}}(N-449) + B_{\bar{N}}(2601) + B_{\bar{N}}(N-450) = (N-449) + 2601 + (N-450) = 2N + 1702$$

$$(N \ge 2601)$$

$$B_{\bar{N}}(2N+2011) = B_{\bar{N}}(2N+2011 - B_{\bar{N}}(2N+2010)) + B_{\bar{N}}(2N+2011 - B_{\bar{N}}(2N+2009)) + B_{\bar{N}}(2N+2011 - B_{\bar{N}}(2N+2008))$$

$$= B_{\bar{N}}(2N+2011 - (2N+1702)) + B_{\bar{N}}(2N+2011 - (N+2459)) + B_{\bar{N}}(2N+2011 - (2N-591))$$

$$= B_{\bar{N}}(309) + B_{\bar{N}}(N-448) + B_{\bar{N}}(2602) = 309 + (N-448) + 2602 = N + 2463$$

$$(N \ge 2602)$$

$$B_{\bar{N}}(2N+2012) = B_{\bar{N}}(2N+2012-B_{\bar{N}}(2N+2011)) + B_{\bar{N}}(2N+2012-B_{\bar{N}}(2N+2010)) + B_{\bar{N}}(2N+2012-B_{\bar{N}}(2N+2009))$$

$$= B_{\bar{N}}(2N+2012-(N+2463)) + B_{\bar{N}}(2N+2012-(2N+1702)) + B_{\bar{N}}(2N+2012-(N+2459))$$

$$= B_{\bar{N}}(N-451) + B_{\bar{N}}(310) + B_{\bar{N}}(N-447) = (N-451) + 310 + (N-447) = 2N-588$$

$$(N \ge 452)$$

$$\begin{split} B_{\bar{N}}(2N+2013) &= B_{\bar{N}}(2N+2013-B_{\bar{N}}(2N+2012)) + B_{\bar{N}}(2N+2013-B_{\bar{N}}(2N+2011)) + B_{\bar{N}}(2N+2013-B_{\bar{N}}(2N+2010)) \\ &= B_{\bar{N}}(2N+2013-(2N-588)) + B_{\bar{N}}(2N+2013-(N+2463)) + B_{\bar{N}}(2N+2013-(2N+1702)) \\ &= B_{\bar{N}}(2601) + B_{\bar{N}}(N-450) + B_{\bar{N}}(311) = 2601 + (N-450) + 311 = N + 2462 \\ &\qquad (N \geq 2601) \end{split}$$

$$B_{\bar{N}}(2N+2014) = B_{\bar{N}}(2N+2014 - B_{\bar{N}}(2N+2013)) + B_{\bar{N}}(2N+2014 - B_{\bar{N}}(2N+2012)) + B_{\bar{N}}(2N+2014 - B_{\bar{N}}(2N+2011))$$

$$= B_{\bar{N}}(2N+2014 - (N+2462)) + B_{\bar{N}}(2N+2014 - (2N-588)) + B_{\bar{N}}(2N+2014 - (N+2463))$$

$$= B_{\bar{N}}(N-448) + B_{\bar{N}}(2602) + B_{\bar{N}}(N-449) = (N-448) + 2602 + (N-449) = 2N + 1705$$

$$(N \ge 2602)$$

$$B_{\bar{N}}(2N+2015) = B_{\bar{N}}(2N+2015-B_{\bar{N}}(2N+2014)) + B_{\bar{N}}(2N+2015-B_{\bar{N}}(2N+2013)) + B_{\bar{N}}(2N+2015-B_{\bar{N}}(2N+2012))$$

$$= B_{\bar{N}}(2N+2015-(2N+1705)) + B_{\bar{N}}(2N+2015-(N+2462)) + B_{\bar{N}}(2N+2015-(2N-588))$$

$$= B_{\bar{N}}(310) + B_{\bar{N}}(N-447) + B_{\bar{N}}(2603) = 310 + (N-447) + 2603 = N + 2466$$

$$(N \ge 2603)$$

$$B_{\bar{N}}(2N+2016) = B_{\bar{N}}(2N+2016-B_{\bar{N}}(2N+2015)) + B_{\bar{N}}(2N+2016-B_{\bar{N}}(2N+2014)) + B_{\bar{N}}(2N+2016-B_{\bar{N}}(2N+2013))$$

$$= B_{\bar{N}}(2N+2016-(N+2466)) + B_{\bar{N}}(2N+2016-(2N+1705)) + B_{\bar{N}}(2N+2016-(N+2462))$$

$$= B_{\bar{N}}(N-450) + B_{\bar{N}}(311) + B_{\bar{N}}(N-446) = (N-450) + 311 + (N-446) = 2N-585$$

$$(N \ge 451)$$

$$B_{\bar{N}}(2N+2017) = B_{\bar{N}}(2N+2017 - B_{\bar{N}}(2N+2016)) + B_{\bar{N}}(2N+2017 - B_{\bar{N}}(2N+2015)) + B_{\bar{N}}(2N+2017 - B_{\bar{N}}(2N+2014))$$

$$= B_{\bar{N}}(2N+2017 - (2N-585)) + B_{\bar{N}}(2N+2017 - (N+2466)) + B_{\bar{N}}(2N+2017 - (2N+1705))$$

$$= B_{\bar{N}}(2602) + B_{\bar{N}}(N-449) + B_{\bar{N}}(312) = 2602 + (N-449) + 312 = N + 2465$$

$$(N \ge 2602)$$

$$B_{\bar{N}}(2N+2018) = B_{\bar{N}}(2N+2018-B_{\bar{N}}(2N+2017)) + B_{\bar{N}}(2N+2018-B_{\bar{N}}(2N+2016)) + B_{\bar{N}}(2N+2018-B_{\bar{N}}(2N+2015))$$

$$= B_{\bar{N}}(2N+2018-(N+2465)) + B_{\bar{N}}(2N+2018-(2N-585)) + B_{\bar{N}}(2N+2018-(N+2466))$$

$$= B_{\bar{N}}(N-447) + B_{\bar{N}}(2603) + B_{\bar{N}}(N-448) = (N-447) + 2603 + (N-448) = 2N + 1708$$

$$(N \ge 2603)$$

$$B_{\bar{N}}(2N+2019) = B_{\bar{N}}(2N+2019 - B_{\bar{N}}(2N+2018)) + B_{\bar{N}}(2N+2019 - B_{\bar{N}}(2N+2017)) + B_{\bar{N}}(2N+2019 - B_{\bar{N}}(2N+2016))$$

$$= B_{\bar{N}}(2N+2019 - (2N+1708)) + B_{\bar{N}}(2N+2019 - (N+2465)) + B_{\bar{N}}(2N+2019 - (2N-585))$$

$$= B_{\bar{N}}(311) + B_{\bar{N}}(N-446) + B_{\bar{N}}(2604) = 311 + (N-446) + 2604 = N + 2469$$

$$(N \ge 2604)$$

$$B_{\bar{N}}(2N+2020) = B_{\bar{N}}(2N+2020 - B_{\bar{N}}(2N+2019)) + B_{\bar{N}}(2N+2020 - B_{\bar{N}}(2N+2018)) + B_{\bar{N}}(2N+2020 - B_{\bar{N}}(2N+2017))$$

$$= B_{\bar{N}}(2N+2020 - (N+2469)) + B_{\bar{N}}(2N+2020 - (2N+1708)) + B_{\bar{N}}(2N+2020 - (N+2465))$$

$$= B_{\bar{N}}(N-449) + B_{\bar{N}}(312) + B_{\bar{N}}(N-445) = (N-449) + 312 + (N-445) = 2N-582$$

$$(N \ge 450)$$

$$B_{\bar{N}}(2N+2021) = B_{\bar{N}}(2N+2021 - B_{\bar{N}}(2N+2020)) + B_{\bar{N}}(2N+2021 - B_{\bar{N}}(2N+2019)) + B_{\bar{N}}(2N+2021 - B_{\bar{N}}(2N+2018))$$

$$= B_{\bar{N}}(2N+2021 - (2N-582)) + B_{\bar{N}}(2N+2021 - (N+2469)) + B_{\bar{N}}(2N+2021 - (2N+1708))$$

$$= B_{\bar{N}}(2603) + B_{\bar{N}}(N-448) + B_{\bar{N}}(313) = 2603 + (N-448) + 313 = N + 2468$$

$$(N \ge 2603)$$

$$B_{\bar{N}}(2N+2022) = B_{\bar{N}}(2N+2022-B_{\bar{N}}(2N+2021)) + B_{\bar{N}}(2N+2022-B_{\bar{N}}(2N+2020)) + B_{\bar{N}}(2N+2022-B_{\bar{N}}(2N+2019))$$

$$= B_{\bar{N}}(2N+2022-(N+2468)) + B_{\bar{N}}(2N+2022-(2N-582)) + B_{\bar{N}}(2N+2022-(N+2469))$$

$$= B_{\bar{N}}(N-446) + B_{\bar{N}}(2604) + B_{\bar{N}}(N-447) = (N-446) + 2604 + (N-447) = 2N + 1711$$

$$(N \ge 2604)$$

$$B_{\bar{N}}(2N+2023) = B_{\bar{N}}(2N+2023 - B_{\bar{N}}(2N+2022)) + B_{\bar{N}}(2N+2023 - B_{\bar{N}}(2N+2021)) + B_{\bar{N}}(2N+2023 - B_{\bar{N}}(2N+2020))$$

$$= B_{\bar{N}}(2N+2023 - (2N+1711)) + B_{\bar{N}}(2N+2023 - (N+2468)) + B_{\bar{N}}(2N+2023 - (2N-582))$$

$$= B_{\bar{N}}(312) + B_{\bar{N}}(N-445) + B_{\bar{N}}(2605) = 312 + (N-445) + 2605 = N + 2472$$

$$(N \ge 2605)$$

$$B_{\bar{N}}(2N+2024) = B_{\bar{N}}(2N+2024-B_{\bar{N}}(2N+2023)) + B_{\bar{N}}(2N+2024-B_{\bar{N}}(2N+2022)) + B_{\bar{N}}(2N+2024-B_{\bar{N}}(2N+2021))$$

$$= B_{\bar{N}}(2N+2024-(N+2472)) + B_{\bar{N}}(2N+2024-(2N+1711)) + B_{\bar{N}}(2N+2024-(N+2468))$$

$$= B_{\bar{N}}(N-448) + B_{\bar{N}}(313) + B_{\bar{N}}(N-444) = (N-448) + 313 + (N-444) = 2N-579$$

$$(N \ge 449)$$

$$B_{\bar{N}}(2N+2025) = B_{\bar{N}}(2N+2025-B_{\bar{N}}(2N+2024)) + B_{\bar{N}}(2N+2025-B_{\bar{N}}(2N+2023)) + B_{\bar{N}}(2N+2025-B_{\bar{N}}(2N+2022))$$

$$= B_{\bar{N}}(2N+2025-(2N-579)) + B_{\bar{N}}(2N+2025-(N+2472)) + B_{\bar{N}}(2N+2025-(2N+1711))$$

$$= B_{\bar{N}}(2604) + B_{\bar{N}}(N-447) + B_{\bar{N}}(314) = 2604 + (N-447) + 314 = N + 2471$$

$$(N \ge 2604)$$

$$B_{\bar{N}}(2N+2026) = B_{\bar{N}}(2N+2026-B_{\bar{N}}(2N+2025)) + B_{\bar{N}}(2N+2026-B_{\bar{N}}(2N+2024)) + B_{\bar{N}}(2N+2026-B_{\bar{N}}(2N+2023))$$

$$= B_{\bar{N}}(2N+2026-(N+2471)) + B_{\bar{N}}(2N+2026-(2N-579)) + B_{\bar{N}}(2N+2026-(N+2472))$$

$$= B_{\bar{N}}(N-445) + B_{\bar{N}}(2605) + B_{\bar{N}}(N-446) = (N-445) + 2605 + (N-446) = 2N+1714$$

$$(N \ge 2605)$$

$$B_{\bar{N}}(2N+2027) = B_{\bar{N}}(2N+2027 - B_{\bar{N}}(2N+2026)) + B_{\bar{N}}(2N+2027 - B_{\bar{N}}(2N+2025)) + B_{\bar{N}}(2N+2027 - B_{\bar{N}}(2N+2024))$$

$$= B_{\bar{N}}(2N+2027 - (2N+1714)) + B_{\bar{N}}(2N+2027 - (N+2471)) + B_{\bar{N}}(2N+2027 - (2N-579))$$

$$= B_{\bar{N}}(313) + B_{\bar{N}}(N-444) + B_{\bar{N}}(2606) = 313 + (N-444) + 2606 = N + 2475$$

$$(N > 2606)$$

$$B_{\bar{N}}(2N+2028) = B_{\bar{N}}(2N+2028-B_{\bar{N}}(2N+2027)) + B_{\bar{N}}(2N+2028-B_{\bar{N}}(2N+2026)) + B_{\bar{N}}(2N+2028-B_{\bar{N}}(2N+2025))$$

$$= B_{\bar{N}}(2N+2028-(N+2475)) + B_{\bar{N}}(2N+2028-(2N+1714)) + B_{\bar{N}}(2N+2028-(N+2471))$$

$$= B_{\bar{N}}(N-447) + B_{\bar{N}}(314) + B_{\bar{N}}(N-443) = (N-447) + 314 + (N-443) = 2N-576$$

$$(N \ge 448)$$

$$B_{\bar{N}}(2N+2029) = B_{\bar{N}}(2N+2029 - B_{\bar{N}}(2N+2028)) + B_{\bar{N}}(2N+2029 - B_{\bar{N}}(2N+2027)) + B_{\bar{N}}(2N+2029 - B_{\bar{N}}(2N+2026))$$

$$= B_{\bar{N}}(2N+2029 - (2N-576)) + B_{\bar{N}}(2N+2029 - (N+2475)) + B_{\bar{N}}(2N+2029 - (2N+1714))$$

$$= B_{\bar{N}}(2605) + B_{\bar{N}}(N-446) + B_{\bar{N}}(315) = 2605 + (N-446) + 315 = N + 2474$$

$$(N \ge 2605)$$

$$B_{\bar{N}}(2N+2030) = B_{\bar{N}}(2N+2030 - B_{\bar{N}}(2N+2029)) + B_{\bar{N}}(2N+2030 - B_{\bar{N}}(2N+2028)) + B_{\bar{N}}(2N+2030 - B_{\bar{N}}(2N+2027))$$

$$= B_{\bar{N}}(2N+2030 - (N+2474)) + B_{\bar{N}}(2N+2030 - (2N-576)) + B_{\bar{N}}(2N+2030 - (N+2475))$$

$$= B_{\bar{N}}(N-444) + B_{\bar{N}}(2606) + B_{\bar{N}}(N-445) = (N-444) + 2606 + (N-445) = 2N + 1717$$

$$(N \ge 2606)$$

$$B_{\bar{N}}(2N+2031) = B_{\bar{N}}(2N+2031-B_{\bar{N}}(2N+2030)) + B_{\bar{N}}(2N+2031-B_{\bar{N}}(2N+2029)) + B_{\bar{N}}(2N+2031-B_{\bar{N}}(2N+2028))$$

$$= B_{\bar{N}}(2N+2031-(2N+1717)) + B_{\bar{N}}(2N+2031-(N+2474)) + B_{\bar{N}}(2N+2031-(2N-576))$$

$$= B_{\bar{N}}(314) + B_{\bar{N}}(N-443) + B_{\bar{N}}(2607) = 314 + (N-443) + 2607 = N + 2478$$

$$(N \ge 2607)$$

$$B_{\bar{N}}(2N+2032) = B_{\bar{N}}(2N+2032-B_{\bar{N}}(2N+2031)) + B_{\bar{N}}(2N+2032-B_{\bar{N}}(2N+2030)) + B_{\bar{N}}(2N+2032-B_{\bar{N}}(2N+2029))$$

$$= B_{\bar{N}}(2N+2032-(N+2478)) + B_{\bar{N}}(2N+2032-(2N+1717)) + B_{\bar{N}}(2N+2032-(N+2474))$$

$$= B_{\bar{N}}(N-446) + B_{\bar{N}}(315) + B_{\bar{N}}(N-442) = (N-446) + 315 + (N-442) = 2N-573$$

$$(N \ge 447)$$

$$B_{\bar{N}}(2N+2033) = B_{\bar{N}}(2N+2033-B_{\bar{N}}(2N+2032)) + B_{\bar{N}}(2N+2033-B_{\bar{N}}(2N+2031)) + B_{\bar{N}}(2N+2033-B_{\bar{N}}(2N+2030))$$

$$= B_{\bar{N}}(2N+2033-(2N-573)) + B_{\bar{N}}(2N+2033-(N+2478)) + B_{\bar{N}}(2N+2033-(2N+1717))$$

$$= B_{\bar{N}}(2606) + B_{\bar{N}}(N-445) + B_{\bar{N}}(316) = 2606 + (N-445) + 316 = N + 2477$$

$$(N \ge 2606)$$

$$B_{\bar{N}}(2N+2034) = B_{\bar{N}}(2N+2034-B_{\bar{N}}(2N+2033)) + B_{\bar{N}}(2N+2034-B_{\bar{N}}(2N+2032)) + B_{\bar{N}}(2N+2034-B_{\bar{N}}(2N+2031))$$

$$= B_{\bar{N}}(2N+2034-(N+2477)) + B_{\bar{N}}(2N+2034-(2N-573)) + B_{\bar{N}}(2N+2034-(N+2478))$$

$$= B_{\bar{N}}(N-443) + B_{\bar{N}}(2607) + B_{\bar{N}}(N-444) = (N-443) + 2607 + (N-444) = 2N+1720$$

$$(N \ge 2607)$$

$$B_{\bar{N}}(2N+2035) = B_{\bar{N}}(2N+2035-B_{\bar{N}}(2N+2034)) + B_{\bar{N}}(2N+2035-B_{\bar{N}}(2N+2033)) + B_{\bar{N}}(2N+2035-B_{\bar{N}}(2N+2032))$$

$$= B_{\bar{N}}(2N+2035-(2N+1720)) + B_{\bar{N}}(2N+2035-(N+2477)) + B_{\bar{N}}(2N+2035-(2N-573))$$

$$= B_{\bar{N}}(315) + B_{\bar{N}}(N-442) + B_{\bar{N}}(2608) = 315 + (N-442) + 2608 = N + 2481$$

$$(N \ge 2608)$$

$$B_{\bar{N}}(2N+2036) = B_{\bar{N}}(2N+2036-B_{\bar{N}}(2N+2035)) + B_{\bar{N}}(2N+2036-B_{\bar{N}}(2N+2034)) + B_{\bar{N}}(2N+2036-B_{\bar{N}}(2N+2033))$$

$$= B_{\bar{N}}(2N+2036-(N+2481)) + B_{\bar{N}}(2N+2036-(2N+1720)) + B_{\bar{N}}(2N+2036-(N+2477))$$

$$= B_{\bar{N}}(N-445) + B_{\bar{N}}(316) + B_{\bar{N}}(N-441) = (N-445) + 316 + (N-441) = 2N-570$$

$$(N \ge 446)$$

$$B_{\bar{N}}(2N+2037) = B_{\bar{N}}(2N+2037-B_{\bar{N}}(2N+2036)) + B_{\bar{N}}(2N+2037-B_{\bar{N}}(2N+2035)) + B_{\bar{N}}(2N+2037-B_{\bar{N}}(2N+2034))$$

$$= B_{\bar{N}}(2N+2037-(2N-570)) + B_{\bar{N}}(2N+2037-(N+2481)) + B_{\bar{N}}(2N+2037-(2N+1720))$$

$$= B_{\bar{N}}(2607) + B_{\bar{N}}(N-444) + B_{\bar{N}}(317) = 2607 + (N-444) + 317 = N + 2480$$

$$(N \ge 2607)$$

$$\begin{split} B_{\bar{N}}(2N+2038) &= B_{\bar{N}}(2N+2038-B_{\bar{N}}(2N+2037)) + B_{\bar{N}}(2N+2038-B_{\bar{N}}(2N+2036)) + B_{\bar{N}}(2N+2038-B_{\bar{N}}(2N+2035)) \\ &= B_{\bar{N}}(2N+2038-(N+2480)) + B_{\bar{N}}(2N+2038-(2N-570)) + B_{\bar{N}}(2N+2038-(N+2481)) \\ &= B_{\bar{N}}(N-442) + B_{\bar{N}}(2608) + B_{\bar{N}}(N-443) = (N-442) + 2608 + (N-443) = 2N+1723 \\ &(N \geq 2608) \end{split}$$

$$B_{\bar{N}}(2N+2039) = B_{\bar{N}}(2N+2039 - B_{\bar{N}}(2N+2038)) + B_{\bar{N}}(2N+2039 - B_{\bar{N}}(2N+2037)) + B_{\bar{N}}(2N+2039 - B_{\bar{N}}(2N+2036))$$

$$= B_{\bar{N}}(2N+2039 - (2N+1723)) + B_{\bar{N}}(2N+2039 - (N+2480)) + B_{\bar{N}}(2N+2039 - (2N-570))$$

$$= B_{\bar{N}}(316) + B_{\bar{N}}(N-441) + B_{\bar{N}}(2609) = 316 + (N-441) + 2609 = N + 2484$$

$$(N \ge 2609)$$

$$B_{\bar{N}}(2N+2040) = B_{\bar{N}}(2N+2040-B_{\bar{N}}(2N+2039)) + B_{\bar{N}}(2N+2040-B_{\bar{N}}(2N+2038)) + B_{\bar{N}}(2N+2040-B_{\bar{N}}(2N+2037))$$

$$= B_{\bar{N}}(2N+2040-(N+2484)) + B_{\bar{N}}(2N+2040-(2N+1723)) + B_{\bar{N}}(2N+2040-(N+2480))$$

$$= B_{\bar{N}}(N-444) + B_{\bar{N}}(317) + B_{\bar{N}}(N-440) = (N-444) + 317 + (N-440) = 2N-567$$

$$(N \ge 445)$$

$$B_{\bar{N}}(2N+2041) = B_{\bar{N}}(2N+2041-B_{\bar{N}}(2N+2040)) + B_{\bar{N}}(2N+2041-B_{\bar{N}}(2N+2039)) + B_{\bar{N}}(2N+2041-B_{\bar{N}}(2N+2038))$$

$$= B_{\bar{N}}(2N+2041-(2N-567)) + B_{\bar{N}}(2N+2041-(N+2484)) + B_{\bar{N}}(2N+2041-(2N+1723))$$

$$= B_{\bar{N}}(2608) + B_{\bar{N}}(N-443) + B_{\bar{N}}(318) = 2608 + (N-443) + 318 = N + 2483$$

$$(N > 2608)$$

$$B_{\bar{N}}(2N+2042) = B_{\bar{N}}(2N+2042-B_{\bar{N}}(2N+2041)) + B_{\bar{N}}(2N+2042-B_{\bar{N}}(2N+2040)) + B_{\bar{N}}(2N+2042-B_{\bar{N}}(2N+2039))$$

$$= B_{\bar{N}}(2N+2042-(N+2483)) + B_{\bar{N}}(2N+2042-(2N-567)) + B_{\bar{N}}(2N+2042-(N+2484))$$

$$= B_{\bar{N}}(N-441) + B_{\bar{N}}(2609) + B_{\bar{N}}(N-442) = (N-441) + 2609 + (N-442) = 2N + 1726$$

$$(N \ge 2609)$$

$$B_{\bar{N}}(2N+2043) = B_{\bar{N}}(2N+2043-B_{\bar{N}}(2N+2042)) + B_{\bar{N}}(2N+2043-B_{\bar{N}}(2N+2041)) + B_{\bar{N}}(2N+2043-B_{\bar{N}}(2N+2040))$$

$$= B_{\bar{N}}(2N+2043-(2N+1726)) + B_{\bar{N}}(2N+2043-(N+2483)) + B_{\bar{N}}(2N+2043-(2N-567))$$

$$= B_{\bar{N}}(317) + B_{\bar{N}}(N-440) + B_{\bar{N}}(2610) = 317 + (N-440) + 2610 = N + 2487$$

$$(N \ge 2610)$$

$$B_{\bar{N}}(2N+2044) = B_{\bar{N}}(2N+2044-B_{\bar{N}}(2N+2043)) + B_{\bar{N}}(2N+2044-B_{\bar{N}}(2N+2042)) + B_{\bar{N}}(2N+2044-B_{\bar{N}}(2N+2041))$$

$$= B_{\bar{N}}(2N+2044-(N+2487)) + B_{\bar{N}}(2N+2044-(2N+1726)) + B_{\bar{N}}(2N+2044-(N+2483))$$

$$= B_{\bar{N}}(N-443) + B_{\bar{N}}(318) + B_{\bar{N}}(N-439) = (N-443) + 318 + (N-439) = 2N-564$$

$$(N \ge 444)$$

$$B_{\bar{N}}(2N+2045) = B_{\bar{N}}(2N+2045-B_{\bar{N}}(2N+2044)) + B_{\bar{N}}(2N+2045-B_{\bar{N}}(2N+2043)) + B_{\bar{N}}(2N+2045-B_{\bar{N}}(2N+2042))$$

$$= B_{\bar{N}}(2N+2045-(2N-564)) + B_{\bar{N}}(2N+2045-(N+2487)) + B_{\bar{N}}(2N+2045-(2N+1726))$$

$$= B_{\bar{N}}(2609) + B_{\bar{N}}(N-442) + B_{\bar{N}}(319) = 2609 + (N-442) + 319 = N + 2486$$

$$(N \ge 2609)$$

$$B_{\bar{N}}(2N+2046) = B_{\bar{N}}(2N+2046-B_{\bar{N}}(2N+2045)) + B_{\bar{N}}(2N+2046-B_{\bar{N}}(2N+2044)) + B_{\bar{N}}(2N+2046-B_{\bar{N}}(2N+2043))$$

$$= B_{\bar{N}}(2N+2046-(N+2486)) + B_{\bar{N}}(2N+2046-(2N-564)) + B_{\bar{N}}(2N+2046-(N+2487))$$

$$= B_{\bar{N}}(N-440) + B_{\bar{N}}(2610) + B_{\bar{N}}(N-441) = (N-440) + 2610 + (N-441) = 2N + 1729$$

$$(N \ge 2610)$$

$$B_{\bar{N}}(2N+2047) = B_{\bar{N}}(2N+2047 - B_{\bar{N}}(2N+2046)) + B_{\bar{N}}(2N+2047 - B_{\bar{N}}(2N+2045)) + B_{\bar{N}}(2N+2047 - B_{\bar{N}}(2N+2044))$$

$$= B_{\bar{N}}(2N+2047 - (2N+1729)) + B_{\bar{N}}(2N+2047 - (N+2486)) + B_{\bar{N}}(2N+2047 - (2N-564))$$

$$= B_{\bar{N}}(318) + B_{\bar{N}}(N-439) + B_{\bar{N}}(2611) = 318 + (N-439) + 2611 = N + 2490$$

$$(N \ge 2611)$$

$$B_{\bar{N}}(2N+2048) = B_{\bar{N}}(2N+2048-B_{\bar{N}}(2N+2047)) + B_{\bar{N}}(2N+2048-B_{\bar{N}}(2N+2046)) + B_{\bar{N}}(2N+2048-B_{\bar{N}}(2N+2045))$$

$$= B_{\bar{N}}(2N+2048-(N+2490)) + B_{\bar{N}}(2N+2048-(2N+1729)) + B_{\bar{N}}(2N+2048-(N+2486))$$

$$= B_{\bar{N}}(N-442) + B_{\bar{N}}(319) + B_{\bar{N}}(N-438) = (N-442) + 319 + (N-438) = 2N-561$$

$$(N \ge 443)$$

$$B_{\bar{N}}(2N+2049) = B_{\bar{N}}(2N+2049 - B_{\bar{N}}(2N+2048)) + B_{\bar{N}}(2N+2049 - B_{\bar{N}}(2N+2047)) + B_{\bar{N}}(2N+2049 - B_{\bar{N}}(2N+2049))$$

$$= B_{\bar{N}}(2N+2049 - (2N-561)) + B_{\bar{N}}(2N+2049 - (N+2490)) + B_{\bar{N}}(2N+2049 - (2N+1729))$$

$$= B_{\bar{N}}(2610) + B_{\bar{N}}(N-441) + B_{\bar{N}}(320) = 2610 + (N-441) + 320 = N + 2489$$

$$(N \ge 2610)$$

$$B_{\bar{N}}(2N+2050) = B_{\bar{N}}(2N+2050 - B_{\bar{N}}(2N+2049)) + B_{\bar{N}}(2N+2050 - B_{\bar{N}}(2N+2048)) + B_{\bar{N}}(2N+2050 - B_{\bar{N}}(2N+2047))$$

$$= B_{\bar{N}}(2N+2050 - (N+2489)) + B_{\bar{N}}(2N+2050 - (2N-561)) + B_{\bar{N}}(2N+2050 - (N+2490))$$

$$= B_{\bar{N}}(N-439) + B_{\bar{N}}(2611) + B_{\bar{N}}(N-440) = (N-439) + 2611 + (N-440) = 2N + 1732$$

$$(N \ge 2611)$$

$$B_{\bar{N}}(2N+2051) = B_{\bar{N}}(2N+2051 - B_{\bar{N}}(2N+2050)) + B_{\bar{N}}(2N+2051 - B_{\bar{N}}(2N+2049)) + B_{\bar{N}}(2N+2051 - B_{\bar{N}}(2N+2048))$$

$$= B_{\bar{N}}(2N+2051 - (2N+1732)) + B_{\bar{N}}(2N+2051 - (N+2489)) + B_{\bar{N}}(2N+2051 - (2N-561))$$

$$= B_{\bar{N}}(319) + B_{\bar{N}}(N-438) + B_{\bar{N}}(2612) = 319 + (N-438) + 2612 = N + 2493$$

$$(N \ge 2612)$$

$$B_{\bar{N}}(2N+2052) = B_{\bar{N}}(2N+2052-B_{\bar{N}}(2N+2051)) + B_{\bar{N}}(2N+2052-B_{\bar{N}}(2N+2050)) + B_{\bar{N}}(2N+2052-B_{\bar{N}}(2N+2049))$$

$$= B_{\bar{N}}(2N+2052-(N+2493)) + B_{\bar{N}}(2N+2052-(2N+1732)) + B_{\bar{N}}(2N+2052-(N+2489))$$

$$= B_{\bar{N}}(N-441) + B_{\bar{N}}(320) + B_{\bar{N}}(N-437) = (N-441) + 320 + (N-437) = 2N-558$$

$$(N \ge 442)$$

$$B_{\bar{N}}(2N+2053) = B_{\bar{N}}(2N+2053-B_{\bar{N}}(2N+2052)) + B_{\bar{N}}(2N+2053-B_{\bar{N}}(2N+2051)) + B_{\bar{N}}(2N+2053-B_{\bar{N}}(2N+2050))$$

$$= B_{\bar{N}}(2N+2053-(2N-558)) + B_{\bar{N}}(2N+2053-(N+2493)) + B_{\bar{N}}(2N+2053-(2N+1732))$$

$$= B_{\bar{N}}(2611) + B_{\bar{N}}(N-440) + B_{\bar{N}}(321) = 2611 + (N-440) + 321 = N + 2492$$

$$(N \ge 2611)$$

$$B_{\bar{N}}(2N+2054) = B_{\bar{N}}(2N+2054-B_{\bar{N}}(2N+2053)) + B_{\bar{N}}(2N+2054-B_{\bar{N}}(2N+2052)) + B_{\bar{N}}(2N+2054-B_{\bar{N}}(2N+2051))$$

$$= B_{\bar{N}}(2N+2054-(N+2492)) + B_{\bar{N}}(2N+2054-(2N-558)) + B_{\bar{N}}(2N+2054-(N+2493))$$

$$= B_{\bar{N}}(N-438) + B_{\bar{N}}(2612) + B_{\bar{N}}(N-439) = (N-438) + 2612 + (N-439) = 2N + 1735$$

$$(N \ge 2612)$$

$$B_{\bar{N}}(2N+2055) = B_{\bar{N}}(2N+2055-B_{\bar{N}}(2N+2054)) + B_{\bar{N}}(2N+2055-B_{\bar{N}}(2N+2053)) + B_{\bar{N}}(2N+2055-B_{\bar{N}}(2N+2052))$$

$$= B_{\bar{N}}(2N+2055-(2N+1735)) + B_{\bar{N}}(2N+2055-(N+2492)) + B_{\bar{N}}(2N+2055-(2N-558))$$

$$= B_{\bar{N}}(320) + B_{\bar{N}}(N-437) + B_{\bar{N}}(2613) = 320 + (N-437) + 2613 = N + 2496$$

$$(N \ge 2613)$$

$$B_{\bar{N}}(2N+2056) = B_{\bar{N}}(2N+2056-B_{\bar{N}}(2N+2055)) + B_{\bar{N}}(2N+2056-B_{\bar{N}}(2N+2054)) + B_{\bar{N}}(2N+2056-B_{\bar{N}}(2N+2053))$$

$$= B_{\bar{N}}(2N+2056-(N+2496)) + B_{\bar{N}}(2N+2056-(2N+1735)) + B_{\bar{N}}(2N+2056-(N+2492))$$

$$= B_{\bar{N}}(N-440) + B_{\bar{N}}(321) + B_{\bar{N}}(N-436) = (N-440) + 321 + (N-436) = 2N-555$$

$$(N \ge 441)$$

$$B_{\bar{N}}(2N+2057) = B_{\bar{N}}(2N+2057 - B_{\bar{N}}(2N+2056)) + B_{\bar{N}}(2N+2057 - B_{\bar{N}}(2N+2055)) + B_{\bar{N}}(2N+2057 - B_{\bar{N}}(2N+2054))$$

$$= B_{\bar{N}}(2N+2057 - (2N-555)) + B_{\bar{N}}(2N+2057 - (N+2496)) + B_{\bar{N}}(2N+2057 - (2N+1735))$$

$$= B_{\bar{N}}(2612) + B_{\bar{N}}(N-439) + B_{\bar{N}}(322) = 2612 + (N-439) + 322 = N + 2495$$

$$(N \ge 2612)$$

$$B_{\bar{N}}(2N+2058) = B_{\bar{N}}(2N+2058-B_{\bar{N}}(2N+2057)) + B_{\bar{N}}(2N+2058-B_{\bar{N}}(2N+2056)) + B_{\bar{N}}(2N+2058-B_{\bar{N}}(2N+2055))$$

$$= B_{\bar{N}}(2N+2058-(N+2495)) + B_{\bar{N}}(2N+2058-(2N-555)) + B_{\bar{N}}(2N+2058-(N+2496))$$

$$= B_{\bar{N}}(N-437) + B_{\bar{N}}(2613) + B_{\bar{N}}(N-438) = (N-437) + 2613 + (N-438) = 2N + 1738$$

$$(N \ge 2613)$$

$$B_{\bar{N}}(2N+2059) = B_{\bar{N}}(2N+2059 - B_{\bar{N}}(2N+2058)) + B_{\bar{N}}(2N+2059 - B_{\bar{N}}(2N+2057)) + B_{\bar{N}}(2N+2059 - B_{\bar{N}}(2N+2056))$$

$$= B_{\bar{N}}(2N+2059 - (2N+1738)) + B_{\bar{N}}(2N+2059 - (N+2495)) + B_{\bar{N}}(2N+2059 - (2N-555))$$

$$= B_{\bar{N}}(321) + B_{\bar{N}}(N-436) + B_{\bar{N}}(2614) = 321 + (N-436) + 2614 = N + 2499$$

$$(N \ge 2614)$$

$$B_{\bar{N}}(2N+2060) = B_{\bar{N}}(2N+2060 - B_{\bar{N}}(2N+2059)) + B_{\bar{N}}(2N+2060 - B_{\bar{N}}(2N+2058)) + B_{\bar{N}}(2N+2060 - B_{\bar{N}}(2N+2057))$$

$$= B_{\bar{N}}(2N+2060 - (N+2499)) + B_{\bar{N}}(2N+2060 - (2N+1738)) + B_{\bar{N}}(2N+2060 - (N+2495))$$

$$= B_{\bar{N}}(N-439) + B_{\bar{N}}(322) + B_{\bar{N}}(N-435) = (N-439) + 322 + (N-435) = 2N-552$$

$$(N \ge 440)$$

$$B_{\bar{N}}(2N+2061) = B_{\bar{N}}(2N+2061 - B_{\bar{N}}(2N+2060)) + B_{\bar{N}}(2N+2061 - B_{\bar{N}}(2N+2059)) + B_{\bar{N}}(2N+2061 - B_{\bar{N}}(2N+2058))$$

$$= B_{\bar{N}}(2N+2061 - (2N-552)) + B_{\bar{N}}(2N+2061 - (N+2499)) + B_{\bar{N}}(2N+2061 - (2N+1738))$$

$$= B_{\bar{N}}(2613) + B_{\bar{N}}(N-438) + B_{\bar{N}}(323) = 2613 + (N-438) + 323 = N + 2498$$

$$(N \ge 2613)$$

$$B_{\bar{N}}(2N+2062) = B_{\bar{N}}(2N+2062 - B_{\bar{N}}(2N+2061)) + B_{\bar{N}}(2N+2062 - B_{\bar{N}}(2N+2060)) + B_{\bar{N}}(2N+2062 - B_{\bar{N}}(2N+2059))$$

$$= B_{\bar{N}}(2N+2062 - (N+2498)) + B_{\bar{N}}(2N+2062 - (2N-552)) + B_{\bar{N}}(2N+2062 - (N+2499))$$

$$= B_{\bar{N}}(N-436) + B_{\bar{N}}(2614) + B_{\bar{N}}(N-437) = (N-436) + 2614 + (N-437) = 2N + 1741$$

$$(N \ge 2614)$$

$$B_{\bar{N}}(2N+2063) = B_{\bar{N}}(2N+2063-B_{\bar{N}}(2N+2062)) + B_{\bar{N}}(2N+2063-B_{\bar{N}}(2N+2061)) + B_{\bar{N}}(2N+2063-B_{\bar{N}}(2N+2060))$$

$$= B_{\bar{N}}(2N+2063-(2N+1741)) + B_{\bar{N}}(2N+2063-(N+2498)) + B_{\bar{N}}(2N+2063-(2N-552))$$

$$= B_{\bar{N}}(322) + B_{\bar{N}}(N-435) + B_{\bar{N}}(2615) = 322 + (N-435) + 2615 = N + 2502$$

$$(N \ge 2615)$$

$$B_{\bar{N}}(2N+2064) = B_{\bar{N}}(2N+2064-B_{\bar{N}}(2N+2063)) + B_{\bar{N}}(2N+2064-B_{\bar{N}}(2N+2062)) + B_{\bar{N}}(2N+2064-B_{\bar{N}}(2N+2061))$$

$$= B_{\bar{N}}(2N+2064-(N+2502)) + B_{\bar{N}}(2N+2064-(2N+1741)) + B_{\bar{N}}(2N+2064-(N+2498))$$

$$= B_{\bar{N}}(N-438) + B_{\bar{N}}(323) + B_{\bar{N}}(N-434) = (N-438) + 323 + (N-434) = 2N-549$$

$$(N \ge 439)$$

$$B_{\bar{N}}(2N+2065) = B_{\bar{N}}(2N+2065-B_{\bar{N}}(2N+2064)) + B_{\bar{N}}(2N+2065-B_{\bar{N}}(2N+2063)) + B_{\bar{N}}(2N+2065-B_{\bar{N}}(2N+2062))$$

$$= B_{\bar{N}}(2N+2065-(2N-549)) + B_{\bar{N}}(2N+2065-(N+2502)) + B_{\bar{N}}(2N+2065-(2N+1741))$$

$$= B_{\bar{N}}(2614) + B_{\bar{N}}(N-437) + B_{\bar{N}}(324) = 2614 + (N-437) + 324 = N + 2501$$

$$(N \ge 2614)$$

$$B_{\bar{N}}(2N+2066) = B_{\bar{N}}(2N+2066-B_{\bar{N}}(2N+2065)) + B_{\bar{N}}(2N+2066-B_{\bar{N}}(2N+2064)) + B_{\bar{N}}(2N+2066-B_{\bar{N}}(2N+2063))$$

$$= B_{\bar{N}}(2N+2066-(N+2501)) + B_{\bar{N}}(2N+2066-(2N-549)) + B_{\bar{N}}(2N+2066-(N+2502))$$

$$= B_{\bar{N}}(N-435) + B_{\bar{N}}(2615) + B_{\bar{N}}(N-436) = (N-435) + 2615 + (N-436) = 2N + 1744$$

$$(N \ge 2615)$$

$$B_{\bar{N}}(2N+2067) = B_{\bar{N}}(2N+2067 - B_{\bar{N}}(2N+2066)) + B_{\bar{N}}(2N+2067 - B_{\bar{N}}(2N+2065)) + B_{\bar{N}}(2N+2067 - B_{\bar{N}}(2N+2064))$$

$$= B_{\bar{N}}(2N+2067 - (2N+1744)) + B_{\bar{N}}(2N+2067 - (N+2501)) + B_{\bar{N}}(2N+2067 - (2N-549))$$

$$= B_{\bar{N}}(323) + B_{\bar{N}}(N-434) + B_{\bar{N}}(2616) = 323 + (N-434) + 2616 = N + 2505$$

$$(N \ge 2616)$$

$$B_{\bar{N}}(2N+2068) = B_{\bar{N}}(2N+2068-B_{\bar{N}}(2N+2067)) + B_{\bar{N}}(2N+2068-B_{\bar{N}}(2N+2066)) + B_{\bar{N}}(2N+2068-B_{\bar{N}}(2N+2065))$$

$$= B_{\bar{N}}(2N+2068-(N+2505)) + B_{\bar{N}}(2N+2068-(2N+1744)) + B_{\bar{N}}(2N+2068-(N+2501))$$

$$= B_{\bar{N}}(N-437) + B_{\bar{N}}(324) + B_{\bar{N}}(N-433) = (N-437) + 324 + (N-433) = 2N-546$$

$$(N \ge 438)$$

$$B_{\bar{N}}(2N+2069) = B_{\bar{N}}(2N+2069 - B_{\bar{N}}(2N+2068)) + B_{\bar{N}}(2N+2069 - B_{\bar{N}}(2N+2067)) + B_{\bar{N}}(2N+2069 - B_{\bar{N}}(2N+2069))$$

$$= B_{\bar{N}}(2N+2069 - (2N-546)) + B_{\bar{N}}(2N+2069 - (N+2505)) + B_{\bar{N}}(2N+2069 - (2N+1744))$$

$$= B_{\bar{N}}(2615) + B_{\bar{N}}(N-436) + B_{\bar{N}}(325) = 2615 + (N-436) + 325 = N + 2504$$

$$(N \ge 2615)$$

$$B_{\bar{N}}(2N+2070) = B_{\bar{N}}(2N+2070 - B_{\bar{N}}(2N+2069)) + B_{\bar{N}}(2N+2070 - B_{\bar{N}}(2N+2068)) + B_{\bar{N}}(2N+2070 - B_{\bar{N}}(2N+2067))$$

$$= B_{\bar{N}}(2N+2070 - (N+2504)) + B_{\bar{N}}(2N+2070 - (2N-546)) + B_{\bar{N}}(2N+2070 - (N+2505))$$

$$= B_{\bar{N}}(N-434) + B_{\bar{N}}(2616) + B_{\bar{N}}(N-435) = (N-434) + 2616 + (N-435) = 2N + 1747$$

$$(N \ge 2616)$$

$$B_{\bar{N}}(2N+2071) = B_{\bar{N}}(2N+2071 - B_{\bar{N}}(2N+2070)) + B_{\bar{N}}(2N+2071 - B_{\bar{N}}(2N+2069)) + B_{\bar{N}}(2N+2071 - B_{\bar{N}}(2N+2068))$$

$$= B_{\bar{N}}(2N+2071 - (2N+1747)) + B_{\bar{N}}(2N+2071 - (N+2504)) + B_{\bar{N}}(2N+2071 - (2N-546))$$

$$= B_{\bar{N}}(324) + B_{\bar{N}}(N-433) + B_{\bar{N}}(2617) = 324 + (N-433) + 2617 = N + 2508$$

$$(N \ge 2617)$$

$$B_{\bar{N}}(2N+2072) = B_{\bar{N}}(2N+2072-B_{\bar{N}}(2N+2071)) + B_{\bar{N}}(2N+2072-B_{\bar{N}}(2N+2070)) + B_{\bar{N}}(2N+2072-B_{\bar{N}}(2N+2069))$$

$$= B_{\bar{N}}(2N+2072-(N+2508)) + B_{\bar{N}}(2N+2072-(2N+1747)) + B_{\bar{N}}(2N+2072-(N+2504))$$

$$= B_{\bar{N}}(N-436) + B_{\bar{N}}(325) + B_{\bar{N}}(N-432) = (N-436) + 325 + (N-432) = 2N-543$$

$$(N \ge 437)$$

$$B_{\bar{N}}(2N+2073) = B_{\bar{N}}(2N+2073-B_{\bar{N}}(2N+2072)) + B_{\bar{N}}(2N+2073-B_{\bar{N}}(2N+2071)) + B_{\bar{N}}(2N+2073-B_{\bar{N}}(2N+2070))$$

$$= B_{\bar{N}}(2N+2073-(2N-543)) + B_{\bar{N}}(2N+2073-(N+2508)) + B_{\bar{N}}(2N+2073-(2N+1747))$$

$$= B_{\bar{N}}(2616) + B_{\bar{N}}(N-435) + B_{\bar{N}}(326) = 2616 + (N-435) + 326 = N + 2507$$

$$(N \ge 2616)$$

$$B_{\bar{N}}(2N+2074) = B_{\bar{N}}(2N+2074 - B_{\bar{N}}(2N+2073)) + B_{\bar{N}}(2N+2074 - B_{\bar{N}}(2N+2072)) + B_{\bar{N}}(2N+2074 - B_{\bar{N}}(2N+2071))$$

$$= B_{\bar{N}}(2N+2074 - (N+2507)) + B_{\bar{N}}(2N+2074 - (2N-543)) + B_{\bar{N}}(2N+2074 - (N+2508))$$

$$= B_{\bar{N}}(N-433) + B_{\bar{N}}(2617) + B_{\bar{N}}(N-434) = (N-433) + 2617 + (N-434) = 2N + 1750$$

$$(N \ge 2617)$$

$$\begin{split} B_{\bar{N}}(2N+2075) &= B_{\bar{N}}(2N+2075-B_{\bar{N}}(2N+2074)) + B_{\bar{N}}(2N+2075-B_{\bar{N}}(2N+2073)) + B_{\bar{N}}(2N+2075-B_{\bar{N}}(2N+2072)) \\ &= B_{\bar{N}}(2N+2075-(2N+1750)) + B_{\bar{N}}(2N+2075-(N+2507)) + B_{\bar{N}}(2N+2075-(2N-543)) \\ &= B_{\bar{N}}(325) + B_{\bar{N}}(N-432) + B_{\bar{N}}(2618) = 325 + (N-432) + 2618 = N + 2511 \\ &(N \geq 2618) \end{split}$$

$$B_{\bar{N}}(2N+2076) = B_{\bar{N}}(2N+2076 - B_{\bar{N}}(2N+2075)) + B_{\bar{N}}(2N+2076 - B_{\bar{N}}(2N+2074)) + B_{\bar{N}}(2N+2076 - B_{\bar{N}}(2N+2073))$$

$$= B_{\bar{N}}(2N+2076 - (N+2511)) + B_{\bar{N}}(2N+2076 - (2N+1750)) + B_{\bar{N}}(2N+2076 - (N+2507))$$

$$= B_{\bar{N}}(N-435) + B_{\bar{N}}(326) + B_{\bar{N}}(N-431) = (N-435) + 326 + (N-431) = 2N-540$$

$$(N \ge 436)$$

$$B_{\bar{N}}(2N+2077) = B_{\bar{N}}(2N+2077 - B_{\bar{N}}(2N+2076)) + B_{\bar{N}}(2N+2077 - B_{\bar{N}}(2N+2075)) + B_{\bar{N}}(2N+2077 - B_{\bar{N}}(2N+2074))$$

$$= B_{\bar{N}}(2N+2077 - (2N-540)) + B_{\bar{N}}(2N+2077 - (N+2511)) + B_{\bar{N}}(2N+2077 - (2N+1750))$$

$$= B_{\bar{N}}(2617) + B_{\bar{N}}(N-434) + B_{\bar{N}}(327) = 2617 + (N-434) + 327 = N + 2510$$

$$(N \ge 2617)$$

$$B_{\bar{N}}(2N+2078) = B_{\bar{N}}(2N+2078-B_{\bar{N}}(2N+2077)) + B_{\bar{N}}(2N+2078-B_{\bar{N}}(2N+2076)) + B_{\bar{N}}(2N+2078-B_{\bar{N}}(2N+2075))$$

$$= B_{\bar{N}}(2N+2078-(N+2510)) + B_{\bar{N}}(2N+2078-(2N-540)) + B_{\bar{N}}(2N+2078-(N+2511))$$

$$= B_{\bar{N}}(N-432) + B_{\bar{N}}(2618) + B_{\bar{N}}(N-433) = (N-432) + 2618 + (N-433) = 2N+1753$$

$$(N \ge 2618)$$

$$B_{\bar{N}}(2N+2079) = B_{\bar{N}}(2N+2079 - B_{\bar{N}}(2N+2078)) + B_{\bar{N}}(2N+2079 - B_{\bar{N}}(2N+2077)) + B_{\bar{N}}(2N+2079 - B_{\bar{N}}(2N+2079))$$

$$= B_{\bar{N}}(2N+2079 - (2N+1753)) + B_{\bar{N}}(2N+2079 - (N+2510)) + B_{\bar{N}}(2N+2079 - (2N-540))$$

$$= B_{\bar{N}}(326) + B_{\bar{N}}(N-431) + B_{\bar{N}}(2619) = 326 + (N-431) + 2619 = N + 2514$$

$$(N \ge 2619)$$

$$B_{\bar{N}}(2N+2080) = B_{\bar{N}}(2N+2080-B_{\bar{N}}(2N+2079)) + B_{\bar{N}}(2N+2080-B_{\bar{N}}(2N+2078)) + B_{\bar{N}}(2N+2080-B_{\bar{N}}(2N+2077))$$

$$= B_{\bar{N}}(2N+2080-(N+2514)) + B_{\bar{N}}(2N+2080-(2N+1753)) + B_{\bar{N}}(2N+2080-(N+2510))$$

$$= B_{\bar{N}}(N-434) + B_{\bar{N}}(327) + B_{\bar{N}}(N-430) = (N-434) + 327 + (N-430) = 2N-537$$

$$(N \ge 435)$$

$$B_{\bar{N}}(2N+2081) = B_{\bar{N}}(2N+2081-B_{\bar{N}}(2N+2080)) + B_{\bar{N}}(2N+2081-B_{\bar{N}}(2N+2079)) + B_{\bar{N}}(2N+2081-B_{\bar{N}}(2N+2078))$$

$$= B_{\bar{N}}(2N+2081-(2N-537)) + B_{\bar{N}}(2N+2081-(N+2514)) + B_{\bar{N}}(2N+2081-(2N+1753))$$

$$= B_{\bar{N}}(2618) + B_{\bar{N}}(N-433) + B_{\bar{N}}(328) = 2618 + (N-433) + 328 = N + 2513$$

$$(N \ge 2618)$$

$$B_{\bar{N}}(2N+2082) = B_{\bar{N}}(2N+2082-B_{\bar{N}}(2N+2081)) + B_{\bar{N}}(2N+2082-B_{\bar{N}}(2N+2080)) + B_{\bar{N}}(2N+2082-B_{\bar{N}}(2N+2079))$$

$$= B_{\bar{N}}(2N+2082-(N+2513)) + B_{\bar{N}}(2N+2082-(2N-537)) + B_{\bar{N}}(2N+2082-(N+2514))$$

$$= B_{\bar{N}}(N-431) + B_{\bar{N}}(2619) + B_{\bar{N}}(N-432) = (N-431) + 2619 + (N-432) = 2N+1756$$

$$(N \ge 2619)$$

$$\begin{split} B_{\bar{N}}(2N+2083) &= B_{\bar{N}}(2N+2083-B_{\bar{N}}(2N+2082)) + B_{\bar{N}}(2N+2083-B_{\bar{N}}(2N+2081)) + B_{\bar{N}}(2N+2083-B_{\bar{N}}(2N+2080)) \\ &= B_{\bar{N}}(2N+2083-(2N+1756)) + B_{\bar{N}}(2N+2083-(N+2513)) + B_{\bar{N}}(2N+2083-(2N-537)) \\ &= B_{\bar{N}}(327) + B_{\bar{N}}(N-430) + B_{\bar{N}}(2620) = 327 + (N-430) + 2620 = N + 2517 \\ &(N \geq 2620) \end{split}$$

$$B_{\bar{N}}(2N+2084) = B_{\bar{N}}(2N+2084-B_{\bar{N}}(2N+2083)) + B_{\bar{N}}(2N+2084-B_{\bar{N}}(2N+2082)) + B_{\bar{N}}(2N+2084-B_{\bar{N}}(2N+2081))$$

$$= B_{\bar{N}}(2N+2084-(N+2517)) + B_{\bar{N}}(2N+2084-(2N+1756)) + B_{\bar{N}}(2N+2084-(N+2513))$$

$$= B_{\bar{N}}(N-433) + B_{\bar{N}}(328) + B_{\bar{N}}(N-429) = (N-433) + 328 + (N-429) = 2N-534$$

$$(N \ge 434)$$

$$B_{\bar{N}}(2N+2085) = B_{\bar{N}}(2N+2085-B_{\bar{N}}(2N+2084)) + B_{\bar{N}}(2N+2085-B_{\bar{N}}(2N+2083)) + B_{\bar{N}}(2N+2085-B_{\bar{N}}(2N+2082))$$

$$= B_{\bar{N}}(2N+2085-(2N-534)) + B_{\bar{N}}(2N+2085-(N+2517)) + B_{\bar{N}}(2N+2085-(2N+1756))$$

$$= B_{\bar{N}}(2619) + B_{\bar{N}}(N-432) + B_{\bar{N}}(329) = 2619 + (N-432) + 329 = N + 2516$$

$$(N \ge 2619)$$

$$B_{\bar{N}}(2N+2086) = B_{\bar{N}}(2N+2086-B_{\bar{N}}(2N+2085)) + B_{\bar{N}}(2N+2086-B_{\bar{N}}(2N+2084)) + B_{\bar{N}}(2N+2086-B_{\bar{N}}(2N+2083))$$

$$= B_{\bar{N}}(2N+2086-(N+2516)) + B_{\bar{N}}(2N+2086-(2N-534)) + B_{\bar{N}}(2N+2086-(N+2517))$$

$$= B_{\bar{N}}(N-430) + B_{\bar{N}}(2620) + B_{\bar{N}}(N-431) = (N-430) + 2620 + (N-431) = 2N+1759$$

$$(N \ge 2620)$$

$$B_{\bar{N}}(2N+2087) = B_{\bar{N}}(2N+2087 - B_{\bar{N}}(2N+2086)) + B_{\bar{N}}(2N+2087 - B_{\bar{N}}(2N+2085)) + B_{\bar{N}}(2N+2087 - B_{\bar{N}}(2N+2084))$$

$$= B_{\bar{N}}(2N+2087 - (2N+1759)) + B_{\bar{N}}(2N+2087 - (N+2516)) + B_{\bar{N}}(2N+2087 - (2N-534))$$

$$= B_{\bar{N}}(328) + B_{\bar{N}}(N-429) + B_{\bar{N}}(2621) = 328 + (N-429) + 2621 = N + 2520$$

$$(N > 2621)$$

$$B_{\bar{N}}(2N+2088) = B_{\bar{N}}(2N+2088-B_{\bar{N}}(2N+2087)) + B_{\bar{N}}(2N+2088-B_{\bar{N}}(2N+2086)) + B_{\bar{N}}(2N+2088-B_{\bar{N}}(2N+2085))$$

$$= B_{\bar{N}}(2N+2088-(N+2520)) + B_{\bar{N}}(2N+2088-(2N+1759)) + B_{\bar{N}}(2N+2088-(N+2516))$$

$$= B_{\bar{N}}(N-432) + B_{\bar{N}}(329) + B_{\bar{N}}(N-428) = (N-432) + 329 + (N-428) = 2N-531$$

$$(N \ge 433)$$

$$B_{\bar{N}}(2N+2089) = B_{\bar{N}}(2N+2089 - B_{\bar{N}}(2N+2088)) + B_{\bar{N}}(2N+2089 - B_{\bar{N}}(2N+2087)) + B_{\bar{N}}(2N+2089 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+2090) &= B_{\bar{N}}(2N+2090-B_{\bar{N}}(2N+2089)) + B_{\bar{N}}(2N+2090-B_{\bar{N}}(2N+2088)) + B_{\bar{N}}(2N+2090-B_{\bar{N}}(2N+2087)) \\ &= B_{\bar{N}}(2N+2090-(N+2519)) + B_{\bar{N}}(2N+2090-(2N-531)) + B_{\bar{N}}(2N+2090-(N+2520)) \\ &= B_{\bar{N}}(N-429) + B_{\bar{N}}(2621) + B_{\bar{N}}(N-430) = (N-429) + 2621 + (N-430) = 2N+1762 \\ &(N \geq 2621) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+2091) &= B_{\bar{N}}(2N+2091-B_{\bar{N}}(2N+2090)) + B_{\bar{N}}(2N+2091-B_{\bar{N}}(2N+2089)) + B_{\bar{N}}(2N+2091-B_{\bar{N}}(2N+2088)) \\ &= B_{\bar{N}}(2N+2091-(2N+1762)) + B_{\bar{N}}(2N+2091-(N+2519)) + B_{\bar{N}}(2N+2091-(2N-531)) \\ &= B_{\bar{N}}(329) + B_{\bar{N}}(N-428) + B_{\bar{N}}(2622) = 329 + (N-428) + 2622 = N + 2523 \\ &(N > 2622) \end{split}$$

$$B_{\bar{N}}(2N+2092) = B_{\bar{N}}(2N+2092-B_{\bar{N}}(2N+2091)) + B_{\bar{N}}(2N+2092-B_{\bar{N}}(2N+2090)) + B_{\bar{N}}(2N+2092-B_{\bar{N}}(2N+2089))$$

$$= B_{\bar{N}}(2N+2092-(N+2523)) + B_{\bar{N}}(2N+2092-(2N+1762)) + B_{\bar{N}}(2N+2092-(N+2519))$$

$$= B_{\bar{N}}(N-431) + B_{\bar{N}}(330) + B_{\bar{N}}(N-427) = (N-431) + 330 + (N-427) = 2N-528$$

$$(N \ge 432)$$

$$B_{\bar{N}}(2N+2093) = B_{\bar{N}}(2N+2093-B_{\bar{N}}(2N+2092)) + B_{\bar{N}}(2N+2093-B_{\bar{N}}(2N+2091)) + B_{\bar{N}}(2N+2093-B_{\bar{N}}(2N+2090))$$

$$= B_{\bar{N}}(2N+2093-(2N-528)) + B_{\bar{N}}(2N+2093-(N+2523)) + B_{\bar{N}}(2N+2093-(2N+1762))$$

$$= B_{\bar{N}}(2621) + B_{\bar{N}}(N-430) + B_{\bar{N}}(331) = 2621 + (N-430) + 331 = N + 2522$$

$$(N \ge 2621)$$

$$B_{\bar{N}}(2N+2094) = B_{\bar{N}}(2N+2094-B_{\bar{N}}(2N+2093)) + B_{\bar{N}}(2N+2094-B_{\bar{N}}(2N+2092)) + B_{\bar{N}}(2N+2094-B_{\bar{N}}(2N+2091))$$

$$= B_{\bar{N}}(2N+2094-(N+2522)) + B_{\bar{N}}(2N+2094-(2N-528)) + B_{\bar{N}}(2N+2094-(N+2523))$$

$$= B_{\bar{N}}(N-428) + B_{\bar{N}}(2622) + B_{\bar{N}}(N-429) = (N-428) + 2622 + (N-429) = 2N + 1765$$

$$(N \ge 2622)$$

$$B_{\bar{N}}(2N+2095) = B_{\bar{N}}(2N+2095-B_{\bar{N}}(2N+2094)) + B_{\bar{N}}(2N+2095-B_{\bar{N}}(2N+2093)) + B_{\bar{N}}(2N+2095-B_{\bar{N}}(2N+2092))$$

$$= B_{\bar{N}}(2N+2095-(2N+1765)) + B_{\bar{N}}(2N+2095-(N+2522)) + B_{\bar{N}}(2N+2095-(2N-528))$$

$$= B_{\bar{N}}(330) + B_{\bar{N}}(N-427) + B_{\bar{N}}(2623) = 330 + (N-427) + 2623 = N + 2526$$

$$(N \ge 2623)$$

$$B_{\bar{N}}(2N+2096) = B_{\bar{N}}(2N+2096-B_{\bar{N}}(2N+2095)) + B_{\bar{N}}(2N+2096-B_{\bar{N}}(2N+2094)) + B_{\bar{N}}(2N+2096-B_{\bar{N}}(2N+2093))$$

$$= B_{\bar{N}}(2N+2096-(N+2526)) + B_{\bar{N}}(2N+2096-(2N+1765)) + B_{\bar{N}}(2N+2096-(N+2522))$$

$$= B_{\bar{N}}(N-430) + B_{\bar{N}}(331) + B_{\bar{N}}(N-426) = (N-430) + 331 + (N-426) = 2N-525$$

$$(N \ge 431)$$

$$B_{\bar{N}}(2N+2097) = B_{\bar{N}}(2N+2097 - B_{\bar{N}}(2N+2096)) + B_{\bar{N}}(2N+2097 - B_{\bar{N}}(2N+2095)) + B_{\bar{N}}(2N+2097 - B_{\bar{N}}(2N+2094))$$

$$= B_{\bar{N}}(2N+2097 - (2N-525)) + B_{\bar{N}}(2N+2097 - (N+2526)) + B_{\bar{N}}(2N+2097 - (2N+1765))$$

$$= B_{\bar{N}}(2622) + B_{\bar{N}}(N-429) + B_{\bar{N}}(332) = 2622 + (N-429) + 332 = N + 2525$$

$$(N \ge 2622)$$

$$B_{\bar{N}}(2N+2098) = B_{\bar{N}}(2N+2098-B_{\bar{N}}(2N+2097)) + B_{\bar{N}}(2N+2098-B_{\bar{N}}(2N+2096)) + B_{\bar{N}}(2N+2098-B_{\bar{N}}(2N+2095))$$

$$= B_{\bar{N}}(2N+2098-(N+2525)) + B_{\bar{N}}(2N+2098-(2N-525)) + B_{\bar{N}}(2N+2098-(N+2526))$$

$$= B_{\bar{N}}(N-427) + B_{\bar{N}}(2623) + B_{\bar{N}}(N-428) = (N-427) + 2623 + (N-428) = 2N + 1768$$

$$(N \ge 2623)$$

$$B_{\bar{N}}(2N+2099) = B_{\bar{N}}(2N+2099 - B_{\bar{N}}(2N+2098)) + B_{\bar{N}}(2N+2099 - B_{\bar{N}}(2N+2097)) + B_{\bar{N}}(2N+2099 - B_{\bar{N}}(2N+2096))$$

$$= B_{\bar{N}}(2N+2099 - (2N+1768)) + B_{\bar{N}}(2N+2099 - (N+2525)) + B_{\bar{N}}(2N+2099 - (2N-525))$$

$$= B_{\bar{N}}(331) + B_{\bar{N}}(N-426) + B_{\bar{N}}(2624) = 331 + (N-426) + 2624 = N + 2529$$

$$(N \ge 2624)$$

$$B_{\bar{N}}(2N+2100) = B_{\bar{N}}(2N+2100 - B_{\bar{N}}(2N+2099)) + B_{\bar{N}}(2N+2100 - B_{\bar{N}}(2N+2098)) + B_{\bar{N}}(2N+2100 - B_{\bar{N}}(2N+2097))$$

$$= B_{\bar{N}}(2N+2100 - (N+2529)) + B_{\bar{N}}(2N+2100 - (2N+1768)) + B_{\bar{N}}(2N+2100 - (N+2525))$$

$$= B_{\bar{N}}(N-429) + B_{\bar{N}}(332) + B_{\bar{N}}(N-425) = (N-429) + 332 + (N-425) = 2N-522$$

$$(N \ge 430)$$

$$B_{\bar{N}}(2N+2101) = B_{\bar{N}}(2N+2101-B_{\bar{N}}(2N+2100)) + B_{\bar{N}}(2N+2101-B_{\bar{N}}(2N+2099)) + B_{\bar{N}}(2N+2101-B_{\bar{N}}(2N+2098))$$

$$= B_{\bar{N}}(2N+2101-(2N-522)) + B_{\bar{N}}(2N+2101-(N+2529)) + B_{\bar{N}}(2N+2101-(2N+1768))$$

$$= B_{\bar{N}}(2623) + B_{\bar{N}}(N-428) + B_{\bar{N}}(333) = 2623 + (N-428) + 333 = N + 2528$$

$$(N > 2623)$$

$$B_{\bar{N}}(2N+2102) = B_{\bar{N}}(2N+2102-B_{\bar{N}}(2N+2101)) + B_{\bar{N}}(2N+2102-B_{\bar{N}}(2N+2100)) + B_{\bar{N}}(2N+2102-B_{\bar{N}}(2N+2099))$$

$$= B_{\bar{N}}(2N+2102-(N+2528)) + B_{\bar{N}}(2N+2102-(2N-522)) + B_{\bar{N}}(2N+2102-(N+2529))$$

$$= B_{\bar{N}}(N-426) + B_{\bar{N}}(2624) + B_{\bar{N}}(N-427) = (N-426) + 2624 + (N-427) = 2N+1771$$

$$(N \ge 2624)$$

$$B_{\bar{N}}(2N+2103) = B_{\bar{N}}(2N+2103-B_{\bar{N}}(2N+2102)) + B_{\bar{N}}(2N+2103-B_{\bar{N}}(2N+2101)) + B_{\bar{N}}(2N+2103-B_{\bar{N}}(2N+2100))$$

$$= B_{\bar{N}}(2N+2103-(2N+1771)) + B_{\bar{N}}(2N+2103-(N+2528)) + B_{\bar{N}}(2N+2103-(2N-522))$$

$$= B_{\bar{N}}(332) + B_{\bar{N}}(N-425) + B_{\bar{N}}(2625) = 332 + (N-425) + 2625 = N + 2532$$

$$(N \ge 2625)$$

$$B_{\bar{N}}(2N+2104) = B_{\bar{N}}(2N+2104 - B_{\bar{N}}(2N+2103)) + B_{\bar{N}}(2N+2104 - B_{\bar{N}}(2N+2102)) + B_{\bar{N}}(2N+2104 - B_{\bar{N}}(2N+2101))$$

$$= B_{\bar{N}}(2N+2104 - (N+2532)) + B_{\bar{N}}(2N+2104 - (2N+1771)) + B_{\bar{N}}(2N+2104 - (N+2528))$$

$$= B_{\bar{N}}(N-428) + B_{\bar{N}}(333) + B_{\bar{N}}(N-424) = (N-428) + 333 + (N-424) = 2N-519$$

$$(N \ge 429)$$

$$B_{\bar{N}}(2N+2105) = B_{\bar{N}}(2N+2105 - B_{\bar{N}}(2N+2104)) + B_{\bar{N}}(2N+2105 - B_{\bar{N}}(2N+2103)) + B_{\bar{N}}(2N+2105 - B_{\bar{N}}(2N+2102))$$

$$= B_{\bar{N}}(2N+2105 - (2N-519)) + B_{\bar{N}}(2N+2105 - (N+2532)) + B_{\bar{N}}(2N+2105 - (2N+1771))$$

$$= B_{\bar{N}}(2624) + B_{\bar{N}}(N-427) + B_{\bar{N}}(334) = 2624 + (N-427) + 334 = N + 2531$$

$$(N \ge 2624)$$

$$B_{\bar{N}}(2N+2106) = B_{\bar{N}}(2N+2106-B_{\bar{N}}(2N+2105)) + B_{\bar{N}}(2N+2106-B_{\bar{N}}(2N+2104)) + B_{\bar{N}}(2N+2106-B_{\bar{N}}(2N+2103))$$

$$= B_{\bar{N}}(2N+2106-(N+2531)) + B_{\bar{N}}(2N+2106-(2N-519)) + B_{\bar{N}}(2N+2106-(N+2532))$$

$$= B_{\bar{N}}(N-425) + B_{\bar{N}}(2625) + B_{\bar{N}}(N-426) = (N-425) + 2625 + (N-426) = 2N + 1774$$

$$(N > 2625)$$

$$B_{\bar{N}}(2N+2107) = B_{\bar{N}}(2N+2107 - B_{\bar{N}}(2N+2106)) + B_{\bar{N}}(2N+2107 - B_{\bar{N}}(2N+2105)) + B_{\bar{N}}(2N+2107 - B_{\bar{N}}(2N+2104))$$

$$= B_{\bar{N}}(2N+2107 - (2N+1774)) + B_{\bar{N}}(2N+2107 - (N+2531)) + B_{\bar{N}}(2N+2107 - (2N-519))$$

$$= B_{\bar{N}}(333) + B_{\bar{N}}(N-424) + B_{\bar{N}}(2626) = 333 + (N-424) + 2626 = N + 2535$$

$$(N \ge 2626)$$

$$B_{\bar{N}}(2N+2108) = B_{\bar{N}}(2N+2108-B_{\bar{N}}(2N+2107)) + B_{\bar{N}}(2N+2108-B_{\bar{N}}(2N+2106)) + B_{\bar{N}}(2N+2108-B_{\bar{N}}(2N+2105))$$

$$= B_{\bar{N}}(2N+2108-(N+2535)) + B_{\bar{N}}(2N+2108-(2N+1774)) + B_{\bar{N}}(2N+2108-(N+2531))$$

$$= B_{\bar{N}}(N-427) + B_{\bar{N}}(334) + B_{\bar{N}}(N-423) = (N-427) + 334 + (N-423) = 2N-516$$

$$(N \ge 428)$$

$$B_{\bar{N}}(2N+2109) = B_{\bar{N}}(2N+2109 - B_{\bar{N}}(2N+2108)) + B_{\bar{N}}(2N+2109 - B_{\bar{N}}(2N+2107)) + B_{\bar{N}}(2N+2109 - B_{\bar{N}}(2N+2106))$$

$$= B_{\bar{N}}(2N+2109 - (2N-516)) + B_{\bar{N}}(2N+2109 - (N+2535)) + B_{\bar{N}}(2N+2109 - (2N+1774))$$

$$= B_{\bar{N}}(2625) + B_{\bar{N}}(N-426) + B_{\bar{N}}(335) = 2625 + (N-426) + 335 = N + 2534$$

$$(N \ge 2625)$$

$$B_{\bar{N}}(2N+2110) = B_{\bar{N}}(2N+2110-B_{\bar{N}}(2N+2109)) + B_{\bar{N}}(2N+2110-B_{\bar{N}}(2N+2108)) + B_{\bar{N}}(2N+2110-B_{\bar{N}}(2N+2107))$$

$$= B_{\bar{N}}(2N+2110-(N+2534)) + B_{\bar{N}}(2N+2110-(2N-516)) + B_{\bar{N}}(2N+2110-(N+2535))$$

$$= B_{\bar{N}}(N-424) + B_{\bar{N}}(2626) + B_{\bar{N}}(N-425) = (N-424) + 2626 + (N-425) = 2N + 1777$$

$$(N \ge 2626)$$

$$B_{\bar{N}}(2N+2111) = B_{\bar{N}}(2N+2111-B_{\bar{N}}(2N+2110)) + B_{\bar{N}}(2N+2111-B_{\bar{N}}(2N+2109)) + B_{\bar{N}}(2N+2111-B_{\bar{N}}(2N+2108))$$

$$= B_{\bar{N}}(2N+2111-(2N+1777)) + B_{\bar{N}}(2N+2111-(N+2534)) + B_{\bar{N}}(2N+2111-(2N-516))$$

$$= B_{\bar{N}}(334) + B_{\bar{N}}(N-423) + B_{\bar{N}}(2627) = 334 + (N-423) + 2627 = N + 2538$$

$$(N > 2627)$$

$$B_{\bar{N}}(2N+2112) = B_{\bar{N}}(2N+2112-B_{\bar{N}}(2N+2111)) + B_{\bar{N}}(2N+2112-B_{\bar{N}}(2N+2110)) + B_{\bar{N}}(2N+2112-B_{\bar{N}}(2N+2109))$$

$$= B_{\bar{N}}(2N+2112-(N+2538)) + B_{\bar{N}}(2N+2112-(2N+1777)) + B_{\bar{N}}(2N+2112-(N+2534))$$

$$= B_{\bar{N}}(N-426) + B_{\bar{N}}(335) + B_{\bar{N}}(N-422) = (N-426) + 335 + (N-422) = 2N-513$$

$$(N \ge 427)$$

$$B_{\bar{N}}(2N+2113) = B_{\bar{N}}(2N+2113-B_{\bar{N}}(2N+2112)) + B_{\bar{N}}(2N+2113-B_{\bar{N}}(2N+2111)) + B_{\bar{N}}(2N+2113-B_{\bar{N}}(2N+2110))$$

$$= B_{\bar{N}}(2N+2113-(2N-513)) + B_{\bar{N}}(2N+2113-(N+2538)) + B_{\bar{N}}(2N+2113-(2N+1777))$$

$$= B_{\bar{N}}(2626) + B_{\bar{N}}(N-425) + B_{\bar{N}}(336) = 2626 + (N-425) + 336 = N + 2537$$

$$(N \ge 2626)$$

$$B_{\bar{N}}(2N+2114) = B_{\bar{N}}(2N+2114-B_{\bar{N}}(2N+2113)) + B_{\bar{N}}(2N+2114-B_{\bar{N}}(2N+2112)) + B_{\bar{N}}(2N+2114-B_{\bar{N}}(2N+2111))$$

$$= B_{\bar{N}}(2N+2114-(N+2537)) + B_{\bar{N}}(2N+2114-(2N-513)) + B_{\bar{N}}(2N+2114-(N+2538))$$

$$= B_{\bar{N}}(N-423) + B_{\bar{N}}(2627) + B_{\bar{N}}(N-424) = (N-423) + 2627 + (N-424) = 2N+1780$$

$$(N \ge 2627)$$

$$B_{\bar{N}}(2N+2115) = B_{\bar{N}}(2N+2115-B_{\bar{N}}(2N+2114)) + B_{\bar{N}}(2N+2115-B_{\bar{N}}(2N+2113)) + B_{\bar{N}}(2N+2115-B_{\bar{N}}(2N+2112))$$

$$= B_{\bar{N}}(2N+2115-(2N+1780)) + B_{\bar{N}}(2N+2115-(N+2537)) + B_{\bar{N}}(2N+2115-(2N-513))$$

$$= B_{\bar{N}}(335) + B_{\bar{N}}(N-422) + B_{\bar{N}}(2628) = 335 + (N-422) + 2628 = N + 2541$$

$$(N \ge 2628)$$

$$B_{\bar{N}}(2N+2116) = B_{\bar{N}}(2N+2116-B_{\bar{N}}(2N+2115)) + B_{\bar{N}}(2N+2116-B_{\bar{N}}(2N+2114)) + B_{\bar{N}}(2N+2116-B_{\bar{N}}(2N+2113))$$

$$= B_{\bar{N}}(2N+2116-(N+2541)) + B_{\bar{N}}(2N+2116-(2N+1780)) + B_{\bar{N}}(2N+2116-(N+2537))$$

$$= B_{\bar{N}}(N-425) + B_{\bar{N}}(336) + B_{\bar{N}}(N-421) = (N-425) + 336 + (N-421) = 2N-510$$

$$(N \ge 426)$$

$$B_{\bar{N}}(2N+2117) = B_{\bar{N}}(2N+2117-B_{\bar{N}}(2N+2116)) + B_{\bar{N}}(2N+2117-B_{\bar{N}}(2N+2115)) + B_{\bar{N}}(2N+2117-B_{\bar{N}}(2N+2114))$$

$$= B_{\bar{N}}(2N+2117-(2N-510)) + B_{\bar{N}}(2N+2117-(N+2541)) + B_{\bar{N}}(2N+2117-(2N+1780))$$

$$= B_{\bar{N}}(2627) + B_{\bar{N}}(N-424) + B_{\bar{N}}(337) = 2627 + (N-424) + 337 = N + 2540$$

$$(N \ge 2627)$$

$$B_{\bar{N}}(2N+2118) = B_{\bar{N}}(2N+2118-B_{\bar{N}}(2N+2117)) + B_{\bar{N}}(2N+2118-B_{\bar{N}}(2N+2116)) + B_{\bar{N}}(2N+2118-B_{\bar{N}}(2N+2115))$$

$$= B_{\bar{N}}(2N+2118-(N+2540)) + B_{\bar{N}}(2N+2118-(2N-510)) + B_{\bar{N}}(2N+2118-(N+2541))$$

$$= B_{\bar{N}}(N-422) + B_{\bar{N}}(2628) + B_{\bar{N}}(N-423) = (N-422) + 2628 + (N-423) = 2N+1783$$

$$(N \ge 2628)$$

$$B_{\bar{N}}(2N+2119) = B_{\bar{N}}(2N+2119 - B_{\bar{N}}(2N+2118)) + B_{\bar{N}}(2N+2119 - B_{\bar{N}}(2N+2117)) + B_{\bar{N}}(2N+2119 - B_{\bar{N}}(2N+2116))$$

$$= B_{\bar{N}}(2N+2119 - (2N+1783)) + B_{\bar{N}}(2N+2119 - (N+2540)) + B_{\bar{N}}(2N+2119 - (2N-510))$$

$$= B_{\bar{N}}(336) + B_{\bar{N}}(N-421) + B_{\bar{N}}(2629) = 336 + (N-421) + 2629 = N + 2544$$

$$(N \ge 2629)$$

$$B_{\bar{N}}(2N+2120) = B_{\bar{N}}(2N+2120-B_{\bar{N}}(2N+2119)) + B_{\bar{N}}(2N+2120-B_{\bar{N}}(2N+2118)) + B_{\bar{N}}(2N+2120-B_{\bar{N}}(2N+2117))$$

$$= B_{\bar{N}}(2N+2120-(N+2544)) + B_{\bar{N}}(2N+2120-(2N+1783)) + B_{\bar{N}}(2N+2120-(N+2540))$$

$$= B_{\bar{N}}(N-424) + B_{\bar{N}}(337) + B_{\bar{N}}(N-420) = (N-424) + 337 + (N-420) = 2N-507$$

$$(N \ge 425)$$

$$B_{\bar{N}}(2N+2121) = B_{\bar{N}}(2N+2121-B_{\bar{N}}(2N+2120)) + B_{\bar{N}}(2N+2121-B_{\bar{N}}(2N+2119)) + B_{\bar{N}}(2N+2121-B_{\bar{N}}(2N+2118))$$

$$= B_{\bar{N}}(2N+2121-(2N-507)) + B_{\bar{N}}(2N+2121-(N+2544)) + B_{\bar{N}}(2N+2121-(2N+1783))$$

$$= B_{\bar{N}}(2628) + B_{\bar{N}}(N-423) + B_{\bar{N}}(338) = 2628 + (N-423) + 338 = N + 2543$$

$$(N > 2628)$$

$$B_{\bar{N}}(2N+2122) = B_{\bar{N}}(2N+2122-B_{\bar{N}}(2N+2121)) + B_{\bar{N}}(2N+2122-B_{\bar{N}}(2N+2120)) + B_{\bar{N}}(2N+2122-B_{\bar{N}}(2N+2119))$$

$$= B_{\bar{N}}(2N+2122-(N+2543)) + B_{\bar{N}}(2N+2122-(2N-507)) + B_{\bar{N}}(2N+2122-(N+2544))$$

$$= B_{\bar{N}}(N-421) + B_{\bar{N}}(2629) + B_{\bar{N}}(N-422) = (N-421) + 2629 + (N-422) = 2N + 1786$$

$$(N \ge 2629)$$

$$B_{\bar{N}}(2N+2123) = B_{\bar{N}}(2N+2123-B_{\bar{N}}(2N+2122)) + B_{\bar{N}}(2N+2123-B_{\bar{N}}(2N+2121)) + B_{\bar{N}}(2N+2123-B_{\bar{N}}(2N+2120))$$

$$= B_{\bar{N}}(2N+2123-(2N+1786)) + B_{\bar{N}}(2N+2123-(N+2543)) + B_{\bar{N}}(2N+2123-(2N-507))$$

$$= B_{\bar{N}}(337) + B_{\bar{N}}(N-420) + B_{\bar{N}}(2630) = 337 + (N-420) + 2630 = N + 2547$$

$$(N \ge 2630)$$

$$B_{\bar{N}}(2N+2124) = B_{\bar{N}}(2N+2124-B_{\bar{N}}(2N+2123)) + B_{\bar{N}}(2N+2124-B_{\bar{N}}(2N+2122)) + B_{\bar{N}}(2N+2124-B_{\bar{N}}(2N+2121))$$

$$= B_{\bar{N}}(2N+2124-(N+2547)) + B_{\bar{N}}(2N+2124-(2N+1786)) + B_{\bar{N}}(2N+2124-(N+2543))$$

$$= B_{\bar{N}}(N-423) + B_{\bar{N}}(338) + B_{\bar{N}}(N-419) = (N-423) + 338 + (N-419) = 2N-504$$

$$(N \ge 424)$$

$$B_{\bar{N}}(2N+2125) = B_{\bar{N}}(2N+2125-B_{\bar{N}}(2N+2124)) + B_{\bar{N}}(2N+2125-B_{\bar{N}}(2N+2123)) + B_{\bar{N}}(2N+2125-B_{\bar{N}}(2N+2122))$$

$$= B_{\bar{N}}(2N+2125-(2N-504)) + B_{\bar{N}}(2N+2125-(N+2547)) + B_{\bar{N}}(2N+2125-(2N+1786))$$

$$= B_{\bar{N}}(2629) + B_{\bar{N}}(N-422) + B_{\bar{N}}(339) = 2629 + (N-422) + 339 = N + 2546$$

$$(N \ge 2629)$$

$$B_{\bar{N}}(2N+2126) = B_{\bar{N}}(2N+2126-B_{\bar{N}}(2N+2125)) + B_{\bar{N}}(2N+2126-B_{\bar{N}}(2N+2124)) + B_{\bar{N}}(2N+2126-B_{\bar{N}}(2N+2123))$$

$$= B_{\bar{N}}(2N+2126-(N+2546)) + B_{\bar{N}}(2N+2126-(2N-504)) + B_{\bar{N}}(2N+2126-(N+2547))$$

$$= B_{\bar{N}}(N-420) + B_{\bar{N}}(2630) + B_{\bar{N}}(N-421) = (N-420) + 2630 + (N-421) = 2N+1789$$

$$(N \ge 2630)$$

$$B_{\bar{N}}(2N+2127) = B_{\bar{N}}(2N+2127 - B_{\bar{N}}(2N+2126)) + B_{\bar{N}}(2N+2127 - B_{\bar{N}}(2N+2125)) + B_{\bar{N}}(2N+2127 - B_{\bar{N}}(2N+2124))$$

$$= B_{\bar{N}}(2N+2127 - (2N+1789)) + B_{\bar{N}}(2N+2127 - (N+2546)) + B_{\bar{N}}(2N+2127 - (2N-504))$$

$$= B_{\bar{N}}(338) + B_{\bar{N}}(N-419) + B_{\bar{N}}(2631) = 338 + (N-419) + 2631 = N + 2550$$

$$(N \ge 2631)$$

$$B_{\bar{N}}(2N+2128) = B_{\bar{N}}(2N+2128-B_{\bar{N}}(2N+2127)) + B_{\bar{N}}(2N+2128-B_{\bar{N}}(2N+2126)) + B_{\bar{N}}(2N+2128-B_{\bar{N}}(2N+2125))$$

$$= B_{\bar{N}}(2N+2128-(N+2550)) + B_{\bar{N}}(2N+2128-(2N+1789)) + B_{\bar{N}}(2N+2128-(N+2546))$$

$$= B_{\bar{N}}(N-422) + B_{\bar{N}}(339) + B_{\bar{N}}(N-418) = (N-422) + 339 + (N-418) = 2N-501$$

$$(N \ge 423)$$

$$B_{\bar{N}}(2N+2129) = B_{\bar{N}}(2N+2129 - B_{\bar{N}}(2N+2128)) + B_{\bar{N}}(2N+2129 - B_{\bar{N}}(2N+2127)) + B_{\bar{N}}(2N+2129 - B_{\bar{N}}(2N+2126))$$

$$= B_{\bar{N}}(2N+2129 - (2N-501)) + B_{\bar{N}}(2N+2129 - (N+2550)) + B_{\bar{N}}(2N+2129 - (2N+1789))$$

$$= B_{\bar{N}}(2630) + B_{\bar{N}}(N-421) + B_{\bar{N}}(340) = 2630 + (N-421) + 340 = N + 2549$$

$$(N \ge 2630)$$

$$B_{\bar{N}}(2N+2130) = B_{\bar{N}}(2N+2130 - B_{\bar{N}}(2N+2129)) + B_{\bar{N}}(2N+2130 - B_{\bar{N}}(2N+2128)) + B_{\bar{N}}(2N+2130 - B_{\bar{N}}(2N+2127))$$

$$= B_{\bar{N}}(2N+2130 - (N+2549)) + B_{\bar{N}}(2N+2130 - (2N-501)) + B_{\bar{N}}(2N+2130 - (N+2550))$$

$$= B_{\bar{N}}(N-419) + B_{\bar{N}}(2631) + B_{\bar{N}}(N-420) = (N-419) + 2631 + (N-420) = 2N+1792$$

$$(N \ge 2631)$$

$$B_{\bar{N}}(2N+2131) = B_{\bar{N}}(2N+2131-B_{\bar{N}}(2N+2130)) + B_{\bar{N}}(2N+2131-B_{\bar{N}}(2N+2129)) + B_{\bar{N}}(2N+2131-B_{\bar{N}}(2N+2128))$$

$$= B_{\bar{N}}(2N+2131-(2N+1792)) + B_{\bar{N}}(2N+2131-(N+2549)) + B_{\bar{N}}(2N+2131-(2N-501))$$

$$= B_{\bar{N}}(339) + B_{\bar{N}}(N-418) + B_{\bar{N}}(2632) = 339 + (N-418) + 2632 = N + 2553$$

$$(N \ge 2632)$$

$$B_{\bar{N}}(2N+2132) = B_{\bar{N}}(2N+2132-B_{\bar{N}}(2N+2131)) + B_{\bar{N}}(2N+2132-B_{\bar{N}}(2N+2130)) + B_{\bar{N}}(2N+2132-B_{\bar{N}}(2N+2129))$$

$$= B_{\bar{N}}(2N+2132-(N+2553)) + B_{\bar{N}}(2N+2132-(2N+1792)) + B_{\bar{N}}(2N+2132-(N+2549))$$

$$= B_{\bar{N}}(N-421) + B_{\bar{N}}(340) + B_{\bar{N}}(N-417) = (N-421) + 340 + (N-417) = 2N-498$$

$$(N \ge 422)$$

$$B_{\bar{N}}(2N+2133) = B_{\bar{N}}(2N+2133-B_{\bar{N}}(2N+2132)) + B_{\bar{N}}(2N+2133-B_{\bar{N}}(2N+2131)) + B_{\bar{N}}(2N+2133-B_{\bar{N}}(2N+2130))$$

$$= B_{\bar{N}}(2N+2133-(2N-498)) + B_{\bar{N}}(2N+2133-(N+2553)) + B_{\bar{N}}(2N+2133-(2N+1792))$$

$$= B_{\bar{N}}(2631) + B_{\bar{N}}(N-420) + B_{\bar{N}}(341) = 2631 + (N-420) + 341 = N + 2552$$

$$(N \ge 2631)$$

$$B_{\bar{N}}(2N+2134) = B_{\bar{N}}(2N+2134 - B_{\bar{N}}(2N+2133)) + B_{\bar{N}}(2N+2134 - B_{\bar{N}}(2N+2132)) + B_{\bar{N}}(2N+2134 - B_{\bar{N}}(2N+2131))$$

$$= B_{\bar{N}}(2N+2134 - (N+2552)) + B_{\bar{N}}(2N+2134 - (2N-498)) + B_{\bar{N}}(2N+2134 - (N+2553))$$

$$= B_{\bar{N}}(N-418) + B_{\bar{N}}(2632) + B_{\bar{N}}(N-419) = (N-418) + 2632 + (N-419) = 2N + 1795$$

$$(N \ge 2632)$$

$$B_{\bar{N}}(2N+2135) = B_{\bar{N}}(2N+2135-B_{\bar{N}}(2N+2134)) + B_{\bar{N}}(2N+2135-B_{\bar{N}}(2N+2133)) + B_{\bar{N}}(2N+2135-B_{\bar{N}}(2N+2132))$$

$$= B_{\bar{N}}(2N+2135-(2N+1795)) + B_{\bar{N}}(2N+2135-(N+2552)) + B_{\bar{N}}(2N+2135-(2N-498))$$

$$= B_{\bar{N}}(340) + B_{\bar{N}}(N-417) + B_{\bar{N}}(2633) = 340 + (N-417) + 2633 = N + 2556$$

$$(N \ge 2633)$$

$$B_{\bar{N}}(2N+2136) = B_{\bar{N}}(2N+2136-B_{\bar{N}}(2N+2135)) + B_{\bar{N}}(2N+2136-B_{\bar{N}}(2N+2134)) + B_{\bar{N}}(2N+2136-B_{\bar{N}}(2N+2133))$$

$$= B_{\bar{N}}(2N+2136-(N+2556)) + B_{\bar{N}}(2N+2136-(2N+1795)) + B_{\bar{N}}(2N+2136-(N+2552))$$

$$= B_{\bar{N}}(N-420) + B_{\bar{N}}(341) + B_{\bar{N}}(N-416) = (N-420) + 341 + (N-416) = 2N-495$$

$$(N \ge 421)$$

$$B_{\bar{N}}(2N+2137) = B_{\bar{N}}(2N+2137-B_{\bar{N}}(2N+2136)) + B_{\bar{N}}(2N+2137-B_{\bar{N}}(2N+2135)) + B_{\bar{N}}(2N+2137-B_{\bar{N}}(2N+2134))$$

$$= B_{\bar{N}}(2N+2137-(2N-495)) + B_{\bar{N}}(2N+2137-(N+2556)) + B_{\bar{N}}(2N+2137-(2N+1795))$$

$$= B_{\bar{N}}(2632) + B_{\bar{N}}(N-419) + B_{\bar{N}}(342) = 2632 + (N-419) + 342 = N + 2555$$

$$(N \ge 2632)$$

$$B_{\bar{N}}(2N+2138) = B_{\bar{N}}(2N+2138-B_{\bar{N}}(2N+2137)) + B_{\bar{N}}(2N+2138-B_{\bar{N}}(2N+2136)) + B_{\bar{N}}(2N+2138-B_{\bar{N}}(2N+2135))$$

$$= B_{\bar{N}}(2N+2138-(N+2555)) + B_{\bar{N}}(2N+2138-(2N-495)) + B_{\bar{N}}(2N+2138-(N+2556))$$

$$= B_{\bar{N}}(N-417) + B_{\bar{N}}(2633) + B_{\bar{N}}(N-418) = (N-417) + 2633 + (N-418) = 2N+1798$$

$$(N \ge 2633)$$

$$B_{\bar{N}}(2N+2139) = B_{\bar{N}}(2N+2139 - B_{\bar{N}}(2N+2138)) + B_{\bar{N}}(2N+2139 - B_{\bar{N}}(2N+2137)) + B_{\bar{N}}(2N+2139 - B_{\bar{N}}(2N+2136))$$

$$= B_{\bar{N}}(2N+2139 - (2N+1798)) + B_{\bar{N}}(2N+2139 - (N+2555)) + B_{\bar{N}}(2N+2139 - (2N-495))$$

$$= B_{\bar{N}}(341) + B_{\bar{N}}(N-416) + B_{\bar{N}}(2634) = 341 + (N-416) + 2634 = N + 2559$$

$$(N \ge 2634)$$

$$B_{\bar{N}}(2N+2140) = B_{\bar{N}}(2N+2140-B_{\bar{N}}(2N+2139)) + B_{\bar{N}}(2N+2140-B_{\bar{N}}(2N+2138)) + B_{\bar{N}}(2N+2140-B_{\bar{N}}(2N+2137))$$

$$= B_{\bar{N}}(2N+2140-(N+2559)) + B_{\bar{N}}(2N+2140-(2N+1798)) + B_{\bar{N}}(2N+2140-(N+2555))$$

$$= B_{\bar{N}}(N-419) + B_{\bar{N}}(342) + B_{\bar{N}}(N-415) = (N-419) + 342 + (N-415) = 2N-492$$

$$(N \ge 420)$$

$$B_{\bar{N}}(2N+2141) = B_{\bar{N}}(2N+2141 - B_{\bar{N}}(2N+2140)) + B_{\bar{N}}(2N+2141 - B_{\bar{N}}(2N+2139)) + B_{\bar{N}}(2N+2141 - B_{\bar{N}}(2N+2138))$$

$$= B_{\bar{N}}(2N+2141 - (2N-492)) + B_{\bar{N}}(2N+2141 - (N+2559)) + B_{\bar{N}}(2N+2141 - (2N+1798))$$

$$= B_{\bar{N}}(2633) + B_{\bar{N}}(N-418) + B_{\bar{N}}(343) = 2633 + (N-418) + 343 = N + 2558$$

$$(N \ge 2633)$$

$$B_{\bar{N}}(2N+2142) = B_{\bar{N}}(2N+2142-B_{\bar{N}}(2N+2141)) + B_{\bar{N}}(2N+2142-B_{\bar{N}}(2N+2140)) + B_{\bar{N}}(2N+2142-B_{\bar{N}}(2N+2139))$$

$$= B_{\bar{N}}(2N+2142-(N+2558)) + B_{\bar{N}}(2N+2142-(2N-492)) + B_{\bar{N}}(2N+2142-(N+2559))$$

$$= B_{\bar{N}}(N-416) + B_{\bar{N}}(2634) + B_{\bar{N}}(N-417) = (N-416) + 2634 + (N-417) = 2N+1801$$

$$(N \ge 2634)$$

$$B_{\bar{N}}(2N+2143) = B_{\bar{N}}(2N+2143-B_{\bar{N}}(2N+2142)) + B_{\bar{N}}(2N+2143-B_{\bar{N}}(2N+2141)) + B_{\bar{N}}(2N+2143-B_{\bar{N}}(2N+2140))$$

$$= B_{\bar{N}}(2N+2143-(2N+1801)) + B_{\bar{N}}(2N+2143-(N+2558)) + B_{\bar{N}}(2N+2143-(2N-492))$$

$$= B_{\bar{N}}(342) + B_{\bar{N}}(N-415) + B_{\bar{N}}(2635) = 342 + (N-415) + 2635 = N + 2562$$

$$(N \ge 2635)$$

$$B_{\bar{N}}(2N+2144) = B_{\bar{N}}(2N+2144-B_{\bar{N}}(2N+2143)) + B_{\bar{N}}(2N+2144-B_{\bar{N}}(2N+2142)) + B_{\bar{N}}(2N+2144-B_{\bar{N}}(2N+2141))$$

$$= B_{\bar{N}}(2N+2144-(N+2562)) + B_{\bar{N}}(2N+2144-(2N+1801)) + B_{\bar{N}}(2N+2144-(N+2558))$$

$$= B_{\bar{N}}(N-418) + B_{\bar{N}}(343) + B_{\bar{N}}(N-414) = (N-418) + 343 + (N-414) = 2N-489$$

$$(N \ge 419)$$

$$B_{\bar{N}}(2N+2145) = B_{\bar{N}}(2N+2145-B_{\bar{N}}(2N+2144)) + B_{\bar{N}}(2N+2145-B_{\bar{N}}(2N+2143)) + B_{\bar{N}}(2N+2145-B_{\bar{N}}(2N+2142))$$

$$= B_{\bar{N}}(2N+2145-(2N-489)) + B_{\bar{N}}(2N+2145-(N+2562)) + B_{\bar{N}}(2N+2145-(2N+1801))$$

$$= B_{\bar{N}}(2634) + B_{\bar{N}}(N-417) + B_{\bar{N}}(344) = 2634 + (N-417) + 344 = N + 2561$$

$$(N \ge 2634)$$

$$B_{\bar{N}}(2N+2146) = B_{\bar{N}}(2N+2146-B_{\bar{N}}(2N+2145)) + B_{\bar{N}}(2N+2146-B_{\bar{N}}(2N+2144)) + B_{\bar{N}}(2N+2146-B_{\bar{N}}(2N+2143))$$

$$= B_{\bar{N}}(2N+2146-(N+2561)) + B_{\bar{N}}(2N+2146-(2N-489)) + B_{\bar{N}}(2N+2146-(N+2562))$$

$$= B_{\bar{N}}(N-415) + B_{\bar{N}}(2635) + B_{\bar{N}}(N-416) = (N-415) + 2635 + (N-416) = 2N+1804$$

$$(N > 2635)$$

$$B_{\bar{N}}(2N+2147) = B_{\bar{N}}(2N+2147-B_{\bar{N}}(2N+2146)) + B_{\bar{N}}(2N+2147-B_{\bar{N}}(2N+2145)) + B_{\bar{N}}(2N+2147-B_{\bar{N}}(2N+2144))$$

$$= B_{\bar{N}}(2N+2147-(2N+1804)) + B_{\bar{N}}(2N+2147-(N+2561)) + B_{\bar{N}}(2N+2147-(2N-489))$$

$$= B_{\bar{N}}(343) + B_{\bar{N}}(N-414) + B_{\bar{N}}(2636) = 343 + (N-414) + 2636 = N + 2565$$

$$(N \ge 2636)$$

$$B_{\bar{N}}(2N+2148) = B_{\bar{N}}(2N+2148-B_{\bar{N}}(2N+2147)) + B_{\bar{N}}(2N+2148-B_{\bar{N}}(2N+2146)) + B_{\bar{N}}(2N+2148-B_{\bar{N}}(2N+2145))$$

$$= B_{\bar{N}}(2N+2148-(N+2565)) + B_{\bar{N}}(2N+2148-(2N+1804)) + B_{\bar{N}}(2N+2148-(N+2561))$$

$$= B_{\bar{N}}(N-417) + B_{\bar{N}}(344) + B_{\bar{N}}(N-413) = (N-417) + 344 + (N-413) = 2N-486$$

$$(N \ge 418)$$

$$B_{\bar{N}}(2N+2149) = B_{\bar{N}}(2N+2149 - B_{\bar{N}}(2N+2148)) + B_{\bar{N}}(2N+2149 - B_{\bar{N}}(2N+2147)) + B_{\bar{N}}(2N+2149 - B_{\bar{N}}(2N+2146))$$

$$= B_{\bar{N}}(2N+2149 - (2N-486)) + B_{\bar{N}}(2N+2149 - (N+2565)) + B_{\bar{N}}(2N+2149 - (2N+1804))$$

$$= B_{\bar{N}}(2635) + B_{\bar{N}}(N-416) + B_{\bar{N}}(345) = 2635 + (N-416) + 345 = N + 2564$$

$$(N \ge 2635)$$

$$B_{\bar{N}}(2N+2150) = B_{\bar{N}}(2N+2150 - B_{\bar{N}}(2N+2149)) + B_{\bar{N}}(2N+2150 - B_{\bar{N}}(2N+2148)) + B_{\bar{N}}(2N+2150 - B_{\bar{N}}(2N+2147))$$

$$= B_{\bar{N}}(2N+2150 - (N+2564)) + B_{\bar{N}}(2N+2150 - (2N-486)) + B_{\bar{N}}(2N+2150 - (N+2565))$$

$$= B_{\bar{N}}(N-414) + B_{\bar{N}}(2636) + B_{\bar{N}}(N-415) = (N-414) + 2636 + (N-415) = 2N + 1807$$

$$(N \ge 2636)$$

$$B_{\bar{N}}(2N+2151) = B_{\bar{N}}(2N+2151-B_{\bar{N}}(2N+2150)) + B_{\bar{N}}(2N+2151-B_{\bar{N}}(2N+2149)) + B_{\bar{N}}(2N+2151-B_{\bar{N}}(2N+2148))$$

$$= B_{\bar{N}}(2N+2151-(2N+1807)) + B_{\bar{N}}(2N+2151-(N+2564)) + B_{\bar{N}}(2N+2151-(2N-486))$$

$$= B_{\bar{N}}(344) + B_{\bar{N}}(N-413) + B_{\bar{N}}(2637) = 344 + (N-413) + 2637 = N + 2568$$

$$(N \ge 2637)$$

$$B_{\bar{N}}(2N+2152) = B_{\bar{N}}(2N+2152-B_{\bar{N}}(2N+2151)) + B_{\bar{N}}(2N+2152-B_{\bar{N}}(2N+2150)) + B_{\bar{N}}(2N+2152-B_{\bar{N}}(2N+2149))$$

$$= B_{\bar{N}}(2N+2152-(N+2568)) + B_{\bar{N}}(2N+2152-(2N+1807)) + B_{\bar{N}}(2N+2152-(N+2564))$$

$$= B_{\bar{N}}(N-416) + B_{\bar{N}}(345) + B_{\bar{N}}(N-412) = (N-416) + 345 + (N-412) = 2N-483$$

$$(N \ge 417)$$

$$B_{\bar{N}}(2N+2153) = B_{\bar{N}}(2N+2153-B_{\bar{N}}(2N+2152)) + B_{\bar{N}}(2N+2153-B_{\bar{N}}(2N+2151)) + B_{\bar{N}}(2N+2153-B_{\bar{N}}(2N+2150))$$

$$= B_{\bar{N}}(2N+2153-(2N-483)) + B_{\bar{N}}(2N+2153-(N+2568)) + B_{\bar{N}}(2N+2153-(2N+1807))$$

$$= B_{\bar{N}}(2636) + B_{\bar{N}}(N-415) + B_{\bar{N}}(346) = 2636 + (N-415) + 346 = N + 2567$$

$$(N \ge 2636)$$

$$B_{\bar{N}}(2N+2154) = B_{\bar{N}}(2N+2154 - B_{\bar{N}}(2N+2153)) + B_{\bar{N}}(2N+2154 - B_{\bar{N}}(2N+2152)) + B_{\bar{N}}(2N+2154 - B_{\bar{N}}(2N+2151))$$

$$= B_{\bar{N}}(2N+2154 - (N+2567)) + B_{\bar{N}}(2N+2154 - (2N-483)) + B_{\bar{N}}(2N+2154 - (N+2568))$$

$$= B_{\bar{N}}(N-413) + B_{\bar{N}}(2637) + B_{\bar{N}}(N-414) = (N-413) + 2637 + (N-414) = 2N + 1810$$

$$(N \ge 2637)$$

$$B_{\bar{N}}(2N+2155) = B_{\bar{N}}(2N+2155-B_{\bar{N}}(2N+2154)) + B_{\bar{N}}(2N+2155-B_{\bar{N}}(2N+2153)) + B_{\bar{N}}(2N+2155-B_{\bar{N}}(2N+2152))$$

$$= B_{\bar{N}}(2N+2155-(2N+1810)) + B_{\bar{N}}(2N+2155-(N+2567)) + B_{\bar{N}}(2N+2155-(2N-483))$$

$$= B_{\bar{N}}(345) + B_{\bar{N}}(N-412) + B_{\bar{N}}(2638) = 345 + (N-412) + 2638 = N + 2571$$

$$(N \ge 2638)$$

$$B_{\bar{N}}(2N+2156) = B_{\bar{N}}(2N+2156-B_{\bar{N}}(2N+2155)) + B_{\bar{N}}(2N+2156-B_{\bar{N}}(2N+2154)) + B_{\bar{N}}(2N+2156-B_{\bar{N}}(2N+2153))$$

$$= B_{\bar{N}}(2N+2156-(N+2571)) + B_{\bar{N}}(2N+2156-(2N+1810)) + B_{\bar{N}}(2N+2156-(N+2567))$$

$$= B_{\bar{N}}(N-415) + B_{\bar{N}}(346) + B_{\bar{N}}(N-411) = (N-415) + 346 + (N-411) = 2N-480$$

$$(N > 416)$$

$$B_{\bar{N}}(2N+2157) = B_{\bar{N}}(2N+2157-B_{\bar{N}}(2N+2156)) + B_{\bar{N}}(2N+2157-B_{\bar{N}}(2N+2155)) + B_{\bar{N}}(2N+2157-B_{\bar{N}}(2N+2154))$$

$$= B_{\bar{N}}(2N+2157-(2N-480)) + B_{\bar{N}}(2N+2157-(N+2571)) + B_{\bar{N}}(2N+2157-(2N+1810))$$

$$= B_{\bar{N}}(2637) + B_{\bar{N}}(N-414) + B_{\bar{N}}(347) = 2637 + (N-414) + 347 = N + 2570$$

$$(N \ge 2637)$$

$$B_{\bar{N}}(2N+2158) = B_{\bar{N}}(2N+2158-B_{\bar{N}}(2N+2157)) + B_{\bar{N}}(2N+2158-B_{\bar{N}}(2N+2156)) + B_{\bar{N}}(2N+2158-B_{\bar{N}}(2N+2155))$$

$$= B_{\bar{N}}(2N+2158-(N+2570)) + B_{\bar{N}}(2N+2158-(2N-480)) + B_{\bar{N}}(2N+2158-(N+2571))$$

$$= B_{\bar{N}}(N-412) + B_{\bar{N}}(2638) + B_{\bar{N}}(N-413) = (N-412) + 2638 + (N-413) = 2N+1813$$

$$(N \ge 2638)$$

$$B_{\bar{N}}(2N+2159) = B_{\bar{N}}(2N+2159 - B_{\bar{N}}(2N+2158)) + B_{\bar{N}}(2N+2159 - B_{\bar{N}}(2N+2157)) + B_{\bar{N}}(2N+2159 - B_{\bar{N}}(2N+2156))$$

$$= B_{\bar{N}}(2N+2159 - (2N+1813)) + B_{\bar{N}}(2N+2159 - (N+2570)) + B_{\bar{N}}(2N+2159 - (2N-480))$$

$$= B_{\bar{N}}(346) + B_{\bar{N}}(N-411) + B_{\bar{N}}(2639) = 346 + (N-411) + 2639 = N + 2574$$

$$(N \ge 2639)$$

$$B_{\bar{N}}(2N+2160) = B_{\bar{N}}(2N+2160-B_{\bar{N}}(2N+2159)) + B_{\bar{N}}(2N+2160-B_{\bar{N}}(2N+2158)) + B_{\bar{N}}(2N+2160-B_{\bar{N}}(2N+2157))$$

$$= B_{\bar{N}}(2N+2160-(N+2574)) + B_{\bar{N}}(2N+2160-(2N+1813)) + B_{\bar{N}}(2N+2160-(N+2570))$$

$$= B_{\bar{N}}(N-414) + B_{\bar{N}}(347) + B_{\bar{N}}(N-410) = (N-414) + 347 + (N-410) = 2N-477$$

$$(N \ge 415)$$

$$B_{\bar{N}}(2N+2161) = B_{\bar{N}}(2N+2161-B_{\bar{N}}(2N+2160)) + B_{\bar{N}}(2N+2161-B_{\bar{N}}(2N+2159)) + B_{\bar{N}}(2N+2161-B_{\bar{N}}(2N+2158))$$

$$= B_{\bar{N}}(2N+2161-(2N-477)) + B_{\bar{N}}(2N+2161-(N+2574)) + B_{\bar{N}}(2N+2161-(2N+1813))$$

$$= B_{\bar{N}}(2638) + B_{\bar{N}}(N-413) + B_{\bar{N}}(348) = 2638 + (N-413) + 348 = N + 2573$$

$$(N > 2638)$$

$$B_{\bar{N}}(2N+2162) = B_{\bar{N}}(2N+2162-B_{\bar{N}}(2N+2161)) + B_{\bar{N}}(2N+2162-B_{\bar{N}}(2N+2160)) + B_{\bar{N}}(2N+2162-B_{\bar{N}}(2N+2159))$$

$$= B_{\bar{N}}(2N+2162-(N+2573)) + B_{\bar{N}}(2N+2162-(2N-477)) + B_{\bar{N}}(2N+2162-(N+2574))$$

$$= B_{\bar{N}}(N-411) + B_{\bar{N}}(2639) + B_{\bar{N}}(N-412) = (N-411) + 2639 + (N-412) = 2N+1816$$

$$(N \ge 2639)$$

$$B_{\bar{N}}(2N+2163) = B_{\bar{N}}(2N+2163-B_{\bar{N}}(2N+2162)) + B_{\bar{N}}(2N+2163-B_{\bar{N}}(2N+2161)) + B_{\bar{N}}(2N+2163-B_{\bar{N}}(2N+2160))$$

$$= B_{\bar{N}}(2N+2163-(2N+1816)) + B_{\bar{N}}(2N+2163-(N+2573)) + B_{\bar{N}}(2N+2163-(2N-477))$$

$$= B_{\bar{N}}(347) + B_{\bar{N}}(N-410) + B_{\bar{N}}(2640) = 347 + (N-410) + 2640 = N + 2577$$

$$(N \ge 2640)$$

$$B_{\bar{N}}(2N+2164) = B_{\bar{N}}(2N+2164-B_{\bar{N}}(2N+2163)) + B_{\bar{N}}(2N+2164-B_{\bar{N}}(2N+2162)) + B_{\bar{N}}(2N+2164-B_{\bar{N}}(2N+2161))$$

$$= B_{\bar{N}}(2N+2164-(N+2577)) + B_{\bar{N}}(2N+2164-(2N+1816)) + B_{\bar{N}}(2N+2164-(N+2573))$$

$$= B_{\bar{N}}(N-413) + B_{\bar{N}}(348) + B_{\bar{N}}(N-409) = (N-413) + 348 + (N-409) = 2N-474$$

$$(N \ge 414)$$

$$B_{\bar{N}}(2N+2165) = B_{\bar{N}}(2N+2165-B_{\bar{N}}(2N+2164)) + B_{\bar{N}}(2N+2165-B_{\bar{N}}(2N+2163)) + B_{\bar{N}}(2N+2165-B_{\bar{N}}(2N+2162))$$

$$= B_{\bar{N}}(2N+2165-(2N-474)) + B_{\bar{N}}(2N+2165-(N+2577)) + B_{\bar{N}}(2N+2165-(2N+1816))$$

$$= B_{\bar{N}}(2639) + B_{\bar{N}}(N-412) + B_{\bar{N}}(349) = 2639 + (N-412) + 349 = N + 2576$$

$$(N \ge 2639)$$

$$B_{\bar{N}}(2N+2166) = B_{\bar{N}}(2N+2166 - B_{\bar{N}}(2N+2165)) + B_{\bar{N}}(2N+2166 - B_{\bar{N}}(2N+2164)) + B_{\bar{N}}(2N+2166 - B_{\bar{N}}(2N+2163))$$

$$= B_{\bar{N}}(2N+2166 - (N+2576)) + B_{\bar{N}}(2N+2166 - (2N-474)) + B_{\bar{N}}(2N+2166 - (N+2577))$$

$$= B_{\bar{N}}(N-410) + B_{\bar{N}}(2640) + B_{\bar{N}}(N-411) = (N-410) + 2640 + (N-411) = 2N+1819$$

$$(N \ge 2640)$$

$$B_{\bar{N}}(2N+2167) = B_{\bar{N}}(2N+2167-B_{\bar{N}}(2N+2166)) + B_{\bar{N}}(2N+2167-B_{\bar{N}}(2N+2165)) + B_{\bar{N}}(2N+2167-B_{\bar{N}}(2N+2164))$$

$$= B_{\bar{N}}(2N+2167-(2N+1819)) + B_{\bar{N}}(2N+2167-(N+2576)) + B_{\bar{N}}(2N+2167-(2N-474))$$

$$= B_{\bar{N}}(348) + B_{\bar{N}}(N-409) + B_{\bar{N}}(2641) = 348 + (N-409) + 2641 = N + 2580$$

$$(N \ge 2641)$$

$$B_{\bar{N}}(2N+2168) = B_{\bar{N}}(2N+2168-B_{\bar{N}}(2N+2167)) + B_{\bar{N}}(2N+2168-B_{\bar{N}}(2N+2166)) + B_{\bar{N}}(2N+2168-B_{\bar{N}}(2N+2165))$$

$$= B_{\bar{N}}(2N+2168-(N+2580)) + B_{\bar{N}}(2N+2168-(2N+1819)) + B_{\bar{N}}(2N+2168-(N+2576))$$

$$= B_{\bar{N}}(N-412) + B_{\bar{N}}(349) + B_{\bar{N}}(N-408) = (N-412) + 349 + (N-408) = 2N-471$$

$$(N \ge 413)$$

$$B_{\bar{N}}(2N+2169) = B_{\bar{N}}(2N+2169 - B_{\bar{N}}(2N+2168)) + B_{\bar{N}}(2N+2169 - B_{\bar{N}}(2N+2167)) + B_{\bar{N}}(2N+2169 - B_{\bar{N}}(2N+2169))$$

$$= B_{\bar{N}}(2N+2169 - (2N-471)) + B_{\bar{N}}(2N+2169 - (N+2580)) + B_{\bar{N}}(2N+2169 - (2N+1819))$$

$$= B_{\bar{N}}(2640) + B_{\bar{N}}(N-411) + B_{\bar{N}}(350) = 2640 + (N-411) + 350 = N + 2579$$

$$(N \ge 2640)$$

$$B_{\bar{N}}(2N+2170) = B_{\bar{N}}(2N+2170-B_{\bar{N}}(2N+2169)) + B_{\bar{N}}(2N+2170-B_{\bar{N}}(2N+2168)) + B_{\bar{N}}(2N+2170-B_{\bar{N}}(2N+2167))$$

$$= B_{\bar{N}}(2N+2170-(N+2579)) + B_{\bar{N}}(2N+2170-(2N-471)) + B_{\bar{N}}(2N+2170-(N+2580))$$

$$= B_{\bar{N}}(N-409) + B_{\bar{N}}(2641) + B_{\bar{N}}(N-410) = (N-409) + 2641 + (N-410) = 2N+1822$$

$$(N \ge 2641)$$

$$B_{\bar{N}}(2N+2171) = B_{\bar{N}}(2N+2171 - B_{\bar{N}}(2N+2170)) + B_{\bar{N}}(2N+2171 - B_{\bar{N}}(2N+2169)) + B_{\bar{N}}(2N+2171 - B_{\bar{N}}(2N+2168))$$

$$= B_{\bar{N}}(2N+2171 - (2N+1822)) + B_{\bar{N}}(2N+2171 - (N+2579)) + B_{\bar{N}}(2N+2171 - (2N-471))$$

$$= B_{\bar{N}}(349) + B_{\bar{N}}(N-408) + B_{\bar{N}}(2642) = 349 + (N-408) + 2642 = N + 2583$$

$$(N \ge 2642)$$

$$B_{\bar{N}}(2N+2172) = B_{\bar{N}}(2N+2172-B_{\bar{N}}(2N+2171)) + B_{\bar{N}}(2N+2172-B_{\bar{N}}(2N+2170)) + B_{\bar{N}}(2N+2172-B_{\bar{N}}(2N+2169))$$

$$= B_{\bar{N}}(2N+2172-(N+2583)) + B_{\bar{N}}(2N+2172-(2N+1822)) + B_{\bar{N}}(2N+2172-(N+2579))$$

$$= B_{\bar{N}}(N-411) + B_{\bar{N}}(350) + B_{\bar{N}}(N-407) = (N-411) + 350 + (N-407) = 2N-468$$

$$(N \ge 412)$$

$$B_{\bar{N}}(2N+2173) = B_{\bar{N}}(2N+2173-B_{\bar{N}}(2N+2172)) + B_{\bar{N}}(2N+2173-B_{\bar{N}}(2N+2171)) + B_{\bar{N}}(2N+2173-B_{\bar{N}}(2N+2170))$$

$$= B_{\bar{N}}(2N+2173-(2N-468)) + B_{\bar{N}}(2N+2173-(N+2583)) + B_{\bar{N}}(2N+2173-(2N+1822))$$

$$= B_{\bar{N}}(2641) + B_{\bar{N}}(N-410) + B_{\bar{N}}(351) = 2641 + (N-410) + 351 = N + 2582$$

$$(N \ge 2641)$$

$$B_{\bar{N}}(2N+2174) = B_{\bar{N}}(2N+2174-B_{\bar{N}}(2N+2173)) + B_{\bar{N}}(2N+2174-B_{\bar{N}}(2N+2172)) + B_{\bar{N}}(2N+2174-B_{\bar{N}}(2N+2171))$$

$$= B_{\bar{N}}(2N+2174-(N+2582)) + B_{\bar{N}}(2N+2174-(2N-468)) + B_{\bar{N}}(2N+2174-(N+2583))$$

$$= B_{\bar{N}}(N-408) + B_{\bar{N}}(2642) + B_{\bar{N}}(N-409) = (N-408) + 2642 + (N-409) = 2N+1825$$

$$(N \ge 2642)$$

$$\begin{split} B_{\bar{N}}(2N+2175) &= B_{\bar{N}}(2N+2175-B_{\bar{N}}(2N+2174)) + B_{\bar{N}}(2N+2175-B_{\bar{N}}(2N+2173)) + B_{\bar{N}}(2N+2175-B_{\bar{N}}(2N+2172)) \\ &= B_{\bar{N}}(2N+2175-(2N+1825)) + B_{\bar{N}}(2N+2175-(N+2582)) + B_{\bar{N}}(2N+2175-(2N-468)) \\ &= B_{\bar{N}}(350) + B_{\bar{N}}(N-407) + B_{\bar{N}}(2643) = 350 + (N-407) + 2643 = N + 2586 \\ &(N \geq 2643) \end{split}$$

$$B_{\bar{N}}(2N+2176) = B_{\bar{N}}(2N+2176-B_{\bar{N}}(2N+2175)) + B_{\bar{N}}(2N+2176-B_{\bar{N}}(2N+2174)) + B_{\bar{N}}(2N+2176-B_{\bar{N}}(2N+2173))$$

$$= B_{\bar{N}}(2N+2176-(N+2586)) + B_{\bar{N}}(2N+2176-(2N+1825)) + B_{\bar{N}}(2N+2176-(N+2582))$$

$$= B_{\bar{N}}(N-410) + B_{\bar{N}}(351) + B_{\bar{N}}(N-406) = (N-410) + 351 + (N-406) = 2N-465$$

$$(N \ge 411)$$

$$B_{\bar{N}}(2N+2177) = B_{\bar{N}}(2N+2177 - B_{\bar{N}}(2N+2176)) + B_{\bar{N}}(2N+2177 - B_{\bar{N}}(2N+2175)) + B_{\bar{N}}(2N+2177 - B_{\bar{N}}(2N+2174))$$

$$= B_{\bar{N}}(2N+2177 - (2N-465)) + B_{\bar{N}}(2N+2177 - (N+2586)) + B_{\bar{N}}(2N+2177 - (2N+1825))$$

$$= B_{\bar{N}}(2642) + B_{\bar{N}}(N-409) + B_{\bar{N}}(352) = 2642 + (N-409) + 352 = N + 2585$$

$$(N \ge 2642)$$

$$B_{\bar{N}}(2N+2178) = B_{\bar{N}}(2N+2178-B_{\bar{N}}(2N+2177)) + B_{\bar{N}}(2N+2178-B_{\bar{N}}(2N+2176)) + B_{\bar{N}}(2N+2178-B_{\bar{N}}(2N+2175)) = B_{\bar{N}}(2N+2178-(N+2585)) + B_{\bar{N}}(2N+2178-(2N-465)) + B_{\bar{N}}(2N+2178-(N+2586)) = B_{\bar{N}}(N-407) + B_{\bar{N}}(2643) + B_{\bar{N}}(N-408) = (N-407) + 2643 + (N-408) = 2N+1828 (N \ge 2643)$$

$$B_{\bar{N}}(2N+2179) = B_{\bar{N}}(2N+2179 - B_{\bar{N}}(2N+2178)) + B_{\bar{N}}(2N+2179 - B_{\bar{N}}(2N+2177)) + B_{\bar{N}}(2N+2179 - B_{\bar{N}}(2N+2176))$$

$$= B_{\bar{N}}(2N+2179 - (2N+1828)) + B_{\bar{N}}(2N+2179 - (N+2585)) + B_{\bar{N}}(2N+2179 - (2N-465))$$

$$= B_{\bar{N}}(351) + B_{\bar{N}}(N-406) + B_{\bar{N}}(2644) = 351 + (N-406) + 2644 = N + 2589$$

$$(N \ge 2644)$$

$$B_{\bar{N}}(2N+2180) = B_{\bar{N}}(2N+2180 - B_{\bar{N}}(2N+2179)) + B_{\bar{N}}(2N+2180 - B_{\bar{N}}(2N+2178)) + B_{\bar{N}}(2N+2180 - B_{\bar{N}}(2N+2177))$$

$$= B_{\bar{N}}(2N+2180 - (N+2589)) + B_{\bar{N}}(2N+2180 - (2N+1828)) + B_{\bar{N}}(2N+2180 - (N+2585))$$

$$= B_{\bar{N}}(N-409) + B_{\bar{N}}(352) + B_{\bar{N}}(N-405) = (N-409) + 352 + (N-405) = 2N-462$$

$$(N \ge 410)$$

$$B_{\bar{N}}(2N+2181) = B_{\bar{N}}(2N+2181-B_{\bar{N}}(2N+2180)) + B_{\bar{N}}(2N+2181-B_{\bar{N}}(2N+2179)) + B_{\bar{N}}(2N+2181-B_{\bar{N}}(2N+2178))$$

$$= B_{\bar{N}}(2N+2181-(2N-462)) + B_{\bar{N}}(2N+2181-(N+2589)) + B_{\bar{N}}(2N+2181-(2N+1828))$$

$$= B_{\bar{N}}(2643) + B_{\bar{N}}(N-408) + B_{\bar{N}}(353) = 2643 + (N-408) + 353 = N + 2588$$

$$(N > 2643)$$

$$B_{\bar{N}}(2N+2182) = B_{\bar{N}}(2N+2182-B_{\bar{N}}(2N+2181)) + B_{\bar{N}}(2N+2182-B_{\bar{N}}(2N+2180)) + B_{\bar{N}}(2N+2182-B_{\bar{N}}(2N+2179))$$

$$= B_{\bar{N}}(2N+2182-(N+2588)) + B_{\bar{N}}(2N+2182-(2N-462)) + B_{\bar{N}}(2N+2182-(N+2589))$$

$$= B_{\bar{N}}(N-406) + B_{\bar{N}}(2644) + B_{\bar{N}}(N-407) = (N-406) + 2644 + (N-407) = 2N+1831$$

$$(N \ge 2644)$$

$$B_{\bar{N}}(2N+2183) = B_{\bar{N}}(2N+2183-B_{\bar{N}}(2N+2182)) + B_{\bar{N}}(2N+2183-B_{\bar{N}}(2N+2181)) + B_{\bar{N}}(2N+2183-B_{\bar{N}}(2N+2180))$$

$$= B_{\bar{N}}(2N+2183-(2N+1831)) + B_{\bar{N}}(2N+2183-(N+2588)) + B_{\bar{N}}(2N+2183-(2N-462))$$

$$= B_{\bar{N}}(352) + B_{\bar{N}}(N-405) + B_{\bar{N}}(2645) = 352 + (N-405) + 2645 = N + 2592$$

$$(N \ge 2645)$$

$$B_{\bar{N}}(2N+2184) = B_{\bar{N}}(2N+2184-B_{\bar{N}}(2N+2183)) + B_{\bar{N}}(2N+2184-B_{\bar{N}}(2N+2182)) + B_{\bar{N}}(2N+2184-B_{\bar{N}}(2N+2181))$$

$$= B_{\bar{N}}(2N+2184-(N+2592)) + B_{\bar{N}}(2N+2184-(2N+1831)) + B_{\bar{N}}(2N+2184-(N+2588))$$

$$= B_{\bar{N}}(N-408) + B_{\bar{N}}(353) + B_{\bar{N}}(N-404) = (N-408) + 353 + (N-404) = 2N-459$$

$$(N \ge 409)$$

$$B_{\bar{N}}(2N+2185) = B_{\bar{N}}(2N+2185-B_{\bar{N}}(2N+2184)) + B_{\bar{N}}(2N+2185-B_{\bar{N}}(2N+2183)) + B_{\bar{N}}(2N+2185-B_{\bar{N}}(2N+2182))$$

$$= B_{\bar{N}}(2N+2185-(2N-459)) + B_{\bar{N}}(2N+2185-(N+2592)) + B_{\bar{N}}(2N+2185-(2N+1831))$$

$$= B_{\bar{N}}(2644) + B_{\bar{N}}(N-407) + B_{\bar{N}}(354) = 2644 + (N-407) + 354 = N + 2591$$

$$(N \ge 2644)$$

$$B_{\bar{N}}(2N+2186) = B_{\bar{N}}(2N+2186-B_{\bar{N}}(2N+2185)) + B_{\bar{N}}(2N+2186-B_{\bar{N}}(2N+2184)) + B_{\bar{N}}(2N+2186-B_{\bar{N}}(2N+2183))$$

$$= B_{\bar{N}}(2N+2186-(N+2591)) + B_{\bar{N}}(2N+2186-(2N-459)) + B_{\bar{N}}(2N+2186-(N+2592))$$

$$= B_{\bar{N}}(N-405) + B_{\bar{N}}(2645) + B_{\bar{N}}(N-406) = (N-405) + 2645 + (N-406) = 2N+1834$$

$$(N \ge 2645)$$

$$B_{\bar{N}}(2N+2187) = B_{\bar{N}}(2N+2187 - B_{\bar{N}}(2N+2186)) + B_{\bar{N}}(2N+2187 - B_{\bar{N}}(2N+2185)) + B_{\bar{N}}(2N+2187 - B_{\bar{N}}(2N+2184))$$

$$= B_{\bar{N}}(2N+2187 - (2N+1834)) + B_{\bar{N}}(2N+2187 - (N+2591)) + B_{\bar{N}}(2N+2187 - (2N-459))$$

$$= B_{\bar{N}}(353) + B_{\bar{N}}(N-404) + B_{\bar{N}}(2646) = 353 + (N-404) + 2646 = N + 2595$$

$$(N \ge 2646)$$

$$B_{\bar{N}}(2N+2188) = B_{\bar{N}}(2N+2188-B_{\bar{N}}(2N+2187)) + B_{\bar{N}}(2N+2188-B_{\bar{N}}(2N+2186)) + B_{\bar{N}}(2N+2188-B_{\bar{N}}(2N+2185))$$

$$= B_{\bar{N}}(2N+2188-(N+2595)) + B_{\bar{N}}(2N+2188-(2N+1834)) + B_{\bar{N}}(2N+2188-(N+2591))$$

$$= B_{\bar{N}}(N-407) + B_{\bar{N}}(354) + B_{\bar{N}}(N-403) = (N-407) + 354 + (N-403) = 2N-456$$

$$(N \ge 408)$$

$$B_{\bar{N}}(2N+2189) = B_{\bar{N}}(2N+2189 - B_{\bar{N}}(2N+2188)) + B_{\bar{N}}(2N+2189 - B_{\bar{N}}(2N+2187)) + B_{\bar{N}}(2N+2189 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2190) = B_{\bar{N}}(2N+2190 - B_{\bar{N}}(2N+2189)) + B_{\bar{N}}(2N+2190 - B_{\bar{N}}(2N+2188)) + B_{\bar{N}}(2N+2190 - B_{\bar{N}}(2N+2187))$$

$$= B_{\bar{N}}(2N+2190 - (N+2594)) + B_{\bar{N}}(2N+2190 - (2N-456)) + B_{\bar{N}}(2N+2190 - (N+2595))$$

$$= B_{\bar{N}}(N-404) + B_{\bar{N}}(2646) + B_{\bar{N}}(N-405) = (N-404) + 2646 + (N-405) = 2N+1837$$

$$(N \ge 2646)$$

$$B_{\bar{N}}(2N+2191) = B_{\bar{N}}(2N+2191-B_{\bar{N}}(2N+2190)) + B_{\bar{N}}(2N+2191-B_{\bar{N}}(2N+2189)) + B_{\bar{N}}(2N+2191-B_{\bar{N}}(2N+2188))$$

$$= B_{\bar{N}}(2N+2191-(2N+1837)) + B_{\bar{N}}(2N+2191-(N+2594)) + B_{\bar{N}}(2N+2191-(2N-456))$$

$$= B_{\bar{N}}(354) + B_{\bar{N}}(N-403) + B_{\bar{N}}(2647) = 354 + (N-403) + 2647 = N + 2598$$

$$(N \ge 2647)$$

$$B_{\bar{N}}(2N+2192) = B_{\bar{N}}(2N+2192-B_{\bar{N}}(2N+2191)) + B_{\bar{N}}(2N+2192-B_{\bar{N}}(2N+2190)) + B_{\bar{N}}(2N+2192-B_{\bar{N}}(2N+2189))$$

$$= B_{\bar{N}}(2N+2192-(N+2598)) + B_{\bar{N}}(2N+2192-(2N+1837)) + B_{\bar{N}}(2N+2192-(N+2594))$$

$$= B_{\bar{N}}(N-406) + B_{\bar{N}}(355) + B_{\bar{N}}(N-402) = (N-406) + 355 + (N-402) = 2N-453$$

$$(N \ge 407)$$

$$B_{\bar{N}}(2N+2193) = B_{\bar{N}}(2N+2193-B_{\bar{N}}(2N+2192)) + B_{\bar{N}}(2N+2193-B_{\bar{N}}(2N+2191)) + B_{\bar{N}}(2N+2193-B_{\bar{N}}(2N+2190))$$

$$= B_{\bar{N}}(2N+2193-(2N-453)) + B_{\bar{N}}(2N+2193-(N+2598)) + B_{\bar{N}}(2N+2193-(2N+1837))$$

$$= B_{\bar{N}}(2646) + B_{\bar{N}}(N-405) + B_{\bar{N}}(356) = 2646 + (N-405) + 356 = N + 2597$$

$$(N \ge 2646)$$

$$B_{\bar{N}}(2N+2194) = B_{\bar{N}}(2N+2194-B_{\bar{N}}(2N+2193)) + B_{\bar{N}}(2N+2194-B_{\bar{N}}(2N+2192)) + B_{\bar{N}}(2N+2194-B_{\bar{N}}(2N+2191))$$

$$= B_{\bar{N}}(2N+2194-(N+2597)) + B_{\bar{N}}(2N+2194-(2N-453)) + B_{\bar{N}}(2N+2194-(N+2598))$$

$$= B_{\bar{N}}(N-403) + B_{\bar{N}}(2647) + B_{\bar{N}}(N-404) = (N-403) + 2647 + (N-404) = 2N+1840$$

$$(N \ge 2647)$$

$$B_{\bar{N}}(2N+2195) = B_{\bar{N}}(2N+2195-B_{\bar{N}}(2N+2194)) + B_{\bar{N}}(2N+2195-B_{\bar{N}}(2N+2193)) + B_{\bar{N}}(2N+2195-B_{\bar{N}}(2N+2192))$$

$$= B_{\bar{N}}(2N+2195-(2N+1840)) + B_{\bar{N}}(2N+2195-(N+2597)) + B_{\bar{N}}(2N+2195-(2N-453))$$

$$= B_{\bar{N}}(355) + B_{\bar{N}}(N-402) + B_{\bar{N}}(2648) = 355 + (N-402) + 2648 = N + 2601$$

$$(N \ge 2648)$$

$$B_{\bar{N}}(2N+2196) = B_{\bar{N}}(2N+2196-B_{\bar{N}}(2N+2195)) + B_{\bar{N}}(2N+2196-B_{\bar{N}}(2N+2194)) + B_{\bar{N}}(2N+2196-B_{\bar{N}}(2N+2193))$$

$$= B_{\bar{N}}(2N+2196-(N+2601)) + B_{\bar{N}}(2N+2196-(2N+1840)) + B_{\bar{N}}(2N+2196-(N+2597))$$

$$= B_{\bar{N}}(N-405) + B_{\bar{N}}(356) + B_{\bar{N}}(N-401) = (N-405) + 356 + (N-401) = 2N-450$$

$$(N \ge 406)$$

$$B_{\bar{N}}(2N+2197) = B_{\bar{N}}(2N+2197 - B_{\bar{N}}(2N+2196)) + B_{\bar{N}}(2N+2197 - B_{\bar{N}}(2N+2195)) + B_{\bar{N}}(2N+2197 - B_{\bar{N}}(2N+2194))$$

$$= B_{\bar{N}}(2N+2197 - (2N-450)) + B_{\bar{N}}(2N+2197 - (N+2601)) + B_{\bar{N}}(2N+2197 - (2N+1840))$$

$$= B_{\bar{N}}(2647) + B_{\bar{N}}(N-404) + B_{\bar{N}}(357) = 2647 + (N-404) + 357 = N + 2600$$

$$(N \ge 2647)$$

$$B_{\bar{N}}(2N+2198) = B_{\bar{N}}(2N+2198-B_{\bar{N}}(2N+2197)) + B_{\bar{N}}(2N+2198-B_{\bar{N}}(2N+2196)) + B_{\bar{N}}(2N+2198-B_{\bar{N}}(2N+2195))$$

$$= B_{\bar{N}}(2N+2198-(N+2600)) + B_{\bar{N}}(2N+2198-(2N-450)) + B_{\bar{N}}(2N+2198-(N+2601))$$

$$= B_{\bar{N}}(N-402) + B_{\bar{N}}(2648) + B_{\bar{N}}(N-403) = (N-402) + 2648 + (N-403) = 2N+1843$$

$$(N \ge 2648)$$

$$B_{\bar{N}}(2N+2199) = B_{\bar{N}}(2N+2199 - B_{\bar{N}}(2N+2198)) + B_{\bar{N}}(2N+2199 - B_{\bar{N}}(2N+2197)) + B_{\bar{N}}(2N+2199 - B_{\bar{N}}(2N+2196))$$

$$= B_{\bar{N}}(2N+2199 - (2N+1843)) + B_{\bar{N}}(2N+2199 - (N+2600)) + B_{\bar{N}}(2N+2199 - (2N-450))$$

$$= B_{\bar{N}}(356) + B_{\bar{N}}(N-401) + B_{\bar{N}}(2649) = 356 + (N-401) + 2649 = N + 2604$$

$$(N \ge 2649)$$

$$B_{\bar{N}}(2N+2200) = B_{\bar{N}}(2N+2200 - B_{\bar{N}}(2N+2199)) + B_{\bar{N}}(2N+2200 - B_{\bar{N}}(2N+2198)) + B_{\bar{N}}(2N+2200 - B_{\bar{N}}(2N+2197))$$

$$= B_{\bar{N}}(2N+2200 - (N+2604)) + B_{\bar{N}}(2N+2200 - (2N+1843)) + B_{\bar{N}}(2N+2200 - (N+2600))$$

$$= B_{\bar{N}}(N-404) + B_{\bar{N}}(357) + B_{\bar{N}}(N-400) = (N-404) + 357 + (N-400) = 2N-447$$

$$(N \ge 405)$$

$$B_{\bar{N}}(2N+2201) = B_{\bar{N}}(2N+2201 - B_{\bar{N}}(2N+2200)) + B_{\bar{N}}(2N+2201 - B_{\bar{N}}(2N+2199)) + B_{\bar{N}}(2N+2201 - B_{\bar{N}}(2N+2198))$$

$$= B_{\bar{N}}(2N+2201 - (2N-447)) + B_{\bar{N}}(2N+2201 - (N+2604)) + B_{\bar{N}}(2N+2201 - (2N+1843))$$

$$= B_{\bar{N}}(2648) + B_{\bar{N}}(N-403) + B_{\bar{N}}(358) = 2648 + (N-403) + 358 = N + 2603$$

$$(N \ge 2648)$$

$$B_{\bar{N}}(2N+2202) = B_{\bar{N}}(2N+2202-B_{\bar{N}}(2N+2201)) + B_{\bar{N}}(2N+2202-B_{\bar{N}}(2N+2200)) + B_{\bar{N}}(2N+2202-B_{\bar{N}}(2N+2199))$$

$$= B_{\bar{N}}(2N+2202-(N+2603)) + B_{\bar{N}}(2N+2202-(2N-447)) + B_{\bar{N}}(2N+2202-(N+2604))$$

$$= B_{\bar{N}}(N-401) + B_{\bar{N}}(2649) + B_{\bar{N}}(N-402) = (N-401) + 2649 + (N-402) = 2N+1846$$

$$(N \ge 2649)$$

$$B_{\bar{N}}(2N+2203) = B_{\bar{N}}(2N+2203-B_{\bar{N}}(2N+2202)) + B_{\bar{N}}(2N+2203-B_{\bar{N}}(2N+2201)) + B_{\bar{N}}(2N+2203-B_{\bar{N}}(2N+2200))$$

$$= B_{\bar{N}}(2N+2203-(2N+1846)) + B_{\bar{N}}(2N+2203-(N+2603)) + B_{\bar{N}}(2N+2203-(2N-447))$$

$$= B_{\bar{N}}(357) + B_{\bar{N}}(N-400) + B_{\bar{N}}(2650) = 357 + (N-400) + 2650 = N + 2607$$

$$(N \ge 2650)$$

$$B_{\bar{N}}(2N+2204) = B_{\bar{N}}(2N+2204-B_{\bar{N}}(2N+2203)) + B_{\bar{N}}(2N+2204-B_{\bar{N}}(2N+2202)) + B_{\bar{N}}(2N+2204-B_{\bar{N}}(2N+2201))$$

$$= B_{\bar{N}}(2N+2204-(N+2607)) + B_{\bar{N}}(2N+2204-(2N+1846)) + B_{\bar{N}}(2N+2204-(N+2603))$$

$$= B_{\bar{N}}(N-403) + B_{\bar{N}}(358) + B_{\bar{N}}(N-399) = (N-403) + 358 + (N-399) = 2N-444$$

$$(N \ge 404)$$

$$B_{\bar{N}}(2N+2205) = B_{\bar{N}}(2N+2205-B_{\bar{N}}(2N+2204)) + B_{\bar{N}}(2N+2205-B_{\bar{N}}(2N+2203)) + B_{\bar{N}}(2N+2205-B_{\bar{N}}(2N+2202))$$

$$= B_{\bar{N}}(2N+2205-(2N-444)) + B_{\bar{N}}(2N+2205-(N+2607)) + B_{\bar{N}}(2N+2205-(2N+1846))$$

$$= B_{\bar{N}}(2649) + B_{\bar{N}}(N-402) + B_{\bar{N}}(359) = 2649 + (N-402) + 359 = N + 2606$$

$$(N \ge 2649)$$

$$B_{\bar{N}}(2N+2206) = B_{\bar{N}}(2N+2206-B_{\bar{N}}(2N+2205)) + B_{\bar{N}}(2N+2206-B_{\bar{N}}(2N+2204)) + B_{\bar{N}}(2N+2206-B_{\bar{N}}(2N+2203))$$

$$= B_{\bar{N}}(2N+2206-(N+2606)) + B_{\bar{N}}(2N+2206-(2N-444)) + B_{\bar{N}}(2N+2206-(N+2607))$$

$$= B_{\bar{N}}(N-400) + B_{\bar{N}}(2650) + B_{\bar{N}}(N-401) = (N-400) + 2650 + (N-401) = 2N + 1849$$

$$(N \ge 2650)$$

$$B_{\bar{N}}(2N+2207) = B_{\bar{N}}(2N+2207-B_{\bar{N}}(2N+2206)) + B_{\bar{N}}(2N+2207-B_{\bar{N}}(2N+2205)) + B_{\bar{N}}(2N+2207-B_{\bar{N}}(2N+2204))$$

$$= B_{\bar{N}}(2N+2207-(2N+1849)) + B_{\bar{N}}(2N+2207-(N+2606)) + B_{\bar{N}}(2N+2207-(2N-444))$$

$$= B_{\bar{N}}(358) + B_{\bar{N}}(N-399) + B_{\bar{N}}(2651) = 358 + (N-399) + 2651 = N + 2610$$

$$(N \ge 2651)$$

$$B_{\bar{N}}(2N+2208) = B_{\bar{N}}(2N+2208-B_{\bar{N}}(2N+2207)) + B_{\bar{N}}(2N+2208-B_{\bar{N}}(2N+2206)) + B_{\bar{N}}(2N+2208-B_{\bar{N}}(2N+2205))$$

$$= B_{\bar{N}}(2N+2208-(N+2610)) + B_{\bar{N}}(2N+2208-(2N+1849)) + B_{\bar{N}}(2N+2208-(N+2606))$$

$$= B_{\bar{N}}(N-402) + B_{\bar{N}}(359) + B_{\bar{N}}(N-398) = (N-402) + 359 + (N-398) = 2N-441$$

$$(N \ge 403)$$

$$B_{\bar{N}}(2N+2209) = B_{\bar{N}}(2N+2209 - B_{\bar{N}}(2N+2208)) + B_{\bar{N}}(2N+2209 - B_{\bar{N}}(2N+2207)) + B_{\bar{N}}(2N+2209 - B_{\bar{N}}(2N+2209))$$

$$= B_{\bar{N}}(2N+2209 - (2N-441)) + B_{\bar{N}}(2N+2209 - (N+2610)) + B_{\bar{N}}(2N+2209 - (2N+1849))$$

$$= B_{\bar{N}}(2650) + B_{\bar{N}}(N-401) + B_{\bar{N}}(360) = 2650 + (N-401) + 360 = N + 2609$$

$$(N \ge 2650)$$

$$B_{\bar{N}}(2N+2210) = B_{\bar{N}}(2N+2210-B_{\bar{N}}(2N+2209)) + B_{\bar{N}}(2N+2210-B_{\bar{N}}(2N+2208)) + B_{\bar{N}}(2N+2210-B_{\bar{N}}(2N+2207))$$

$$= B_{\bar{N}}(2N+2210-(N+2609)) + B_{\bar{N}}(2N+2210-(2N-441)) + B_{\bar{N}}(2N+2210-(N+2610))$$

$$= B_{\bar{N}}(N-399) + B_{\bar{N}}(2651) + B_{\bar{N}}(N-400) = (N-399) + 2651 + (N-400) = 2N+1852$$

$$(N \ge 2651)$$

$$B_{\bar{N}}(2N+2211) = B_{\bar{N}}(2N+2211-B_{\bar{N}}(2N+2210)) + B_{\bar{N}}(2N+2211-B_{\bar{N}}(2N+2209)) + B_{\bar{N}}(2N+2211-B_{\bar{N}}(2N+2208))$$

$$= B_{\bar{N}}(2N+2211-(2N+1852)) + B_{\bar{N}}(2N+2211-(N+2609)) + B_{\bar{N}}(2N+2211-(2N-441))$$

$$= B_{\bar{N}}(359) + B_{\bar{N}}(N-398) + B_{\bar{N}}(2652) = 359 + (N-398) + 2652 = N + 2613$$

$$(N \ge 2652)$$

$$B_{\bar{N}}(2N+2212) = B_{\bar{N}}(2N+2212-B_{\bar{N}}(2N+2211)) + B_{\bar{N}}(2N+2212-B_{\bar{N}}(2N+2210)) + B_{\bar{N}}(2N+2212-B_{\bar{N}}(2N+2209))$$

$$= B_{\bar{N}}(2N+2212-(N+2613)) + B_{\bar{N}}(2N+2212-(2N+1852)) + B_{\bar{N}}(2N+2212-(N+2609))$$

$$= B_{\bar{N}}(N-401) + B_{\bar{N}}(360) + B_{\bar{N}}(N-397) = (N-401) + 360 + (N-397) = 2N-438$$

$$(N \ge 402)$$

$$B_{\bar{N}}(2N+2213) = B_{\bar{N}}(2N+2213-B_{\bar{N}}(2N+2212)) + B_{\bar{N}}(2N+2213-B_{\bar{N}}(2N+2211)) + B_{\bar{N}}(2N+2213-B_{\bar{N}}(2N+2210))$$

$$= B_{\bar{N}}(2N+2213-(2N-438)) + B_{\bar{N}}(2N+2213-(N+2613)) + B_{\bar{N}}(2N+2213-(2N+1852))$$

$$= B_{\bar{N}}(2651) + B_{\bar{N}}(N-400) + B_{\bar{N}}(361) = 2651 + (N-400) + 361 = N + 2612$$

$$(N \ge 2651)$$

$$B_{\bar{N}}(2N+2214) = B_{\bar{N}}(2N+2214-B_{\bar{N}}(2N+2213)) + B_{\bar{N}}(2N+2214-B_{\bar{N}}(2N+2212)) + B_{\bar{N}}(2N+2214-B_{\bar{N}}(2N+2211))$$

$$= B_{\bar{N}}(2N+2214-(N+2612)) + B_{\bar{N}}(2N+2214-(2N-438)) + B_{\bar{N}}(2N+2214-(N+2613))$$

$$= B_{\bar{N}}(N-398) + B_{\bar{N}}(2652) + B_{\bar{N}}(N-399) = (N-398) + 2652 + (N-399) = 2N + 1855$$

$$(N \ge 2652)$$

$$B_{\bar{N}}(2N+2215) = B_{\bar{N}}(2N+2215-B_{\bar{N}}(2N+2214)) + B_{\bar{N}}(2N+2215-B_{\bar{N}}(2N+2213)) + B_{\bar{N}}(2N+2215-B_{\bar{N}}(2N+2212))$$

$$= B_{\bar{N}}(2N+2215-(2N+1855)) + B_{\bar{N}}(2N+2215-(N+2612)) + B_{\bar{N}}(2N+2215-(2N-438))$$

$$= B_{\bar{N}}(360) + B_{\bar{N}}(N-397) + B_{\bar{N}}(2653) = 360 + (N-397) + 2653 = N + 2616$$

$$(N \ge 2653)$$

$$B_{\bar{N}}(2N+2216) = B_{\bar{N}}(2N+2216-B_{\bar{N}}(2N+2215)) + B_{\bar{N}}(2N+2216-B_{\bar{N}}(2N+2214)) + B_{\bar{N}}(2N+2216-B_{\bar{N}}(2N+2213))$$

$$= B_{\bar{N}}(2N+2216-(N+2616)) + B_{\bar{N}}(2N+2216-(2N+1855)) + B_{\bar{N}}(2N+2216-(N+2612))$$

$$= B_{\bar{N}}(N-400) + B_{\bar{N}}(361) + B_{\bar{N}}(N-396) = (N-400) + 361 + (N-396) = 2N-435$$

$$(N \ge 401)$$

$$B_{\bar{N}}(2N+2217) = B_{\bar{N}}(2N+2217-B_{\bar{N}}(2N+2216)) + B_{\bar{N}}(2N+2217-B_{\bar{N}}(2N+2215)) + B_{\bar{N}}(2N+2217-B_{\bar{N}}(2N+2214))$$

$$= B_{\bar{N}}(2N+2217-(2N-435)) + B_{\bar{N}}(2N+2217-(N+2616)) + B_{\bar{N}}(2N+2217-(2N+1855))$$

$$= B_{\bar{N}}(2652) + B_{\bar{N}}(N-399) + B_{\bar{N}}(362) = 2652 + (N-399) + 362 = N + 2615$$

$$(N \ge 2652)$$

$$B_{\bar{N}}(2N+2218) = B_{\bar{N}}(2N+2218-B_{\bar{N}}(2N+2217)) + B_{\bar{N}}(2N+2218-B_{\bar{N}}(2N+2216)) + B_{\bar{N}}(2N+2218-B_{\bar{N}}(2N+2215))$$

$$= B_{\bar{N}}(2N+2218-(N+2615)) + B_{\bar{N}}(2N+2218-(2N-435)) + B_{\bar{N}}(2N+2218-(N+2616))$$

$$= B_{\bar{N}}(N-397) + B_{\bar{N}}(2653) + B_{\bar{N}}(N-398) = (N-397) + 2653 + (N-398) = 2N + 1858$$

$$(N \ge 2653)$$

$$B_{\bar{N}}(2N+2219) = B_{\bar{N}}(2N+2219 - B_{\bar{N}}(2N+2218)) + B_{\bar{N}}(2N+2219 - B_{\bar{N}}(2N+2217)) + B_{\bar{N}}(2N+2219 - B_{\bar{N}}(2N+2216))$$

$$= B_{\bar{N}}(2N+2219 - (2N+1858)) + B_{\bar{N}}(2N+2219 - (N+2615)) + B_{\bar{N}}(2N+2219 - (2N-435))$$

$$= B_{\bar{N}}(361) + B_{\bar{N}}(N-396) + B_{\bar{N}}(2654) = 361 + (N-396) + 2654 = N + 2619$$

$$(N \ge 2654)$$

$$B_{\bar{N}}(2N+2220) = B_{\bar{N}}(2N+2220 - B_{\bar{N}}(2N+2219)) + B_{\bar{N}}(2N+2220 - B_{\bar{N}}(2N+2218)) + B_{\bar{N}}(2N+2220 - B_{\bar{N}}(2N+2217))$$

$$= B_{\bar{N}}(2N+2220 - (N+2619)) + B_{\bar{N}}(2N+2220 - (2N+1858)) + B_{\bar{N}}(2N+2220 - (N+2615))$$

$$= B_{\bar{N}}(N-399) + B_{\bar{N}}(362) + B_{\bar{N}}(N-395) = (N-399) + 362 + (N-395) = 2N-432$$

$$(N \ge 400)$$

$$\begin{split} B_{\bar{N}}(2N+2221) &= B_{\bar{N}}(2N+2221-B_{\bar{N}}(2N+2220)) + B_{\bar{N}}(2N+2221-B_{\bar{N}}(2N+2219)) + B_{\bar{N}}(2N+2221-B_{\bar{N}}(2N+2218)) \\ &= B_{\bar{N}}(2N+2221-(2N-432)) + B_{\bar{N}}(2N+2221-(N+2619)) + B_{\bar{N}}(2N+2221-(2N+1858)) \\ &= B_{\bar{N}}(2653) + B_{\bar{N}}(N-398) + B_{\bar{N}}(363) = 2653 + (N-398) + 363 = N + 2618 \\ &(N > 2653) \end{split}$$

$$B_{\bar{N}}(2N+2222) = B_{\bar{N}}(2N+2222-B_{\bar{N}}(2N+2221)) + B_{\bar{N}}(2N+2222-B_{\bar{N}}(2N+2220)) + B_{\bar{N}}(2N+2222-B_{\bar{N}}(2N+2219))$$

$$= B_{\bar{N}}(2N+2222-(N+2618)) + B_{\bar{N}}(2N+2222-(2N-432)) + B_{\bar{N}}(2N+2222-(N+2619))$$

$$= B_{\bar{N}}(N-396) + B_{\bar{N}}(2654) + B_{\bar{N}}(N-397) = (N-396) + 2654 + (N-397) = 2N + 1861$$

$$(N \ge 2654)$$

$$B_{\bar{N}}(2N+2223) = B_{\bar{N}}(2N+2223-B_{\bar{N}}(2N+2222)) + B_{\bar{N}}(2N+2223-B_{\bar{N}}(2N+2221)) + B_{\bar{N}}(2N+2223-B_{\bar{N}}(2N+2223))$$

$$= B_{\bar{N}}(2N+2223-(2N+1861)) + B_{\bar{N}}(2N+2223-(N+2618)) + B_{\bar{N}}(2N+2223-(2N-432))$$

$$= B_{\bar{N}}(362) + B_{\bar{N}}(N-395) + B_{\bar{N}}(2655) = 362 + (N-395) + 2655 = N + 2622$$

$$(N \ge 2655)$$

$$B_{\bar{N}}(2N+2224) = B_{\bar{N}}(2N+2224-B_{\bar{N}}(2N+2223)) + B_{\bar{N}}(2N+2224-B_{\bar{N}}(2N+2222)) + B_{\bar{N}}(2N+2224-B_{\bar{N}}(2N+2224))$$

$$= B_{\bar{N}}(2N+2224-(N+2622)) + B_{\bar{N}}(2N+2224-(2N+1861)) + B_{\bar{N}}(2N+2224-(N+2618))$$

$$= B_{\bar{N}}(N-398) + B_{\bar{N}}(363) + B_{\bar{N}}(N-394) = (N-398) + 363 + (N-394) = 2N-429$$

$$(N \ge 399)$$

$$B_{\bar{N}}(2N+2225) = B_{\bar{N}}(2N+2225-B_{\bar{N}}(2N+2224)) + B_{\bar{N}}(2N+2225-B_{\bar{N}}(2N+2223)) + B_{\bar{N}}(2N+2225-B_{\bar{N}}(2N+2222))$$

$$= B_{\bar{N}}(2N+2225-(2N-429)) + B_{\bar{N}}(2N+2225-(N+2622)) + B_{\bar{N}}(2N+2225-(2N+1861))$$

$$= B_{\bar{N}}(2654) + B_{\bar{N}}(N-397) + B_{\bar{N}}(364) = 2654 + (N-397) + 364 = N + 2621$$

$$(N \ge 2654)$$

$$B_{\bar{N}}(2N+2226) = B_{\bar{N}}(2N+2226-B_{\bar{N}}(2N+2225)) + B_{\bar{N}}(2N+2226-B_{\bar{N}}(2N+2224)) + B_{\bar{N}}(2N+2226-B_{\bar{N}}(2N+2223))$$

$$= B_{\bar{N}}(2N+2226-(N+2621)) + B_{\bar{N}}(2N+2226-(2N-429)) + B_{\bar{N}}(2N+2226-(N+2622))$$

$$= B_{\bar{N}}(N-395) + B_{\bar{N}}(2655) + B_{\bar{N}}(N-396) = (N-395) + 2655 + (N-396) = 2N + 1864$$

$$(N \ge 2655)$$

$$B_{\bar{N}}(2N+2227) = B_{\bar{N}}(2N+2227 - B_{\bar{N}}(2N+2226)) + B_{\bar{N}}(2N+2227 - B_{\bar{N}}(2N+2225)) + B_{\bar{N}}(2N+2227 - B_{\bar{N}}(2N+2224))$$

$$= B_{\bar{N}}(2N+2227 - (2N+1864)) + B_{\bar{N}}(2N+2227 - (N+2621)) + B_{\bar{N}}(2N+2227 - (2N-429))$$

$$= B_{\bar{N}}(363) + B_{\bar{N}}(N-394) + B_{\bar{N}}(2656) = 363 + (N-394) + 2656 = N + 2625$$

$$(N > 2656)$$

$$B_{\bar{N}}(2N+2228) = B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2227)) + B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2226)) + B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2N+2228-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2229) = B_{\bar{N}}(2N+2229 - B_{\bar{N}}(2N+2228)) + B_{\bar{N}}(2N+2229 - B_{\bar{N}}(2N+2227)) + B_{\bar{N}}(2N+2229 - B_{\bar{N}}(2N+229 - B$$

$$B_{\bar{N}}(2N+2230) = B_{\bar{N}}(2N+2230 - B_{\bar{N}}(2N+2229)) + B_{\bar{N}}(2N+2230 - B_{\bar{N}}(2N+2228)) + B_{\bar{N}}(2N+2230 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2231) = B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2230)) + B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+2231-B_{\bar{N}}(2N+22$$

$$B_{\bar{N}}(2N+2232) = B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2231)) + B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2230)) + B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2N+2232-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2233) = B_{\bar{N}}(2N+2233-B_{\bar{N}}(2N+2232)) + B_{\bar{N}}(2N+2233-B_{\bar{N}}(2N+2231)) + B_{\bar{N}}(2N+2233-B_{\bar{N}}(2N+2230))$$

$$= B_{\bar{N}}(2N+2233-(2N-423)) + B_{\bar{N}}(2N+2233-(N+2628)) + B_{\bar{N}}(2N+2233-(2N+1867))$$

$$= B_{\bar{N}}(2656) + B_{\bar{N}}(N-395) + B_{\bar{N}}(366) = 2656 + (N-395) + 366 = N + 2627$$

$$(N \ge 2656)$$

$$B_{\bar{N}}(2N+2234) = B_{\bar{N}}(2N+2234-B_{\bar{N}}(2N+2233)) + B_{\bar{N}}(2N+2234-B_{\bar{N}}(2N+2232)) + B_{\bar{N}}(2N+2234-B_{\bar{N}}(2N+2231))$$

$$= B_{\bar{N}}(2N+2234-(N+2627)) + B_{\bar{N}}(2N+2234-(2N-423)) + B_{\bar{N}}(2N+2234-(N+2628))$$

$$= B_{\bar{N}}(N-393) + B_{\bar{N}}(2657) + B_{\bar{N}}(N-394) = (N-393) + 2657 + (N-394) = 2N + 1870$$

$$(N \ge 2657)$$

$$B_{\bar{N}}(2N+2235) = B_{\bar{N}}(2N+2235-B_{\bar{N}}(2N+2234)) + B_{\bar{N}}(2N+2235-B_{\bar{N}}(2N+2233)) + B_{\bar{N}}(2N+2235-B_{\bar{N}}(2N+2232))$$

$$= B_{\bar{N}}(2N+2235-(2N+1870)) + B_{\bar{N}}(2N+2235-(N+2627)) + B_{\bar{N}}(2N+2235-(2N-423))$$

$$= B_{\bar{N}}(365) + B_{\bar{N}}(N-392) + B_{\bar{N}}(2658) = 365 + (N-392) + 2658 = N + 2631$$

$$(N \ge 2658)$$

$$B_{\bar{N}}(2N+2236) = B_{\bar{N}}(2N+2236-B_{\bar{N}}(2N+2235)) + B_{\bar{N}}(2N+2236-B_{\bar{N}}(2N+2234)) + B_{\bar{N}}(2N+2236-B_{\bar{N}}(2N+2236))$$

$$= B_{\bar{N}}(2N+2236-(N+2631)) + B_{\bar{N}}(2N+2236-(2N+1870)) + B_{\bar{N}}(2N+2236-(N+2627))$$

$$= B_{\bar{N}}(N-395) + B_{\bar{N}}(366) + B_{\bar{N}}(N-391) = (N-395) + 366 + (N-391) = 2N-420$$

$$(N \ge 396)$$

$$B_{\bar{N}}(2N+2237) = B_{\bar{N}}(2N+2237 - B_{\bar{N}}(2N+2236)) + B_{\bar{N}}(2N+2237 - B_{\bar{N}}(2N+2235)) + B_{\bar{N}}(2N+2237 - B_{\bar{N}}(2N+2234))$$

$$= B_{\bar{N}}(2N+2237 - (2N-420)) + B_{\bar{N}}(2N+2237 - (N+2631)) + B_{\bar{N}}(2N+2237 - (2N+1870))$$

$$= B_{\bar{N}}(2657) + B_{\bar{N}}(N-394) + B_{\bar{N}}(367) = 2657 + (N-394) + 367 = N + 2630$$

$$(N \ge 2657)$$

$$B_{\bar{N}}(2N+2238) = B_{\bar{N}}(2N+2238-B_{\bar{N}}(2N+2237)) + B_{\bar{N}}(2N+2238-B_{\bar{N}}(2N+2236)) + B_{\bar{N}}(2N+2238-B_{\bar{N}}(2N+2235))$$

$$= B_{\bar{N}}(2N+2238-(N+2630)) + B_{\bar{N}}(2N+2238-(2N-420)) + B_{\bar{N}}(2N+2238-(N+2631))$$

$$= B_{\bar{N}}(N-392) + B_{\bar{N}}(2658) + B_{\bar{N}}(N-393) = (N-392) + 2658 + (N-393) = 2N+1873$$

$$(N \ge 2658)$$

$$B_{\bar{N}}(2N+2239) = B_{\bar{N}}(2N+2239 - B_{\bar{N}}(2N+2238)) + B_{\bar{N}}(2N+2239 - B_{\bar{N}}(2N+2237)) + B_{\bar{N}}(2N+2239 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2240) = B_{\bar{N}}(2N+2240 - B_{\bar{N}}(2N+2239)) + B_{\bar{N}}(2N+2240 - B_{\bar{N}}(2N+2238)) + B_{\bar{N}}(2N+2240 - B_{\bar{N}}(2N+2237))$$

$$= B_{\bar{N}}(2N+2240 - (N+2634)) + B_{\bar{N}}(2N+2240 - (2N+1873)) + B_{\bar{N}}(2N+2240 - (N+2630))$$

$$= B_{\bar{N}}(N-394) + B_{\bar{N}}(367) + B_{\bar{N}}(N-390) = (N-394) + 367 + (N-390) = 2N-417$$

$$(N \ge 395)$$

$$B_{\bar{N}}(2N+2241) = B_{\bar{N}}(2N+2241-B_{\bar{N}}(2N+2240)) + B_{\bar{N}}(2N+2241-B_{\bar{N}}(2N+2239)) + B_{\bar{N}}(2N+2241-B_{\bar{N}}(2N+2238))$$

$$= B_{\bar{N}}(2N+2241-(2N-417)) + B_{\bar{N}}(2N+2241-(N+2634)) + B_{\bar{N}}(2N+2241-(2N+1873))$$

$$= B_{\bar{N}}(2658) + B_{\bar{N}}(N-393) + B_{\bar{N}}(368) = 2658 + (N-393) + 368 = N + 2633$$

$$(N \ge 2658)$$

$$B_{\bar{N}}(2N+2242) = B_{\bar{N}}(2N+2242-B_{\bar{N}}(2N+2241)) + B_{\bar{N}}(2N+2242-B_{\bar{N}}(2N+2240)) + B_{\bar{N}}(2N+2242-B_{\bar{N}}(2N+2239))$$

$$= B_{\bar{N}}(2N+2242-(N+2633)) + B_{\bar{N}}(2N+2242-(2N-417)) + B_{\bar{N}}(2N+2242-(N+2634))$$

$$= B_{\bar{N}}(N-391) + B_{\bar{N}}(2659) + B_{\bar{N}}(N-392) = (N-391) + 2659 + (N-392) = 2N+1876$$

$$(N \ge 2659)$$

$$B_{\bar{N}}(2N+2243) = B_{\bar{N}}(2N+2243-B_{\bar{N}}(2N+2242)) + B_{\bar{N}}(2N+2243-B_{\bar{N}}(2N+2241)) + B_{\bar{N}}(2N+2243-B_{\bar{N}}(2N+2240))$$

$$= B_{\bar{N}}(2N+2243-(2N+1876)) + B_{\bar{N}}(2N+2243-(N+2633)) + B_{\bar{N}}(2N+2243-(2N-417))$$

$$= B_{\bar{N}}(367) + B_{\bar{N}}(N-390) + B_{\bar{N}}(2660) = 367 + (N-390) + 2660 = N + 2637$$

$$(N \ge 2660)$$

$$B_{\bar{N}}(2N+2244) = B_{\bar{N}}(2N+2244-B_{\bar{N}}(2N+2243)) + B_{\bar{N}}(2N+2244-B_{\bar{N}}(2N+2242)) + B_{\bar{N}}(2N+2244-B_{\bar{N}}(2N+2241))$$

$$= B_{\bar{N}}(2N+2244-(N+2637)) + B_{\bar{N}}(2N+2244-(2N+1876)) + B_{\bar{N}}(2N+2244-(N+2633))$$

$$= B_{\bar{N}}(N-393) + B_{\bar{N}}(368) + B_{\bar{N}}(N-389) = (N-393) + 368 + (N-389) = 2N-414$$

$$(N \ge 394)$$

$$B_{\bar{N}}(2N+2245) = B_{\bar{N}}(2N+2245-B_{\bar{N}}(2N+2244)) + B_{\bar{N}}(2N+2245-B_{\bar{N}}(2N+2243)) + B_{\bar{N}}(2N+2245-B_{\bar{N}}(2N+2245))$$

$$= B_{\bar{N}}(2N+2245-(2N-414)) + B_{\bar{N}}(2N+2245-(N+2637)) + B_{\bar{N}}(2N+2245-(2N+1876))$$

$$= B_{\bar{N}}(2659) + B_{\bar{N}}(N-392) + B_{\bar{N}}(369) = 2659 + (N-392) + 369 = N + 2636$$

$$(N \ge 2659)$$

$$B_{\bar{N}}(2N+2246) = B_{\bar{N}}(2N+2246-B_{\bar{N}}(2N+2245)) + B_{\bar{N}}(2N+2246-B_{\bar{N}}(2N+2244)) + B_{\bar{N}}(2N+2246-B_{\bar{N}}(2N+2246))$$

$$= B_{\bar{N}}(2N+2246-(N+2636)) + B_{\bar{N}}(2N+2246-(2N-414)) + B_{\bar{N}}(2N+2246-(N+2637))$$

$$= B_{\bar{N}}(N-390) + B_{\bar{N}}(2660) + B_{\bar{N}}(N-391) = (N-390) + 2660 + (N-391) = 2N + 1879$$

$$(N > 2660)$$

$$B_{\bar{N}}(2N+2247) = B_{\bar{N}}(2N+2247 - B_{\bar{N}}(2N+2246)) + B_{\bar{N}}(2N+2247 - B_{\bar{N}}(2N+2245)) + B_{\bar{N}}(2N+2247 - B_{\bar{N}}(2N+2247))$$

$$= B_{\bar{N}}(2N+2247 - (2N+1879)) + B_{\bar{N}}(2N+2247 - (N+2636)) + B_{\bar{N}}(2N+2247 - (2N-414))$$

$$= B_{\bar{N}}(368) + B_{\bar{N}}(N-389) + B_{\bar{N}}(2661) = 368 + (N-389) + 2661 = N + 2640$$

$$(N > 2661)$$

$$B_{\bar{N}}(2N+2248) = B_{\bar{N}}(2N+2248-B_{\bar{N}}(2N+2247)) + B_{\bar{N}}(2N+2248-B_{\bar{N}}(2N+2246)) + B_{\bar{N}}(2N+2248-B_{\bar{N}}(2N+2245))$$

$$= B_{\bar{N}}(2N+2248-(N+2640)) + B_{\bar{N}}(2N+2248-(2N+1879)) + B_{\bar{N}}(2N+2248-(N+2636))$$

$$= B_{\bar{N}}(N-392) + B_{\bar{N}}(369) + B_{\bar{N}}(N-388) = (N-392) + 369 + (N-388) = 2N-411$$

$$(N \ge 393)$$

$$B_{\bar{N}}(2N+2249) = B_{\bar{N}}(2N+2249 - B_{\bar{N}}(2N+2248)) + B_{\bar{N}}(2N+2249 - B_{\bar{N}}(2N+2247)) + B_{\bar{N}}(2N+2249 - B_{\bar{N}}(2N+2249))$$

$$= B_{\bar{N}}(2N+2249 - (2N-411)) + B_{\bar{N}}(2N+2249 - (N+2640)) + B_{\bar{N}}(2N+2249 - (2N+1879))$$

$$= B_{\bar{N}}(2660) + B_{\bar{N}}(N-391) + B_{\bar{N}}(370) = 2660 + (N-391) + 370 = N + 2639$$

$$(N \ge 2660)$$

$$B_{\bar{N}}(2N+2250) = B_{\bar{N}}(2N+2250 - B_{\bar{N}}(2N+2249)) + B_{\bar{N}}(2N+2250 - B_{\bar{N}}(2N+2248)) + B_{\bar{N}}(2N+2250 - B_{\bar{N}}(2N+2247))$$

$$= B_{\bar{N}}(2N+2250 - (N+2639)) + B_{\bar{N}}(2N+2250 - (2N-411)) + B_{\bar{N}}(2N+2250 - (N+2640))$$

$$= B_{\bar{N}}(N-389) + B_{\bar{N}}(2661) + B_{\bar{N}}(N-390) = (N-389) + 2661 + (N-390) = 2N + 1882$$

$$(N \ge 2661)$$

$$B_{\bar{N}}(2N+2251) = B_{\bar{N}}(2N+2251-B_{\bar{N}}(2N+2250)) + B_{\bar{N}}(2N+2251-B_{\bar{N}}(2N+2249)) + B_{\bar{N}}(2N+2251-B_{\bar{N}}(2N+2248))$$

$$= B_{\bar{N}}(2N+2251-(2N+1882)) + B_{\bar{N}}(2N+2251-(N+2639)) + B_{\bar{N}}(2N+2251-(2N-411))$$

$$= B_{\bar{N}}(369) + B_{\bar{N}}(N-388) + B_{\bar{N}}(2662) = 369 + (N-388) + 2662 = N + 2643$$

$$(N \ge 2662)$$

$$B_{\bar{N}}(2N+2252) = B_{\bar{N}}(2N+2252-B_{\bar{N}}(2N+2251)) + B_{\bar{N}}(2N+2252-B_{\bar{N}}(2N+2250)) + B_{\bar{N}}(2N+2252-B_{\bar{N}}(2N+2249))$$

$$= B_{\bar{N}}(2N+2252-(N+2643)) + B_{\bar{N}}(2N+2252-(2N+1882)) + B_{\bar{N}}(2N+2252-(N+2639))$$

$$= B_{\bar{N}}(N-391) + B_{\bar{N}}(370) + B_{\bar{N}}(N-387) = (N-391) + 370 + (N-387) = 2N-408$$

$$(N \ge 392)$$

$$B_{\bar{N}}(2N+2253) = B_{\bar{N}}(2N+2253-B_{\bar{N}}(2N+2252)) + B_{\bar{N}}(2N+2253-B_{\bar{N}}(2N+2251)) + B_{\bar{N}}(2N+2253-B_{\bar{N}}(2N+2250))$$

$$= B_{\bar{N}}(2N+2253-(2N-408)) + B_{\bar{N}}(2N+2253-(N+2643)) + B_{\bar{N}}(2N+2253-(2N+1882))$$

$$= B_{\bar{N}}(2661) + B_{\bar{N}}(N-390) + B_{\bar{N}}(371) = 2661 + (N-390) + 371 = N + 2642$$

$$(N \ge 2661)$$

$$B_{\bar{N}}(2N+2254) = B_{\bar{N}}(2N+2254-B_{\bar{N}}(2N+2253)) + B_{\bar{N}}(2N+2254-B_{\bar{N}}(2N+2252)) + B_{\bar{N}}(2N+2254-B_{\bar{N}}(2N+2251))$$

$$= B_{\bar{N}}(2N+2254-(N+2642)) + B_{\bar{N}}(2N+2254-(2N-408)) + B_{\bar{N}}(2N+2254-(N+2643))$$

$$= B_{\bar{N}}(N-388) + B_{\bar{N}}(2662) + B_{\bar{N}}(N-389) = (N-388) + 2662 + (N-389) = 2N + 1885$$

$$(N \ge 2662)$$

$$B_{\bar{N}}(2N+2255) = B_{\bar{N}}(2N+2255-B_{\bar{N}}(2N+2254)) + B_{\bar{N}}(2N+2255-B_{\bar{N}}(2N+2253)) + B_{\bar{N}}(2N+2255-B_{\bar{N}}(2N+2252))$$

$$= B_{\bar{N}}(2N+2255-(2N+1885)) + B_{\bar{N}}(2N+2255-(N+2642)) + B_{\bar{N}}(2N+2255-(2N-408))$$

$$= B_{\bar{N}}(370) + B_{\bar{N}}(N-387) + B_{\bar{N}}(2663) = 370 + (N-387) + 2663 = N + 2646$$

$$(N \ge 2663)$$

$$B_{\bar{N}}(2N+2256) = B_{\bar{N}}(2N+2256-B_{\bar{N}}(2N+2255)) + B_{\bar{N}}(2N+2256-B_{\bar{N}}(2N+2254)) + B_{\bar{N}}(2N+2256-B_{\bar{N}}(2N+2253))$$

$$= B_{\bar{N}}(2N+2256-(N+2646)) + B_{\bar{N}}(2N+2256-(2N+1885)) + B_{\bar{N}}(2N+2256-(N+2642))$$

$$= B_{\bar{N}}(N-390) + B_{\bar{N}}(371) + B_{\bar{N}}(N-386) = (N-390) + 371 + (N-386) = 2N-405$$

$$(N \ge 391)$$

$$B_{\bar{N}}(2N+2257) = B_{\bar{N}}(2N+2257 - B_{\bar{N}}(2N+2256)) + B_{\bar{N}}(2N+2257 - B_{\bar{N}}(2N+2257)) + B_{\bar{N}}(2N+2257 - B_{\bar{N}}(2N+2254))$$

$$= B_{\bar{N}}(2N+2257 - (2N-405)) + B_{\bar{N}}(2N+2257 - (N+2646)) + B_{\bar{N}}(2N+2257 - (2N+1885))$$

$$= B_{\bar{N}}(2662) + B_{\bar{N}}(N-389) + B_{\bar{N}}(372) = 2662 + (N-389) + 372 = N + 2645$$

$$(N > 2662)$$

$$B_{\bar{N}}(2N+2258) = B_{\bar{N}}(2N+2258-B_{\bar{N}}(2N+2257)) + B_{\bar{N}}(2N+2258-B_{\bar{N}}(2N+2256)) + B_{\bar{N}}(2N+2258-B_{\bar{N}}(2N+2255))$$

$$= B_{\bar{N}}(2N+2258-(N+2645)) + B_{\bar{N}}(2N+2258-(2N-405)) + B_{\bar{N}}(2N+2258-(N+2646))$$

$$= B_{\bar{N}}(N-387) + B_{\bar{N}}(2663) + B_{\bar{N}}(N-388) = (N-387) + 2663 + (N-388) = 2N + 1888$$

$$(N \ge 2663)$$

$$B_{\bar{N}}(2N+2259) = B_{\bar{N}}(2N+2259 - B_{\bar{N}}(2N+2258)) + B_{\bar{N}}(2N+2259 - B_{\bar{N}}(2N+2257)) + B_{\bar{N}}(2N+2259 - B_{\bar{N}}(2N+2259))$$

$$= B_{\bar{N}}(2N+2259 - (2N+1888)) + B_{\bar{N}}(2N+2259 - (N+2645)) + B_{\bar{N}}(2N+2259 - (2N-405))$$

$$= B_{\bar{N}}(371) + B_{\bar{N}}(N-386) + B_{\bar{N}}(2664) = 371 + (N-386) + 2664 = N + 2649$$

$$(N \ge 2664)$$

$$B_{\bar{N}}(2N+2260) = B_{\bar{N}}(2N+2260-B_{\bar{N}}(2N+2259)) + B_{\bar{N}}(2N+2260-B_{\bar{N}}(2N+2258)) + B_{\bar{N}}(2N+2260-B_{\bar{N}}(2N+2257))$$

$$= B_{\bar{N}}(2N+2260-(N+2649)) + B_{\bar{N}}(2N+2260-(2N+1888)) + B_{\bar{N}}(2N+2260-(N+2645))$$

$$= B_{\bar{N}}(N-389) + B_{\bar{N}}(372) + B_{\bar{N}}(N-385) = (N-389) + 372 + (N-385) = 2N-402$$

$$(N \ge 390)$$

$$B_{\bar{N}}(2N+2261) = B_{\bar{N}}(2N+2261 - B_{\bar{N}}(2N+2260)) + B_{\bar{N}}(2N+2261 - B_{\bar{N}}(2N+2259)) + B_{\bar{N}}(2N+2261 - B_{\bar{N}}(2N+2258))$$

$$= B_{\bar{N}}(2N+2261 - (2N-402)) + B_{\bar{N}}(2N+2261 - (N+2649)) + B_{\bar{N}}(2N+2261 - (2N+1888))$$

$$= B_{\bar{N}}(2663) + B_{\bar{N}}(N-388) + B_{\bar{N}}(373) = 2663 + (N-388) + 373 = N + 2648$$

$$(N \ge 2663)$$

$$B_{\bar{N}}(2N+2262) = B_{\bar{N}}(2N+2262-B_{\bar{N}}(2N+2261)) + B_{\bar{N}}(2N+2262-B_{\bar{N}}(2N+2260)) + B_{\bar{N}}(2N+2262-B_{\bar{N}}(2N+2259))$$

$$= B_{\bar{N}}(2N+2262-(N+2648)) + B_{\bar{N}}(2N+2262-(2N-402)) + B_{\bar{N}}(2N+2262-(N+2649))$$

$$= B_{\bar{N}}(N-386) + B_{\bar{N}}(2664) + B_{\bar{N}}(N-387) = (N-386) + 2664 + (N-387) = 2N+1891$$

$$(N \ge 2664)$$

$$B_{\bar{N}}(2N+2263) = B_{\bar{N}}(2N+2263-B_{\bar{N}}(2N+2262)) + B_{\bar{N}}(2N+2263-B_{\bar{N}}(2N+2261)) + B_{\bar{N}}(2N+2263-B_{\bar{N}}(2N+2260))$$

$$= B_{\bar{N}}(2N+2263-(2N+1891)) + B_{\bar{N}}(2N+2263-(N+2648)) + B_{\bar{N}}(2N+2263-(2N-402))$$

$$= B_{\bar{N}}(372) + B_{\bar{N}}(N-385) + B_{\bar{N}}(2665) = 372 + (N-385) + 2665 = N + 2652$$

$$(N \ge 2665)$$

$$B_{\bar{N}}(2N+2264) = B_{\bar{N}}(2N+2264-B_{\bar{N}}(2N+2263)) + B_{\bar{N}}(2N+2264-B_{\bar{N}}(2N+2262)) + B_{\bar{N}}(2N+2264-B_{\bar{N}}(2N+2261))$$

$$= B_{\bar{N}}(2N+2264-(N+2652)) + B_{\bar{N}}(2N+2264-(2N+1891)) + B_{\bar{N}}(2N+2264-(N+2648))$$

$$= B_{\bar{N}}(N-388) + B_{\bar{N}}(373) + B_{\bar{N}}(N-384) = (N-388) + 373 + (N-384) = 2N-399$$

$$(N \ge 389)$$

$$B_{\bar{N}}(2N+2265) = B_{\bar{N}}(2N+2265-B_{\bar{N}}(2N+2264)) + B_{\bar{N}}(2N+2265-B_{\bar{N}}(2N+2263)) + B_{\bar{N}}(2N+2265-B_{\bar{N}}(2N+2262))$$

$$= B_{\bar{N}}(2N+2265-(2N-399)) + B_{\bar{N}}(2N+2265-(N+2652)) + B_{\bar{N}}(2N+2265-(2N+1891))$$

$$= B_{\bar{N}}(2664) + B_{\bar{N}}(N-387) + B_{\bar{N}}(374) = 2664 + (N-387) + 374 = N + 2651$$

$$(N \ge 2664)$$

$$B_{\bar{N}}(2N+2266) = B_{\bar{N}}(2N+2266-B_{\bar{N}}(2N+2265)) + B_{\bar{N}}(2N+2266-B_{\bar{N}}(2N+2264)) + B_{\bar{N}}(2N+2266-B_{\bar{N}}(2N+2263))$$

$$= B_{\bar{N}}(2N+2266-(N+2651)) + B_{\bar{N}}(2N+2266-(2N-399)) + B_{\bar{N}}(2N+2266-(N+2652))$$

$$= B_{\bar{N}}(N-385) + B_{\bar{N}}(2665) + B_{\bar{N}}(N-386) = (N-385) + 2665 + (N-386) = 2N+1894$$

$$(N \ge 2665)$$

$$B_{\bar{N}}(2N+2267) = B_{\bar{N}}(2N+2267 - B_{\bar{N}}(2N+2266)) + B_{\bar{N}}(2N+2267 - B_{\bar{N}}(2N+2265)) + B_{\bar{N}}(2N+2267 - B_{\bar{N}}(2N+2264))$$

$$= B_{\bar{N}}(2N+2267 - (2N+1894)) + B_{\bar{N}}(2N+2267 - (N+2651)) + B_{\bar{N}}(2N+2267 - (2N-399))$$

$$= B_{\bar{N}}(373) + B_{\bar{N}}(N-384) + B_{\bar{N}}(2666) = 373 + (N-384) + 2666 = N + 2655$$

$$(N > 2666)$$

$$B_{\bar{N}}(2N+2268) = B_{\bar{N}}(2N+2268-B_{\bar{N}}(2N+2267)) + B_{\bar{N}}(2N+2268-B_{\bar{N}}(2N+2266)) + B_{\bar{N}}(2N+2268-B_{\bar{N}}(2N+2265))$$

$$= B_{\bar{N}}(2N+2268-(N+2655)) + B_{\bar{N}}(2N+2268-(2N+1894)) + B_{\bar{N}}(2N+2268-(N+2651))$$

$$= B_{\bar{N}}(N-387) + B_{\bar{N}}(374) + B_{\bar{N}}(N-383) = (N-387) + 374 + (N-383) = 2N-396$$

$$(N \ge 388)$$

$$B_{\bar{N}}(2N+2269) = B_{\bar{N}}(2N+2269 - B_{\bar{N}}(2N+2268)) + B_{\bar{N}}(2N+2269 - B_{\bar{N}}(2N+2267)) + B_{\bar{N}}(2N+2269 - B_{\bar{N}}(2N+2269))$$

$$= B_{\bar{N}}(2N+2269 - (2N-396)) + B_{\bar{N}}(2N+2269 - (N+2655)) + B_{\bar{N}}(2N+2269 - (2N+1894))$$

$$= B_{\bar{N}}(2665) + B_{\bar{N}}(N-386) + B_{\bar{N}}(375) = 2665 + (N-386) + 375 = N + 2654$$

$$(N \ge 2665)$$

$$B_{\bar{N}}(2N+2270) = B_{\bar{N}}(2N+2270 - B_{\bar{N}}(2N+2269)) + B_{\bar{N}}(2N+2270 - B_{\bar{N}}(2N+2268)) + B_{\bar{N}}(2N+2270 - B_{\bar{N}}(2N+2267))$$

$$= B_{\bar{N}}(2N+2270 - (N+2654)) + B_{\bar{N}}(2N+2270 - (2N-396)) + B_{\bar{N}}(2N+2270 - (N+2655))$$

$$= B_{\bar{N}}(N-384) + B_{\bar{N}}(2666) + B_{\bar{N}}(N-385) = (N-384) + 2666 + (N-385) = 2N + 1897$$

$$(N \ge 2666)$$

$$B_{\bar{N}}(2N+2271) = B_{\bar{N}}(2N+2271 - B_{\bar{N}}(2N+2270)) + B_{\bar{N}}(2N+2271 - B_{\bar{N}}(2N+2269)) + B_{\bar{N}}(2N+2271 - B_{\bar{N}}(2N+2268))$$

$$= B_{\bar{N}}(2N+2271 - (2N+1897)) + B_{\bar{N}}(2N+2271 - (N+2654)) + B_{\bar{N}}(2N+2271 - (2N-396))$$

$$= B_{\bar{N}}(374) + B_{\bar{N}}(N-383) + B_{\bar{N}}(2667) = 374 + (N-383) + 2667 = N + 2658$$

$$(N \ge 2667)$$

$$B_{\bar{N}}(2N+2272) = B_{\bar{N}}(2N+2272-B_{\bar{N}}(2N+2271)) + B_{\bar{N}}(2N+2272-B_{\bar{N}}(2N+2270)) + B_{\bar{N}}(2N+2272-B_{\bar{N}}(2N+2269))$$

$$= B_{\bar{N}}(2N+2272-(N+2658)) + B_{\bar{N}}(2N+2272-(2N+1897)) + B_{\bar{N}}(2N+2272-(N+2654))$$

$$= B_{\bar{N}}(N-386) + B_{\bar{N}}(375) + B_{\bar{N}}(N-382) = (N-386) + 375 + (N-382) = 2N-393$$

$$(N \ge 387)$$

$$B_{\bar{N}}(2N+2273) = B_{\bar{N}}(2N+2273-B_{\bar{N}}(2N+2272)) + B_{\bar{N}}(2N+2273-B_{\bar{N}}(2N+2271)) + B_{\bar{N}}(2N+2273-B_{\bar{N}}(2N+2270))$$

$$= B_{\bar{N}}(2N+2273-(2N-393)) + B_{\bar{N}}(2N+2273-(N+2658)) + B_{\bar{N}}(2N+2273-(2N+1897))$$

$$= B_{\bar{N}}(2666) + B_{\bar{N}}(N-385) + B_{\bar{N}}(376) = 2666 + (N-385) + 376 = N + 2657$$

$$(N \ge 2666)$$

$$B_{\bar{N}}(2N+2274) = B_{\bar{N}}(2N+2274-B_{\bar{N}}(2N+2273)) + B_{\bar{N}}(2N+2274-B_{\bar{N}}(2N+2272)) + B_{\bar{N}}(2N+2274-B_{\bar{N}}(2N+2271))$$

$$= B_{\bar{N}}(2N+2274-(N+2657)) + B_{\bar{N}}(2N+2274-(2N-393)) + B_{\bar{N}}(2N+2274-(N+2658))$$

$$= B_{\bar{N}}(N-383) + B_{\bar{N}}(2667) + B_{\bar{N}}(N-384) = (N-383) + 2667 + (N-384) = 2N + 1900$$

$$(N \ge 2667)$$

$$B_{\bar{N}}(2N+2275) = B_{\bar{N}}(2N+2275-B_{\bar{N}}(2N+2274)) + B_{\bar{N}}(2N+2275-B_{\bar{N}}(2N+2273)) + B_{\bar{N}}(2N+2275-B_{\bar{N}}(2N+2272))$$

$$= B_{\bar{N}}(2N+2275-(2N+1900)) + B_{\bar{N}}(2N+2275-(N+2657)) + B_{\bar{N}}(2N+2275-(2N-393))$$

$$= B_{\bar{N}}(375) + B_{\bar{N}}(N-382) + B_{\bar{N}}(2668) = 375 + (N-382) + 2668 = N + 2661$$

$$(N \ge 2668)$$

$$B_{\bar{N}}(2N+2276) = B_{\bar{N}}(2N+2276 - B_{\bar{N}}(2N+2275)) + B_{\bar{N}}(2N+2276 - B_{\bar{N}}(2N+2274)) + B_{\bar{N}}(2N+2276 - B_{\bar{N}}(2N+2273))$$

$$= B_{\bar{N}}(2N+2276 - (N+2661)) + B_{\bar{N}}(2N+2276 - (2N+1900)) + B_{\bar{N}}(2N+2276 - (N+2657))$$

$$= B_{\bar{N}}(N-385) + B_{\bar{N}}(376) + B_{\bar{N}}(N-381) = (N-385) + 376 + (N-381) = 2N-390$$

$$(N \ge 386)$$

$$B_{\bar{N}}(2N+2277) = B_{\bar{N}}(2N+2277 - B_{\bar{N}}(2N+2276)) + B_{\bar{N}}(2N+2277 - B_{\bar{N}}(2N+2275)) + B_{\bar{N}}(2N+2277 - B_{\bar{N}}(2N+2274))$$

$$= B_{\bar{N}}(2N+2277 - (2N-390)) + B_{\bar{N}}(2N+2277 - (N+2661)) + B_{\bar{N}}(2N+2277 - (2N+1900))$$

$$= B_{\bar{N}}(2667) + B_{\bar{N}}(N-384) + B_{\bar{N}}(377) = 2667 + (N-384) + 377 = N + 2660$$

$$(N > 2667)$$

$$B_{\bar{N}}(2N+2278) = B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2277)) + B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2276)) + B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2N+2278-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2279) = B_{\bar{N}}(2N+2279 - B_{\bar{N}}(2N+2278)) + B_{\bar{N}}(2N+2279 - B_{\bar{N}}(2N+2277)) + B_{\bar{N}}(2N+2279 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2280) = B_{\bar{N}}(2N+2280 - B_{\bar{N}}(2N+2279)) + B_{\bar{N}}(2N+2280 - B_{\bar{N}}(2N+2278)) + B_{\bar{N}}(2N+2280 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2281) = B_{\bar{N}}(2N+2281-B_{\bar{N}}(2N+2280)) + B_{\bar{N}}(2N+2281-B_{\bar{N}}(2N+2279)) + B_{\bar{N}}(2N+2281-B_{\bar{N}}(2N+2278))$$

$$= B_{\bar{N}}(2N+2281-(2N-387)) + B_{\bar{N}}(2N+2281-(N+2664)) + B_{\bar{N}}(2N+2281-(2N+1903))$$

$$= B_{\bar{N}}(2668) + B_{\bar{N}}(N-383) + B_{\bar{N}}(378) = 2668 + (N-383) + 378 = N + 2663$$

$$(N \ge 2668)$$

$$B_{\bar{N}}(2N+2282) = B_{\bar{N}}(2N+2282-B_{\bar{N}}(2N+2281)) + B_{\bar{N}}(2N+2282-B_{\bar{N}}(2N+2280)) + B_{\bar{N}}(2N+2282-B_{\bar{N}}(2N+2279))$$

$$= B_{\bar{N}}(2N+2282-(N+2663)) + B_{\bar{N}}(2N+2282-(2N-387)) + B_{\bar{N}}(2N+2282-(N+2664))$$

$$= B_{\bar{N}}(N-381) + B_{\bar{N}}(2669) + B_{\bar{N}}(N-382) = (N-381) + 2669 + (N-382) = 2N + 1906$$

$$(N \ge 2669)$$

$$B_{\bar{N}}(2N+2283) = B_{\bar{N}}(2N+2283-B_{\bar{N}}(2N+2282)) + B_{\bar{N}}(2N+2283-B_{\bar{N}}(2N+2281)) + B_{\bar{N}}(2N+2283-B_{\bar{N}}(2N+2280))$$

$$= B_{\bar{N}}(2N+2283-(2N+1906)) + B_{\bar{N}}(2N+2283-(N+2663)) + B_{\bar{N}}(2N+2283-(2N-387))$$

$$= B_{\bar{N}}(377) + B_{\bar{N}}(N-380) + B_{\bar{N}}(2670) = 377 + (N-380) + 2670 = N + 2667$$

$$(N \ge 2670)$$

$$B_{\bar{N}}(2N+2284) = B_{\bar{N}}(2N+2284-B_{\bar{N}}(2N+2283)) + B_{\bar{N}}(2N+2284-B_{\bar{N}}(2N+2282)) + B_{\bar{N}}(2N+2284-B_{\bar{N}}(2N+2281))$$

$$= B_{\bar{N}}(2N+2284-(N+2667)) + B_{\bar{N}}(2N+2284-(2N+1906)) + B_{\bar{N}}(2N+2284-(N+2663))$$

$$= B_{\bar{N}}(N-383) + B_{\bar{N}}(378) + B_{\bar{N}}(N-379) = (N-383) + 378 + (N-379) = 2N-384$$

$$(N \ge 384)$$

$$B_{\bar{N}}(2N+2285) = B_{\bar{N}}(2N+2285-B_{\bar{N}}(2N+2284)) + B_{\bar{N}}(2N+2285-B_{\bar{N}}(2N+2283)) + B_{\bar{N}}(2N+2285-B_{\bar{N}}(2N+2282))$$

$$= B_{\bar{N}}(2N+2285-(2N-384)) + B_{\bar{N}}(2N+2285-(N+2667)) + B_{\bar{N}}(2N+2285-(2N+1906))$$

$$= B_{\bar{N}}(2669) + B_{\bar{N}}(N-382) + B_{\bar{N}}(379) = 2669 + (N-382) + 379 = N + 2666$$

$$(N \ge 2669)$$

$$B_{\bar{N}}(2N+2286) = B_{\bar{N}}(2N+2286-B_{\bar{N}}(2N+2285)) + B_{\bar{N}}(2N+2286-B_{\bar{N}}(2N+2284)) + B_{\bar{N}}(2N+2286-B_{\bar{N}}(2N+2283))$$

$$= B_{\bar{N}}(2N+2286-(N+2666)) + B_{\bar{N}}(2N+2286-(2N-384)) + B_{\bar{N}}(2N+2286-(N+2667))$$

$$= B_{\bar{N}}(N-380) + B_{\bar{N}}(2670) + B_{\bar{N}}(N-381) = (N-380) + 2670 + (N-381) = 2N + 1909$$

$$(N \ge 2670)$$

$$B_{\bar{N}}(2N+2287) = B_{\bar{N}}(2N+2287 - B_{\bar{N}}(2N+2286)) + B_{\bar{N}}(2N+2287 - B_{\bar{N}}(2N+2285)) + B_{\bar{N}}(2N+2287 - B_{\bar{N}}(2N+2284))$$

$$= B_{\bar{N}}(2N+2287 - (2N+1909)) + B_{\bar{N}}(2N+2287 - (N+2666)) + B_{\bar{N}}(2N+2287 - (2N-384))$$

$$= B_{\bar{N}}(378) + B_{\bar{N}}(N-379) + B_{\bar{N}}(2671) = 378 + (N-379) + 2671 = N + 2670$$

$$(N \ge 2671)$$

$$B_{\bar{N}}(2N+2288) = B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2287)) + B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2286)) + B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2N+2288-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2289) = B_{\bar{N}}(2N+2289 - B_{\bar{N}}(2N+2288)) + B_{\bar{N}}(2N+2289 - B_{\bar{N}}(2N+2287)) + B_{\bar{N}}(2N+2289 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2290) = B_{\bar{N}}(2N+2290 - B_{\bar{N}}(2N+2289)) + B_{\bar{N}}(2N+2290 - B_{\bar{N}}(2N+2288)) + B_{\bar{N}}(2N+2290 - B_{\bar{N}}(2N+2287))$$

$$= B_{\bar{N}}(2N+2290 - (N+2669)) + B_{\bar{N}}(2N+2290 - (2N-381)) + B_{\bar{N}}(2N+2290 - (N+2670))$$

$$= B_{\bar{N}}(N-379) + B_{\bar{N}}(2671) + B_{\bar{N}}(N-380) = (N-379) + 2671 + (N-380) = 2N + 1912$$

$$(N \ge 2671)$$

$$\begin{split} B_{\bar{N}}(2N+2291) &= B_{\bar{N}}(2N+2291-B_{\bar{N}}(2N+2290)) + B_{\bar{N}}(2N+2291-B_{\bar{N}}(2N+2289)) + B_{\bar{N}}(2N+2291-B_{\bar{N}}(2N+2288)) \\ &= B_{\bar{N}}(2N+2291-(2N+1912)) + B_{\bar{N}}(2N+2291-(N+2669)) + B_{\bar{N}}(2N+2291-(2N-381)) \\ &= B_{\bar{N}}(379) + B_{\bar{N}}(N-378) + B_{\bar{N}}(2672) = 379 + (N-378) + 2672 = N + 2673 \\ &(N > 2672) \end{split}$$

$$B_{\bar{N}}(2N+2292) = B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2291)) + B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2290)) + B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2N+2292-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2293) = B_{\bar{N}}(2N+2293-B_{\bar{N}}(2N+2292)) + B_{\bar{N}}(2N+2293-B_{\bar{N}}(2N+2291)) + B_{\bar{N}}(2N+2293-B_{\bar{N}}(2N+2290))$$

$$= B_{\bar{N}}(2N+2293-(2N-378)) + B_{\bar{N}}(2N+2293-(N+2673)) + B_{\bar{N}}(2N+2293-(2N+1912))$$

$$= B_{\bar{N}}(2671) + B_{\bar{N}}(N-380) + B_{\bar{N}}(381) = 2671 + (N-380) + 381 = N + 2672$$

$$(N \ge 2671)$$

$$B_{\bar{N}}(2N+2294) = B_{\bar{N}}(2N+2294-B_{\bar{N}}(2N+2293)) + B_{\bar{N}}(2N+2294-B_{\bar{N}}(2N+2292)) + B_{\bar{N}}(2N+2294-B_{\bar{N}}(2N+2291))$$

$$= B_{\bar{N}}(2N+2294-(N+2672)) + B_{\bar{N}}(2N+2294-(2N-378)) + B_{\bar{N}}(2N+2294-(N+2673))$$

$$= B_{\bar{N}}(N-378) + B_{\bar{N}}(2672) + B_{\bar{N}}(N-379) = (N-378) + 2672 + (N-379) = 2N + 1915$$

$$(N \ge 2672)$$

$$\begin{split} B_{\bar{N}}(2N+2295) &= B_{\bar{N}}(2N+2295-B_{\bar{N}}(2N+2294)) + B_{\bar{N}}(2N+2295-B_{\bar{N}}(2N+2293)) + B_{\bar{N}}(2N+2295-B_{\bar{N}}(2N+2292)) \\ &= B_{\bar{N}}(2N+2295-(2N+1915)) + B_{\bar{N}}(2N+2295-(N+2672)) + B_{\bar{N}}(2N+2295-(2N-378)) \\ &= B_{\bar{N}}(380) + B_{\bar{N}}(N-377) + B_{\bar{N}}(2673) = 380 + (N-377) + 2673 = N + 2676 \\ &(N \geq 2673) \end{split}$$

$$B_{\bar{N}}(2N+2296) = B_{\bar{N}}(2N+2296-B_{\bar{N}}(2N+2295)) + B_{\bar{N}}(2N+2296-B_{\bar{N}}(2N+2294)) + B_{\bar{N}}(2N+2296-B_{\bar{N}}(2N+2293))$$

$$= B_{\bar{N}}(2N+2296-(N+2676)) + B_{\bar{N}}(2N+2296-(2N+1915)) + B_{\bar{N}}(2N+2296-(N+2672))$$

$$= B_{\bar{N}}(N-380) + B_{\bar{N}}(381) + B_{\bar{N}}(N-376) = (N-380) + 381 + (N-376) = 2N-375$$

$$(N > 381)$$

$$B_{\bar{N}}(2N+2297) = B_{\bar{N}}(2N+2297 - B_{\bar{N}}(2N+2296)) + B_{\bar{N}}(2N+2297 - B_{\bar{N}}(2N+2295)) + B_{\bar{N}}(2N+2297 - B_{\bar{N}}(2N+2294))$$

$$= B_{\bar{N}}(2N+2297 - (2N-375)) + B_{\bar{N}}(2N+2297 - (N+2676)) + B_{\bar{N}}(2N+2297 - (2N+1915))$$

$$= B_{\bar{N}}(2672) + B_{\bar{N}}(N-379) + B_{\bar{N}}(382) = 2672 + (N-379) + 382 = N + 2675$$

$$(N \ge 2672)$$

$$B_{\bar{N}}(2N+2298) = B_{\bar{N}}(2N+2298-B_{\bar{N}}(2N+2297)) + B_{\bar{N}}(2N+2298-B_{\bar{N}}(2N+2296)) + B_{\bar{N}}(2N+2298-B_{\bar{N}}(2N+2295))$$

$$= B_{\bar{N}}(2N+2298-(N+2675)) + B_{\bar{N}}(2N+2298-(2N-375)) + B_{\bar{N}}(2N+2298-(N+2676))$$

$$= B_{\bar{N}}(N-377) + B_{\bar{N}}(2673) + B_{\bar{N}}(N-378) = (N-377) + 2673 + (N-378) = 2N + 1918$$

$$(N \ge 2673)$$

$$B_{\bar{N}}(2N+2299) = B_{\bar{N}}(2N+2299 - B_{\bar{N}}(2N+2298)) + B_{\bar{N}}(2N+2299 - B_{\bar{N}}(2N+2297)) + B_{\bar{N}}(2N+2299 - B_{\bar{N}}(2N+2296))$$

$$= B_{\bar{N}}(2N+2299 - (2N+1918)) + B_{\bar{N}}(2N+2299 - (N+2675)) + B_{\bar{N}}(2N+2299 - (2N-375))$$

$$= B_{\bar{N}}(381) + B_{\bar{N}}(N-376) + B_{\bar{N}}(2674) = 381 + (N-376) + 2674 = N + 2679$$

$$(N \ge 2674)$$

$$B_{\bar{N}}(2N+2300) = B_{\bar{N}}(2N+2300 - B_{\bar{N}}(2N+2299)) + B_{\bar{N}}(2N+2300 - B_{\bar{N}}(2N+2298)) + B_{\bar{N}}(2N+2300 - B_{\bar{N}}(2N+2297))$$

$$= B_{\bar{N}}(2N+2300 - (N+2679)) + B_{\bar{N}}(2N+2300 - (2N+1918)) + B_{\bar{N}}(2N+2300 - (N+2675))$$

$$= B_{\bar{N}}(N-379) + B_{\bar{N}}(382) + B_{\bar{N}}(N-375) = (N-379) + 382 + (N-375) = 2N-372$$

$$(N \ge 382)$$

$$B_{\bar{N}}(2N+2301) = B_{\bar{N}}(2N+2301 - B_{\bar{N}}(2N+2300)) + B_{\bar{N}}(2N+2301 - B_{\bar{N}}(2N+2299)) + B_{\bar{N}}(2N+2301 - B_{\bar{N}}(2N+2298))$$

$$= B_{\bar{N}}(2N+2301 - (2N-372)) + B_{\bar{N}}(2N+2301 - (N+2679)) + B_{\bar{N}}(2N+2301 - (2N+1918))$$

$$= B_{\bar{N}}(2673) + B_{\bar{N}}(N-378) + B_{\bar{N}}(383) = 2673 + (N-378) + 383 = N + 2678$$

$$(N \ge 2673)$$

$$B_{\bar{N}}(2N+2302) = B_{\bar{N}}(2N+2302-B_{\bar{N}}(2N+2301)) + B_{\bar{N}}(2N+2302-B_{\bar{N}}(2N+2300)) + B_{\bar{N}}(2N+2302-B_{\bar{N}}(2N+2299))$$

$$= B_{\bar{N}}(2N+2302-(N+2678)) + B_{\bar{N}}(2N+2302-(2N-372)) + B_{\bar{N}}(2N+2302-(N+2679))$$

$$= B_{\bar{N}}(N-376) + B_{\bar{N}}(2674) + B_{\bar{N}}(N-377) = (N-376) + 2674 + (N-377) = 2N + 1921$$

$$(N \ge 2674)$$

$$B_{\bar{N}}(2N+2303) = B_{\bar{N}}(2N+2303-B_{\bar{N}}(2N+2302)) + B_{\bar{N}}(2N+2303-B_{\bar{N}}(2N+2301)) + B_{\bar{N}}(2N+2303-B_{\bar{N}}(2N+2303)) = B_{\bar{N}}(2N+2303-(2N+1921)) + B_{\bar{N}}(2N+2303-(N+2678)) + B_{\bar{N}}(2N+2303-(2N-372)) = B_{\bar{N}}(382) + B_{\bar{N}}(N-375) + B_{\bar{N}}(2675) = 382 + (N-375) + 2675 = N + 2682 (N \ge 2675)$$

$$B_{\bar{N}}(2N+2304) = B_{\bar{N}}(2N+2304-B_{\bar{N}}(2N+2303)) + B_{\bar{N}}(2N+2304-B_{\bar{N}}(2N+2302)) + B_{\bar{N}}(2N+2304-B_{\bar{N}}(2N+2301))$$

$$= B_{\bar{N}}(2N+2304-(N+2682)) + B_{\bar{N}}(2N+2304-(2N+1921)) + B_{\bar{N}}(2N+2304-(N+2678))$$

$$= B_{\bar{N}}(N-378) + B_{\bar{N}}(383) + B_{\bar{N}}(N-374) = (N-378) + 383 + (N-374) = 2N-369$$

$$(N \ge 383)$$

$$\begin{split} B_{\bar{N}}(2N+2305) &= B_{\bar{N}}(2N+2305-B_{\bar{N}}(2N+2304)) + B_{\bar{N}}(2N+2305-B_{\bar{N}}(2N+2303)) + B_{\bar{N}}(2N+2305-B_{\bar{N}}(2N+2302)) \\ &= B_{\bar{N}}(2N+2305-(2N-369)) + B_{\bar{N}}(2N+2305-(N+2682)) + B_{\bar{N}}(2N+2305-(2N+1921)) \\ &= B_{\bar{N}}(2674) + B_{\bar{N}}(N-377) + B_{\bar{N}}(384) = 2674 + (N-377) + 384 = N + 2681 \\ &(N \geq 2674) \end{split}$$

$$B_{\bar{N}}(2N+2306) = B_{\bar{N}}(2N+2306 - B_{\bar{N}}(2N+2305)) + B_{\bar{N}}(2N+2306 - B_{\bar{N}}(2N+2304)) + B_{\bar{N}}(2N+2306 - B_{\bar{N}}(2N+2303))$$

$$= B_{\bar{N}}(2N+2306 - (N+2681)) + B_{\bar{N}}(2N+2306 - (2N-369)) + B_{\bar{N}}(2N+2306 - (N+2682))$$

$$= B_{\bar{N}}(N-375) + B_{\bar{N}}(2675) + B_{\bar{N}}(N-376) = (N-375) + 2675 + (N-376) = 2N + 1924$$

$$(N \ge 2675)$$

$$B_{\bar{N}}(2N+2307) = B_{\bar{N}}(2N+2307 - B_{\bar{N}}(2N+2306)) + B_{\bar{N}}(2N+2307 - B_{\bar{N}}(2N+2305)) + B_{\bar{N}}(2N+2307 - B_{\bar{N}}(2N+2304))$$

$$= B_{\bar{N}}(2N+2307 - (2N+1924)) + B_{\bar{N}}(2N+2307 - (N+2681)) + B_{\bar{N}}(2N+2307 - (2N-369))$$

$$= B_{\bar{N}}(383) + B_{\bar{N}}(N-374) + B_{\bar{N}}(2676) = 383 + (N-374) + 2676 = N + 2685$$

$$(N \ge 2676)$$

$$B_{\bar{N}}(2N+2308) = B_{\bar{N}}(2N+2308-B_{\bar{N}}(2N+2307)) + B_{\bar{N}}(2N+2308-B_{\bar{N}}(2N+2306)) + B_{\bar{N}}(2N+2308-B_{\bar{N}}(2N+2305))$$

$$= B_{\bar{N}}(2N+2308-(N+2685)) + B_{\bar{N}}(2N+2308-(2N+1924)) + B_{\bar{N}}(2N+2308-(N+2681))$$

$$= B_{\bar{N}}(N-377) + B_{\bar{N}}(384) + B_{\bar{N}}(N-373) = (N-377) + 384 + (N-373) = 2N-366$$

$$(N \ge 384)$$

$$B_{\bar{N}}(2N+2309) = B_{\bar{N}}(2N+2309 - B_{\bar{N}}(2N+2308)) + B_{\bar{N}}(2N+2309 - B_{\bar{N}}(2N+2307)) + B_{\bar{N}}(2N+2309 - B_{\bar{N}}(2N+2309))$$

$$= B_{\bar{N}}(2N+2309 - (2N-366)) + B_{\bar{N}}(2N+2309 - (N+2685)) + B_{\bar{N}}(2N+2309 - (2N+1924))$$

$$= B_{\bar{N}}(2675) + B_{\bar{N}}(N-376) + B_{\bar{N}}(385) = 2675 + (N-376) + 385 = N + 2684$$

$$(N \ge 2675)$$

$$B_{\bar{N}}(2N+2310) = B_{\bar{N}}(2N+2310 - B_{\bar{N}}(2N+2309)) + B_{\bar{N}}(2N+2310 - B_{\bar{N}}(2N+2308)) + B_{\bar{N}}(2N+2310 - B_{\bar{N}}(2N+2307))$$

$$= B_{\bar{N}}(2N+2310 - (N+2684)) + B_{\bar{N}}(2N+2310 - (2N-366)) + B_{\bar{N}}(2N+2310 - (N+2685))$$

$$= B_{\bar{N}}(N-374) + B_{\bar{N}}(2676) + B_{\bar{N}}(N-375) = (N-374) + 2676 + (N-375) = 2N + 1927$$

$$(N \ge 2676)$$

$$B_{\bar{N}}(2N+2311) = B_{\bar{N}}(2N+2311-B_{\bar{N}}(2N+2310)) + B_{\bar{N}}(2N+2311-B_{\bar{N}}(2N+2309)) + B_{\bar{N}}(2N+2311-B_{\bar{N}}(2N+2308))$$

$$= B_{\bar{N}}(2N+2311-(2N+1927)) + B_{\bar{N}}(2N+2311-(N+2684)) + B_{\bar{N}}(2N+2311-(2N-366))$$

$$= B_{\bar{N}}(384) + B_{\bar{N}}(N-373) + B_{\bar{N}}(2677) = 384 + (N-373) + 2677 = N + 2688$$

$$(N \ge 2677)$$

$$B_{\bar{N}}(2N+2312) = B_{\bar{N}}(2N+2312-B_{\bar{N}}(2N+2311)) + B_{\bar{N}}(2N+2312-B_{\bar{N}}(2N+2310)) + B_{\bar{N}}(2N+2312-B_{\bar{N}}(2N+2309))$$

$$= B_{\bar{N}}(2N+2312-(N+2688)) + B_{\bar{N}}(2N+2312-(2N+1927)) + B_{\bar{N}}(2N+2312-(N+2684))$$

$$= B_{\bar{N}}(N-376) + B_{\bar{N}}(385) + B_{\bar{N}}(N-372) = (N-376) + 385 + (N-372) = 2N-363$$

$$(N \ge 385)$$

$$B_{\bar{N}}(2N+2313) = B_{\bar{N}}(2N+2313-B_{\bar{N}}(2N+2312)) + B_{\bar{N}}(2N+2313-B_{\bar{N}}(2N+2311)) + B_{\bar{N}}(2N+2313-B_{\bar{N}}(2N+2310))$$

$$= B_{\bar{N}}(2N+2313-(2N-363)) + B_{\bar{N}}(2N+2313-(N+2688)) + B_{\bar{N}}(2N+2313-(2N+1927))$$

$$= B_{\bar{N}}(2676) + B_{\bar{N}}(N-375) + B_{\bar{N}}(386) = 2676 + (N-375) + 386 = N + 2687$$

$$(N \ge 2676)$$

$$B_{\bar{N}}(2N+2314) = B_{\bar{N}}(2N+2314-B_{\bar{N}}(2N+2313)) + B_{\bar{N}}(2N+2314-B_{\bar{N}}(2N+2312)) + B_{\bar{N}}(2N+2314-B_{\bar{N}}(2N+2311))$$

$$= B_{\bar{N}}(2N+2314-(N+2687)) + B_{\bar{N}}(2N+2314-(2N-363)) + B_{\bar{N}}(2N+2314-(N+2688))$$

$$= B_{\bar{N}}(N-373) + B_{\bar{N}}(2677) + B_{\bar{N}}(N-374) = (N-373) + 2677 + (N-374) = 2N + 1930$$

$$(N \ge 2677)$$

$$B_{\bar{N}}(2N+2315) = B_{\bar{N}}(2N+2315-B_{\bar{N}}(2N+2314)) + B_{\bar{N}}(2N+2315-B_{\bar{N}}(2N+2313)) + B_{\bar{N}}(2N+2315-B_{\bar{N}}(2N+2312))$$

$$= B_{\bar{N}}(2N+2315-(2N+1930)) + B_{\bar{N}}(2N+2315-(N+2687)) + B_{\bar{N}}(2N+2315-(2N-363))$$

$$= B_{\bar{N}}(385) + B_{\bar{N}}(N-372) + B_{\bar{N}}(2678) = 385 + (N-372) + 2678 = N + 2691$$

$$(N \ge 2678)$$

$$B_{\bar{N}}(2N+2316) = B_{\bar{N}}(2N+2316-B_{\bar{N}}(2N+2315)) + B_{\bar{N}}(2N+2316-B_{\bar{N}}(2N+2314)) + B_{\bar{N}}(2N+2316-B_{\bar{N}}(2N+2313))$$

$$= B_{\bar{N}}(2N+2316-(N+2691)) + B_{\bar{N}}(2N+2316-(2N+1930)) + B_{\bar{N}}(2N+2316-(N+2687))$$

$$= B_{\bar{N}}(N-375) + B_{\bar{N}}(386) + B_{\bar{N}}(N-371) = (N-375) + 386 + (N-371) = 2N-360$$

$$(N \ge 386)$$

$$B_{\bar{N}}(2N+2317) = B_{\bar{N}}(2N+2317 - B_{\bar{N}}(2N+2316)) + B_{\bar{N}}(2N+2317 - B_{\bar{N}}(2N+2315)) + B_{\bar{N}}(2N+2317 - B_{\bar{N}}(2N+2314))$$

$$= B_{\bar{N}}(2N+2317 - (2N-360)) + B_{\bar{N}}(2N+2317 - (N+2691)) + B_{\bar{N}}(2N+2317 - (2N+1930))$$

$$= B_{\bar{N}}(2677) + B_{\bar{N}}(N-374) + B_{\bar{N}}(387) = 2677 + (N-374) + 387 = N + 2690$$

$$(N > 2677)$$

$$B_{\bar{N}}(2N+2318) = B_{\bar{N}}(2N+2318-B_{\bar{N}}(2N+2317)) + B_{\bar{N}}(2N+2318-B_{\bar{N}}(2N+2316)) + B_{\bar{N}}(2N+2318-B_{\bar{N}}(2N+2315))$$

$$= B_{\bar{N}}(2N+2318-(N+2690)) + B_{\bar{N}}(2N+2318-(2N-360)) + B_{\bar{N}}(2N+2318-(N+2691))$$

$$= B_{\bar{N}}(N-372) + B_{\bar{N}}(2678) + B_{\bar{N}}(N-373) = (N-372) + 2678 + (N-373) = 2N + 1933$$

$$(N \ge 2678)$$

$$B_{\bar{N}}(2N+2319) = B_{\bar{N}}(2N+2319 - B_{\bar{N}}(2N+2318)) + B_{\bar{N}}(2N+2319 - B_{\bar{N}}(2N+2317)) + B_{\bar{N}}(2N+2319 - B_{\bar{N}}(2N+2316))$$

$$= B_{\bar{N}}(2N+2319 - (2N+1933)) + B_{\bar{N}}(2N+2319 - (N+2690)) + B_{\bar{N}}(2N+2319 - (2N-360))$$

$$= B_{\bar{N}}(386) + B_{\bar{N}}(N-371) + B_{\bar{N}}(2679) = 386 + (N-371) + 2679 = N + 2694$$

$$(N \ge 2679)$$

$$B_{\bar{N}}(2N+2320) = B_{\bar{N}}(2N+2320-B_{\bar{N}}(2N+2319)) + B_{\bar{N}}(2N+2320-B_{\bar{N}}(2N+2318)) + B_{\bar{N}}(2N+2320-B_{\bar{N}}(2N+2317))$$

$$= B_{\bar{N}}(2N+2320-(N+2694)) + B_{\bar{N}}(2N+2320-(2N+1933)) + B_{\bar{N}}(2N+2320-(N+2690))$$

$$= B_{\bar{N}}(N-374) + B_{\bar{N}}(387) + B_{\bar{N}}(N-370) = (N-374) + 387 + (N-370) = 2N-357$$

$$(N \ge 387)$$

$$B_{\bar{N}}(2N+2321) = B_{\bar{N}}(2N+2321-B_{\bar{N}}(2N+2320)) + B_{\bar{N}}(2N+2321-B_{\bar{N}}(2N+2319)) + B_{\bar{N}}(2N+2321-B_{\bar{N}}(2N+2318))$$

$$= B_{\bar{N}}(2N+2321-(2N-357)) + B_{\bar{N}}(2N+2321-(N+2694)) + B_{\bar{N}}(2N+2321-(2N+1933))$$

$$= B_{\bar{N}}(2678) + B_{\bar{N}}(N-373) + B_{\bar{N}}(388) = 2678 + (N-373) + 388 = N + 2693$$

$$(N \ge 2678)$$

$$B_{\bar{N}}(2N+2322) = B_{\bar{N}}(2N+2322-B_{\bar{N}}(2N+2321)) + B_{\bar{N}}(2N+2322-B_{\bar{N}}(2N+2320)) + B_{\bar{N}}(2N+2322-B_{\bar{N}}(2N+2319))$$

$$= B_{\bar{N}}(2N+2322-(N+2693)) + B_{\bar{N}}(2N+2322-(2N-357)) + B_{\bar{N}}(2N+2322-(N+2694))$$

$$= B_{\bar{N}}(N-371) + B_{\bar{N}}(2679) + B_{\bar{N}}(N-372) = (N-371) + 2679 + (N-372) = 2N + 1936$$

$$(N \ge 2679)$$

$$B_{\bar{N}}(2N+2323) = B_{\bar{N}}(2N+2323-B_{\bar{N}}(2N+2322)) + B_{\bar{N}}(2N+2323-B_{\bar{N}}(2N+2321)) + B_{\bar{N}}(2N+2323-B_{\bar{N}}(2N+2323))$$

$$= B_{\bar{N}}(2N+2323-(2N+1936)) + B_{\bar{N}}(2N+2323-(N+2693)) + B_{\bar{N}}(2N+2323-(2N-357))$$

$$= B_{\bar{N}}(387) + B_{\bar{N}}(N-370) + B_{\bar{N}}(2680) = 387 + (N-370) + 2680 = N + 2697$$

$$(N \ge 2680)$$

$$B_{\bar{N}}(2N+2324) = B_{\bar{N}}(2N+2324-B_{\bar{N}}(2N+2323)) + B_{\bar{N}}(2N+2324-B_{\bar{N}}(2N+2322)) + B_{\bar{N}}(2N+2324-B_{\bar{N}}(2N+2321))$$

$$= B_{\bar{N}}(2N+2324-(N+2697)) + B_{\bar{N}}(2N+2324-(2N+1936)) + B_{\bar{N}}(2N+2324-(N+2693))$$

$$= B_{\bar{N}}(N-373) + B_{\bar{N}}(388) + B_{\bar{N}}(N-369) = (N-373) + 388 + (N-369) = 2N-354$$

$$(N \ge 388)$$

$$B_{\bar{N}}(2N+2325) = B_{\bar{N}}(2N+2325-B_{\bar{N}}(2N+2324)) + B_{\bar{N}}(2N+2325-B_{\bar{N}}(2N+2323)) + B_{\bar{N}}(2N+2325-B_{\bar{N}}(2N+2325))$$

$$= B_{\bar{N}}(2N+2325-(2N-354)) + B_{\bar{N}}(2N+2325-(N+2697)) + B_{\bar{N}}(2N+2325-(2N+1936))$$

$$= B_{\bar{N}}(2679) + B_{\bar{N}}(N-372) + B_{\bar{N}}(389) = 2679 + (N-372) + 389 = N + 2696$$

$$(N \ge 2679)$$

$$B_{\bar{N}}(2N+2326) = B_{\bar{N}}(2N+2326-B_{\bar{N}}(2N+2325)) + B_{\bar{N}}(2N+2326-B_{\bar{N}}(2N+2324)) + B_{\bar{N}}(2N+2326-B_{\bar{N}}(2N+2323))$$

$$= B_{\bar{N}}(2N+2326-(N+2696)) + B_{\bar{N}}(2N+2326-(2N-354)) + B_{\bar{N}}(2N+2326-(N+2697))$$

$$= B_{\bar{N}}(N-370) + B_{\bar{N}}(2680) + B_{\bar{N}}(N-371) = (N-370) + 2680 + (N-371) = 2N + 1939$$

$$(N \ge 2680)$$

$$B_{\bar{N}}(2N+2327) = B_{\bar{N}}(2N+2327-B_{\bar{N}}(2N+2326)) + B_{\bar{N}}(2N+2327-B_{\bar{N}}(2N+2325)) + B_{\bar{N}}(2N+2327-B_{\bar{N}}(2N+2324))$$

$$= B_{\bar{N}}(2N+2327-(2N+1939)) + B_{\bar{N}}(2N+2327-(N+2696)) + B_{\bar{N}}(2N+2327-(2N-354))$$

$$= B_{\bar{N}}(388) + B_{\bar{N}}(N-369) + B_{\bar{N}}(2681) = 388 + (N-369) + 2681 = N + 2700$$

$$(N \ge 2681)$$

$$B_{\bar{N}}(2N+2328) = B_{\bar{N}}(2N+2328-B_{\bar{N}}(2N+2327)) + B_{\bar{N}}(2N+2328-B_{\bar{N}}(2N+2326)) + B_{\bar{N}}(2N+2328-B_{\bar{N}}(2N+2325))$$

$$= B_{\bar{N}}(2N+2328-(N+2700)) + B_{\bar{N}}(2N+2328-(2N+1939)) + B_{\bar{N}}(2N+2328-(N+2696))$$

$$= B_{\bar{N}}(N-372) + B_{\bar{N}}(389) + B_{\bar{N}}(N-368) = (N-372) + 389 + (N-368) = 2N-351$$

$$(N \ge 389)$$

$$B_{\bar{N}}(2N+2329) = B_{\bar{N}}(2N+2329 - B_{\bar{N}}(2N+2328)) + B_{\bar{N}}(2N+2329 - B_{\bar{N}}(2N+2327)) + B_{\bar{N}}(2N+2329 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2330) = B_{\bar{N}}(2N+2330 - B_{\bar{N}}(2N+2329)) + B_{\bar{N}}(2N+2330 - B_{\bar{N}}(2N+2328)) + B_{\bar{N}}(2N+2330 - B_{\bar{N}}(2N+2327))$$

$$= B_{\bar{N}}(2N+2330 - (N+2699)) + B_{\bar{N}}(2N+2330 - (2N-351)) + B_{\bar{N}}(2N+2330 - (N+2700))$$

$$= B_{\bar{N}}(N-369) + B_{\bar{N}}(2681) + B_{\bar{N}}(N-370) = (N-369) + 2681 + (N-370) = 2N + 1942$$

$$(N \ge 2681)$$

$$B_{\bar{N}}(2N+2331) = B_{\bar{N}}(2N+2331-B_{\bar{N}}(2N+2330)) + B_{\bar{N}}(2N+2331-B_{\bar{N}}(2N+2329)) + B_{\bar{N}}(2N+2331-B_{\bar{N}}(2N+2328))$$

$$= B_{\bar{N}}(2N+2331-(2N+1942)) + B_{\bar{N}}(2N+2331-(N+2699)) + B_{\bar{N}}(2N+2331-(2N-351))$$

$$= B_{\bar{N}}(389) + B_{\bar{N}}(N-368) + B_{\bar{N}}(2682) = 389 + (N-368) + 2682 = N + 2703$$

$$(N \ge 2682)$$

$$B_{\bar{N}}(2N+2332) = B_{\bar{N}}(2N+2332-B_{\bar{N}}(2N+2331)) + B_{\bar{N}}(2N+2332-B_{\bar{N}}(2N+2330)) + B_{\bar{N}}(2N+2332-B_{\bar{N}}(2N+2329))$$

$$= B_{\bar{N}}(2N+2332-(N+2703)) + B_{\bar{N}}(2N+2332-(2N+1942)) + B_{\bar{N}}(2N+2332-(N+2699))$$

$$= B_{\bar{N}}(N-371) + B_{\bar{N}}(390) + B_{\bar{N}}(N-367) = (N-371) + 390 + (N-367) = 2N-348$$

$$(N > 390)$$

$$B_{\bar{N}}(2N+2333) = B_{\bar{N}}(2N+2333-B_{\bar{N}}(2N+2332)) + B_{\bar{N}}(2N+2333-B_{\bar{N}}(2N+2331)) + B_{\bar{N}}(2N+2333-B_{\bar{N}}(2N+2330))$$

$$= B_{\bar{N}}(2N+2333-(2N-348)) + B_{\bar{N}}(2N+2333-(N+2703)) + B_{\bar{N}}(2N+2333-(2N+1942))$$

$$= B_{\bar{N}}(2681) + B_{\bar{N}}(N-370) + B_{\bar{N}}(391) = 2681 + (N-370) + 391 = N + 2702$$

$$(N \ge 2681)$$

$$B_{\bar{N}}(2N+2334) = B_{\bar{N}}(2N+2334-B_{\bar{N}}(2N+2333)) + B_{\bar{N}}(2N+2334-B_{\bar{N}}(2N+2332)) + B_{\bar{N}}(2N+2334-B_{\bar{N}}(2N+2331))$$

$$= B_{\bar{N}}(2N+2334-(N+2702)) + B_{\bar{N}}(2N+2334-(2N-348)) + B_{\bar{N}}(2N+2334-(N+2703))$$

$$= B_{\bar{N}}(N-368) + B_{\bar{N}}(2682) + B_{\bar{N}}(N-369) = (N-368) + 2682 + (N-369) = 2N + 1945$$

$$(N \ge 2682)$$

$$B_{\bar{N}}(2N+2335) = B_{\bar{N}}(2N+2335-B_{\bar{N}}(2N+2334)) + B_{\bar{N}}(2N+2335-B_{\bar{N}}(2N+2333)) + B_{\bar{N}}(2N+2335-B_{\bar{N}}(2N+2332))$$

$$= B_{\bar{N}}(2N+2335-(2N+1945)) + B_{\bar{N}}(2N+2335-(N+2702)) + B_{\bar{N}}(2N+2335-(2N-348))$$

$$= B_{\bar{N}}(390) + B_{\bar{N}}(N-367) + B_{\bar{N}}(2683) = 390 + (N-367) + 2683 = N + 2706$$

$$(N \ge 2683)$$

$$B_{\bar{N}}(2N+2336) = B_{\bar{N}}(2N+2336-B_{\bar{N}}(2N+2335)) + B_{\bar{N}}(2N+2336-B_{\bar{N}}(2N+2334)) + B_{\bar{N}}(2N+2336-B_{\bar{N}}(2N+2336))$$

$$= B_{\bar{N}}(2N+2336-(N+2706)) + B_{\bar{N}}(2N+2336-(2N+1945)) + B_{\bar{N}}(2N+2336-(N+2702))$$

$$= B_{\bar{N}}(N-370) + B_{\bar{N}}(391) + B_{\bar{N}}(N-366) = (N-370) + 391 + (N-366) = 2N-345$$

$$(N \ge 391)$$

$$B_{\bar{N}}(2N+2337) = B_{\bar{N}}(2N+2337-B_{\bar{N}}(2N+2336)) + B_{\bar{N}}(2N+2337-B_{\bar{N}}(2N+2335)) + B_{\bar{N}}(2N+2337-B_{\bar{N}}(2N+2334))$$

$$= B_{\bar{N}}(2N+2337-(2N-345)) + B_{\bar{N}}(2N+2337-(N+2706)) + B_{\bar{N}}(2N+2337-(2N+1945))$$

$$= B_{\bar{N}}(2682) + B_{\bar{N}}(N-369) + B_{\bar{N}}(392) = 2682 + (N-369) + 392 = N + 2705$$

$$(N \ge 2682)$$

$$B_{\bar{N}}(2N+2338) = B_{\bar{N}}(2N+2338-B_{\bar{N}}(2N+2337)) + B_{\bar{N}}(2N+2338-B_{\bar{N}}(2N+2336)) + B_{\bar{N}}(2N+2338-B_{\bar{N}}(2N+2335))$$

$$= B_{\bar{N}}(2N+2338-(N+2705)) + B_{\bar{N}}(2N+2338-(2N-345)) + B_{\bar{N}}(2N+2338-(N+2706))$$

$$= B_{\bar{N}}(N-367) + B_{\bar{N}}(2683) + B_{\bar{N}}(N-368) = (N-367) + 2683 + (N-368) = 2N + 1948$$

$$(N \ge 2683)$$

$$B_{\bar{N}}(2N+2339) = B_{\bar{N}}(2N+2339 - B_{\bar{N}}(2N+2338)) + B_{\bar{N}}(2N+2339 - B_{\bar{N}}(2N+2337)) + B_{\bar{N}}(2N+2339 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2340) = B_{\bar{N}}(2N+2340-B_{\bar{N}}(2N+2339)) + B_{\bar{N}}(2N+2340-B_{\bar{N}}(2N+2338)) + B_{\bar{N}}(2N+2340-B_{\bar{N}}(2N+2337))$$

$$= B_{\bar{N}}(2N+2340-(N+2709)) + B_{\bar{N}}(2N+2340-(2N+1948)) + B_{\bar{N}}(2N+2340-(N+2705))$$

$$= B_{\bar{N}}(N-369) + B_{\bar{N}}(392) + B_{\bar{N}}(N-365) = (N-369) + 392 + (N-365) = 2N-342$$

$$(N \ge 392)$$

$$B_{\bar{N}}(2N+2341) = B_{\bar{N}}(2N+2341 - B_{\bar{N}}(2N+2340)) + B_{\bar{N}}(2N+2341 - B_{\bar{N}}(2N+2339)) + B_{\bar{N}}(2N+2341 - B_{\bar{N}}(2N+2338))$$

$$= B_{\bar{N}}(2N+2341 - (2N-342)) + B_{\bar{N}}(2N+2341 - (N+2709)) + B_{\bar{N}}(2N+2341 - (2N+1948))$$

$$= B_{\bar{N}}(2683) + B_{\bar{N}}(N-368) + B_{\bar{N}}(393) = 2683 + (N-368) + 393 = N + 2708$$

$$(N \ge 2683)$$

$$B_{\bar{N}}(2N+2342) = B_{\bar{N}}(2N+2342-B_{\bar{N}}(2N+2341)) + B_{\bar{N}}(2N+2342-B_{\bar{N}}(2N+2340)) + B_{\bar{N}}(2N+2342-B_{\bar{N}}(2N+2339))$$

$$= B_{\bar{N}}(2N+2342-(N+2708)) + B_{\bar{N}}(2N+2342-(2N-342)) + B_{\bar{N}}(2N+2342-(N+2709))$$

$$= B_{\bar{N}}(N-366) + B_{\bar{N}}(2684) + B_{\bar{N}}(N-367) = (N-366) + 2684 + (N-367) = 2N + 1951$$

$$(N \ge 2684)$$

$$B_{\bar{N}}(2N+2343) = B_{\bar{N}}(2N+2343-B_{\bar{N}}(2N+2342)) + B_{\bar{N}}(2N+2343-B_{\bar{N}}(2N+2341)) + B_{\bar{N}}(2N+2343-B_{\bar{N}}(2N+2340))$$

$$= B_{\bar{N}}(2N+2343-(2N+1951)) + B_{\bar{N}}(2N+2343-(N+2708)) + B_{\bar{N}}(2N+2343-(2N-342))$$

$$= B_{\bar{N}}(392) + B_{\bar{N}}(N-365) + B_{\bar{N}}(2685) = 392 + (N-365) + 2685 = N + 2712$$

$$(N \ge 2685)$$

$$B_{\bar{N}}(2N+2344) = B_{\bar{N}}(2N+2344-B_{\bar{N}}(2N+2343)) + B_{\bar{N}}(2N+2344-B_{\bar{N}}(2N+2342)) + B_{\bar{N}}(2N+2344-B_{\bar{N}}(2N+2341))$$

$$= B_{\bar{N}}(2N+2344-(N+2712)) + B_{\bar{N}}(2N+2344-(2N+1951)) + B_{\bar{N}}(2N+2344-(N+2708))$$

$$= B_{\bar{N}}(N-368) + B_{\bar{N}}(393) + B_{\bar{N}}(N-364) = (N-368) + 393 + (N-364) = 2N-339$$

$$(N \ge 393)$$

$$B_{\bar{N}}(2N+2345) = B_{\bar{N}}(2N+2345-B_{\bar{N}}(2N+2344)) + B_{\bar{N}}(2N+2345-B_{\bar{N}}(2N+2343)) + B_{\bar{N}}(2N+2345-B_{\bar{N}}(2N+2342))$$

$$= B_{\bar{N}}(2N+2345-(2N-339)) + B_{\bar{N}}(2N+2345-(N+2712)) + B_{\bar{N}}(2N+2345-(2N+1951))$$

$$= B_{\bar{N}}(2684) + B_{\bar{N}}(N-367) + B_{\bar{N}}(394) = 2684 + (N-367) + 394 = N + 2711$$

$$(N \ge 2684)$$

$$B_{\bar{N}}(2N+2346) = B_{\bar{N}}(2N+2346-B_{\bar{N}}(2N+2345)) + B_{\bar{N}}(2N+2346-B_{\bar{N}}(2N+2344)) + B_{\bar{N}}(2N+2346-B_{\bar{N}}(2N+2343))$$

$$= B_{\bar{N}}(2N+2346-(N+2711)) + B_{\bar{N}}(2N+2346-(2N-339)) + B_{\bar{N}}(2N+2346-(N+2712))$$

$$= B_{\bar{N}}(N-365) + B_{\bar{N}}(2685) + B_{\bar{N}}(N-366) = (N-365) + 2685 + (N-366) = 2N + 1954$$

$$(N \ge 2685)$$

$$B_{\bar{N}}(2N+2347) = B_{\bar{N}}(2N+2347-B_{\bar{N}}(2N+2346)) + B_{\bar{N}}(2N+2347-B_{\bar{N}}(2N+2345)) + B_{\bar{N}}(2N+2347-B_{\bar{N}}(2N+2344))$$

$$= B_{\bar{N}}(2N+2347-(2N+1954)) + B_{\bar{N}}(2N+2347-(N+2711)) + B_{\bar{N}}(2N+2347-(2N-339))$$

$$= B_{\bar{N}}(393) + B_{\bar{N}}(N-364) + B_{\bar{N}}(2686) = 393 + (N-364) + 2686 = N + 2715$$

$$(N \ge 2686)$$

$$B_{\bar{N}}(2N+2348) = B_{\bar{N}}(2N+2348-B_{\bar{N}}(2N+2347)) + B_{\bar{N}}(2N+2348-B_{\bar{N}}(2N+2346)) + B_{\bar{N}}(2N+2348-B_{\bar{N}}(2N+2345))$$

$$= B_{\bar{N}}(2N+2348-(N+2715)) + B_{\bar{N}}(2N+2348-(2N+1954)) + B_{\bar{N}}(2N+2348-(N+2711))$$

$$= B_{\bar{N}}(N-367) + B_{\bar{N}}(394) + B_{\bar{N}}(N-363) = (N-367) + 394 + (N-363) = 2N-336$$

$$(N \ge 394)$$

$$B_{\bar{N}}(2N+2349) = B_{\bar{N}}(2N+2349 - B_{\bar{N}}(2N+2348)) + B_{\bar{N}}(2N+2349 - B_{\bar{N}}(2N+2347)) + B_{\bar{N}}(2N+2349 - B_{\bar{N}}(2N+2349))$$

$$= B_{\bar{N}}(2N+2349 - (2N-336)) + B_{\bar{N}}(2N+2349 - (N+2715)) + B_{\bar{N}}(2N+2349 - (2N+1954))$$

$$= B_{\bar{N}}(2685) + B_{\bar{N}}(N-366) + B_{\bar{N}}(395) = 2685 + (N-366) + 395 = N + 2714$$

$$(N \ge 2685)$$

$$B_{\bar{N}}(2N+2350) = B_{\bar{N}}(2N+2350 - B_{\bar{N}}(2N+2349)) + B_{\bar{N}}(2N+2350 - B_{\bar{N}}(2N+2348)) + B_{\bar{N}}(2N+2350 - B_{\bar{N}}(2N+2347))$$

$$= B_{\bar{N}}(2N+2350 - (N+2714)) + B_{\bar{N}}(2N+2350 - (2N-336)) + B_{\bar{N}}(2N+2350 - (N+2715))$$

$$= B_{\bar{N}}(N-364) + B_{\bar{N}}(2686) + B_{\bar{N}}(N-365) = (N-364) + 2686 + (N-365) = 2N + 1957$$

$$(N \ge 2686)$$

$$B_{\bar{N}}(2N+2351) = B_{\bar{N}}(2N+2351-B_{\bar{N}}(2N+2350)) + B_{\bar{N}}(2N+2351-B_{\bar{N}}(2N+2349)) + B_{\bar{N}}(2N+2351-B_{\bar{N}}(2N+2348))$$

$$= B_{\bar{N}}(2N+2351-(2N+1957)) + B_{\bar{N}}(2N+2351-(N+2714)) + B_{\bar{N}}(2N+2351-(2N-336))$$

$$= B_{\bar{N}}(394) + B_{\bar{N}}(N-363) + B_{\bar{N}}(2687) = 394 + (N-363) + 2687 = N + 2718$$

$$(N \ge 2687)$$

$$B_{\bar{N}}(2N+2352) = B_{\bar{N}}(2N+2352-B_{\bar{N}}(2N+2351)) + B_{\bar{N}}(2N+2352-B_{\bar{N}}(2N+2350)) + B_{\bar{N}}(2N+2352-B_{\bar{N}}(2N+2349))$$

$$= B_{\bar{N}}(2N+2352-(N+2718)) + B_{\bar{N}}(2N+2352-(2N+1957)) + B_{\bar{N}}(2N+2352-(N+2714))$$

$$= B_{\bar{N}}(N-366) + B_{\bar{N}}(395) + B_{\bar{N}}(N-362) = (N-366) + 395 + (N-362) = 2N-333$$

$$(N \ge 395)$$

$$\begin{split} B_{\bar{N}}(2N+2353) &= B_{\bar{N}}(2N+2353-B_{\bar{N}}(2N+2352)) + B_{\bar{N}}(2N+2353-B_{\bar{N}}(2N+2351)) + B_{\bar{N}}(2N+2353-B_{\bar{N}}(2N+2350)) \\ &= B_{\bar{N}}(2N+2353-(2N-333)) + B_{\bar{N}}(2N+2353-(N+2718)) + B_{\bar{N}}(2N+2353-(2N+1957)) \\ &= B_{\bar{N}}(2686) + B_{\bar{N}}(N-365) + B_{\bar{N}}(396) = 2686 + (N-365) + 396 = N + 2717 \\ &(N \geq 2686) \end{split}$$

$$B_{\bar{N}}(2N+2354) = B_{\bar{N}}(2N+2354-B_{\bar{N}}(2N+2353)) + B_{\bar{N}}(2N+2354-B_{\bar{N}}(2N+2352)) + B_{\bar{N}}(2N+2354-B_{\bar{N}}(2N+2351))$$

$$= B_{\bar{N}}(2N+2354-(N+2717)) + B_{\bar{N}}(2N+2354-(2N-333)) + B_{\bar{N}}(2N+2354-(N+2718))$$

$$= B_{\bar{N}}(N-363) + B_{\bar{N}}(2687) + B_{\bar{N}}(N-364) = (N-363) + 2687 + (N-364) = 2N + 1960$$

$$(N \ge 2687)$$

$$B_{\bar{N}}(2N+2355) = B_{\bar{N}}(2N+2355-B_{\bar{N}}(2N+2354)) + B_{\bar{N}}(2N+2355-B_{\bar{N}}(2N+2353)) + B_{\bar{N}}(2N+2355-B_{\bar{N}}(2N+2352))$$

$$= B_{\bar{N}}(2N+2355-(2N+1960)) + B_{\bar{N}}(2N+2355-(N+2717)) + B_{\bar{N}}(2N+2355-(2N-333))$$

$$= B_{\bar{N}}(395) + B_{\bar{N}}(N-362) + B_{\bar{N}}(2688) = 395 + (N-362) + 2688 = N + 2721$$

$$(N \ge 2688)$$

$$B_{\bar{N}}(2N+2356) = B_{\bar{N}}(2N+2356-B_{\bar{N}}(2N+2355)) + B_{\bar{N}}(2N+2356-B_{\bar{N}}(2N+2354)) + B_{\bar{N}}(2N+2356-B_{\bar{N}}(2N+2353))$$

$$= B_{\bar{N}}(2N+2356-(N+2721)) + B_{\bar{N}}(2N+2356-(2N+1960)) + B_{\bar{N}}(2N+2356-(N+2717))$$

$$= B_{\bar{N}}(N-365) + B_{\bar{N}}(396) + B_{\bar{N}}(N-361) = (N-365) + 396 + (N-361) = 2N-330$$

$$(N > 396)$$

$$B_{\bar{N}}(2N+2357) = B_{\bar{N}}(2N+2357 - B_{\bar{N}}(2N+2356)) + B_{\bar{N}}(2N+2357 - B_{\bar{N}}(2N+2355)) + B_{\bar{N}}(2N+2357 - B_{\bar{N}}(2N+2354))$$

$$= B_{\bar{N}}(2N+2357 - (2N-330)) + B_{\bar{N}}(2N+2357 - (N+2721)) + B_{\bar{N}}(2N+2357 - (2N+1960))$$

$$= B_{\bar{N}}(2687) + B_{\bar{N}}(N-364) + B_{\bar{N}}(397) = 2687 + (N-364) + 397 = N + 2720$$

$$(N > 2687)$$

$$B_{\bar{N}}(2N+2358) = B_{\bar{N}}(2N+2358-B_{\bar{N}}(2N+2357)) + B_{\bar{N}}(2N+2358-B_{\bar{N}}(2N+2356)) + B_{\bar{N}}(2N+2358-B_{\bar{N}}(2N+2355))$$

$$= B_{\bar{N}}(2N+2358-(N+2720)) + B_{\bar{N}}(2N+2358-(2N-330)) + B_{\bar{N}}(2N+2358-(N+2721))$$

$$= B_{\bar{N}}(N-362) + B_{\bar{N}}(2688) + B_{\bar{N}}(N-363) = (N-362) + 2688 + (N-363) = 2N + 1963$$

$$(N \ge 2688)$$

$$B_{\bar{N}}(2N+2359) = B_{\bar{N}}(2N+2359 - B_{\bar{N}}(2N+2358)) + B_{\bar{N}}(2N+2359 - B_{\bar{N}}(2N+2357)) + B_{\bar{N}}(2N+2359 - B_{\bar{N}}(2N+2359))$$

$$= B_{\bar{N}}(2N+2359 - (2N+1963)) + B_{\bar{N}}(2N+2359 - (N+2720)) + B_{\bar{N}}(2N+2359 - (2N-330))$$

$$= B_{\bar{N}}(396) + B_{\bar{N}}(N-361) + B_{\bar{N}}(2689) = 396 + (N-361) + 2689 = N + 2724$$

$$(N \ge 2689)$$

$$B_{\bar{N}}(2N+2360) = B_{\bar{N}}(2N+2360 - B_{\bar{N}}(2N+2359)) + B_{\bar{N}}(2N+2360 - B_{\bar{N}}(2N+2358)) + B_{\bar{N}}(2N+2360 - B_{\bar{N}}(2N+2357))$$

$$= B_{\bar{N}}(2N+2360 - (N+2724)) + B_{\bar{N}}(2N+2360 - (2N+1963)) + B_{\bar{N}}(2N+2360 - (N+2720))$$

$$= B_{\bar{N}}(N-364) + B_{\bar{N}}(397) + B_{\bar{N}}(N-360) = (N-364) + 397 + (N-360) = 2N-327$$

$$(N \ge 397)$$

$$B_{\bar{N}}(2N+2361) = B_{\bar{N}}(2N+2361-B_{\bar{N}}(2N+2360)) + B_{\bar{N}}(2N+2361-B_{\bar{N}}(2N+2359)) + B_{\bar{N}}(2N+2361-B_{\bar{N}}(2N+2358))$$

$$= B_{\bar{N}}(2N+2361-(2N-327)) + B_{\bar{N}}(2N+2361-(N+2724)) + B_{\bar{N}}(2N+2361-(2N+1963))$$

$$= B_{\bar{N}}(2688) + B_{\bar{N}}(N-363) + B_{\bar{N}}(398) = 2688 + (N-363) + 398 = N + 2723$$

$$(N \ge 2688)$$

$$B_{\bar{N}}(2N+2362) = B_{\bar{N}}(2N+2362-B_{\bar{N}}(2N+2361)) + B_{\bar{N}}(2N+2362-B_{\bar{N}}(2N+2360)) + B_{\bar{N}}(2N+2362-B_{\bar{N}}(2N+2359))$$

$$= B_{\bar{N}}(2N+2362-(N+2723)) + B_{\bar{N}}(2N+2362-(2N-327)) + B_{\bar{N}}(2N+2362-(N+2724))$$

$$= B_{\bar{N}}(N-361) + B_{\bar{N}}(2689) + B_{\bar{N}}(N-362) = (N-361) + 2689 + (N-362) = 2N + 1966$$

$$(N \ge 2689)$$

$$B_{\bar{N}}(2N+2363) = B_{\bar{N}}(2N+2363-B_{\bar{N}}(2N+2362)) + B_{\bar{N}}(2N+2363-B_{\bar{N}}(2N+2361)) + B_{\bar{N}}(2N+2363-B_{\bar{N}}(2N+2360))$$

$$= B_{\bar{N}}(2N+2363-(2N+1966)) + B_{\bar{N}}(2N+2363-(N+2723)) + B_{\bar{N}}(2N+2363-(2N-327))$$

$$= B_{\bar{N}}(397) + B_{\bar{N}}(N-360) + B_{\bar{N}}(2690) = 397 + (N-360) + 2690 = N + 2727$$

$$(N \ge 2690)$$

$$B_{\bar{N}}(2N+2364) = B_{\bar{N}}(2N+2364-B_{\bar{N}}(2N+2363)) + B_{\bar{N}}(2N+2364-B_{\bar{N}}(2N+2362)) + B_{\bar{N}}(2N+2364-B_{\bar{N}}(2N+2361))$$

$$= B_{\bar{N}}(2N+2364-(N+2727)) + B_{\bar{N}}(2N+2364-(2N+1966)) + B_{\bar{N}}(2N+2364-(N+2723))$$

$$= B_{\bar{N}}(N-363) + B_{\bar{N}}(398) + B_{\bar{N}}(N-359) = (N-363) + 398 + (N-359) = 2N-324$$

$$(N \ge 398)$$

$$B_{\bar{N}}(2N+2365) = B_{\bar{N}}(2N+2365-B_{\bar{N}}(2N+2364)) + B_{\bar{N}}(2N+2365-B_{\bar{N}}(2N+2363)) + B_{\bar{N}}(2N+2365-B_{\bar{N}}(2N+2362))$$

$$= B_{\bar{N}}(2N+2365-(2N-324)) + B_{\bar{N}}(2N+2365-(N+2727)) + B_{\bar{N}}(2N+2365-(2N+1966))$$

$$= B_{\bar{N}}(2689) + B_{\bar{N}}(N-362) + B_{\bar{N}}(399) = 2689 + (N-362) + 399 = N + 2726$$

$$(N \ge 2689)$$

$$B_{\bar{N}}(2N+2366) = B_{\bar{N}}(2N+2366-B_{\bar{N}}(2N+2365)) + B_{\bar{N}}(2N+2366-B_{\bar{N}}(2N+2364)) + B_{\bar{N}}(2N+2366-B_{\bar{N}}(2N+2363))$$

$$= B_{\bar{N}}(2N+2366-(N+2726)) + B_{\bar{N}}(2N+2366-(2N-324)) + B_{\bar{N}}(2N+2366-(N+2727))$$

$$= B_{\bar{N}}(N-360) + B_{\bar{N}}(2690) + B_{\bar{N}}(N-361) = (N-360) + 2690 + (N-361) = 2N + 1969$$

$$(N \ge 2690)$$

$$B_{\bar{N}}(2N+2367) = B_{\bar{N}}(2N+2367-B_{\bar{N}}(2N+2366)) + B_{\bar{N}}(2N+2367-B_{\bar{N}}(2N+2365)) + B_{\bar{N}}(2N+2367-B_{\bar{N}}(2N+2364))$$

$$= B_{\bar{N}}(2N+2367-(2N+1969)) + B_{\bar{N}}(2N+2367-(N+2726)) + B_{\bar{N}}(2N+2367-(2N-324))$$

$$= B_{\bar{N}}(398) + B_{\bar{N}}(N-359) + B_{\bar{N}}(2691) = 398 + (N-359) + 2691 = N + 2730$$

$$(N \ge 2691)$$

$$B_{\bar{N}}(2N+2368) = B_{\bar{N}}(2N+2368-B_{\bar{N}}(2N+2367)) + B_{\bar{N}}(2N+2368-B_{\bar{N}}(2N+2366)) + B_{\bar{N}}(2N+2368-B_{\bar{N}}(2N+2365))$$

$$= B_{\bar{N}}(2N+2368-(N+2730)) + B_{\bar{N}}(2N+2368-(2N+1969)) + B_{\bar{N}}(2N+2368-(N+2726))$$

$$= B_{\bar{N}}(N-362) + B_{\bar{N}}(399) + B_{\bar{N}}(N-358) = (N-362) + 399 + (N-358) = 2N-321$$

$$(N \ge 399)$$

$$B_{\bar{N}}(2N+2369) = B_{\bar{N}}(2N+2369 - B_{\bar{N}}(2N+2368)) + B_{\bar{N}}(2N+2369 - B_{\bar{N}}(2N+2367)) + B_{\bar{N}}(2N+2369 - B_{\bar{N}}(2N+2369))$$

$$= B_{\bar{N}}(2N+2369 - (2N-321)) + B_{\bar{N}}(2N+2369 - (N+2730)) + B_{\bar{N}}(2N+2369 - (2N+1969))$$

$$= B_{\bar{N}}(2690) + B_{\bar{N}}(N-361) + B_{\bar{N}}(400) = 2690 + (N-361) + 400 = N + 2729$$

$$(N \ge 2690)$$

$$B_{\bar{N}}(2N+2370) = B_{\bar{N}}(2N+2370 - B_{\bar{N}}(2N+2369)) + B_{\bar{N}}(2N+2370 - B_{\bar{N}}(2N+2368)) + B_{\bar{N}}(2N+2370 - B_{\bar{N}}(2N+2367))$$

$$= B_{\bar{N}}(2N+2370 - (N+2729)) + B_{\bar{N}}(2N+2370 - (2N-321)) + B_{\bar{N}}(2N+2370 - (N+2730))$$

$$= B_{\bar{N}}(N-359) + B_{\bar{N}}(2691) + B_{\bar{N}}(N-360) = (N-359) + 2691 + (N-360) = 2N + 1972$$

$$(N \ge 2691)$$

$$B_{\bar{N}}(2N+2371) = B_{\bar{N}}(2N+2371 - B_{\bar{N}}(2N+2370)) + B_{\bar{N}}(2N+2371 - B_{\bar{N}}(2N+2369)) + B_{\bar{N}}(2N+2371 - B_{\bar{N}}(2N+2368))$$

$$= B_{\bar{N}}(2N+2371 - (2N+1972)) + B_{\bar{N}}(2N+2371 - (N+2729)) + B_{\bar{N}}(2N+2371 - (2N-321))$$

$$= B_{\bar{N}}(399) + B_{\bar{N}}(N-358) + B_{\bar{N}}(2692) = 399 + (N-358) + 2692 = N + 2733$$

$$(N \ge 2692)$$

$$B_{\bar{N}}(2N+2372) = B_{\bar{N}}(2N+2372-B_{\bar{N}}(2N+2371)) + B_{\bar{N}}(2N+2372-B_{\bar{N}}(2N+2370)) + B_{\bar{N}}(2N+2372-B_{\bar{N}}(2N+2369))$$

$$= B_{\bar{N}}(2N+2372-(N+2733)) + B_{\bar{N}}(2N+2372-(2N+1972)) + B_{\bar{N}}(2N+2372-(N+2729))$$

$$= B_{\bar{N}}(N-361) + B_{\bar{N}}(400) + B_{\bar{N}}(N-357) = (N-361) + 400 + (N-357) = 2N-318$$

$$(N \ge 400)$$

$$B_{\bar{N}}(2N+2373) = B_{\bar{N}}(2N+2373 - B_{\bar{N}}(2N+2372)) + B_{\bar{N}}(2N+2373 - B_{\bar{N}}(2N+2371)) + B_{\bar{N}}(2N+2373 - B_{\bar{N}}(2N+2370))$$

$$= B_{\bar{N}}(2N+2373 - (2N-318)) + B_{\bar{N}}(2N+2373 - (N+2733)) + B_{\bar{N}}(2N+2373 - (2N+1972))$$

$$= B_{\bar{N}}(2691) + B_{\bar{N}}(N-360) + B_{\bar{N}}(401) = 2691 + (N-360) + 401 = N + 2732$$

$$(N \ge 2691)$$

$$B_{\bar{N}}(2N+2374) = B_{\bar{N}}(2N+2374 - B_{\bar{N}}(2N+2373)) + B_{\bar{N}}(2N+2374 - B_{\bar{N}}(2N+2372)) + B_{\bar{N}}(2N+2374 - B_{\bar{N}}(2N+2371))$$

$$= B_{\bar{N}}(2N+2374 - (N+2732)) + B_{\bar{N}}(2N+2374 - (2N-318)) + B_{\bar{N}}(2N+2374 - (N+2733))$$

$$= B_{\bar{N}}(N-358) + B_{\bar{N}}(2692) + B_{\bar{N}}(N-359) = (N-358) + 2692 + (N-359) = 2N + 1975$$

$$(N \ge 2692)$$

$$B_{\bar{N}}(2N+2375) = B_{\bar{N}}(2N+2375 - B_{\bar{N}}(2N+2374)) + B_{\bar{N}}(2N+2375 - B_{\bar{N}}(2N+2373)) + B_{\bar{N}}(2N+2375 - B_{\bar{N}}(2N+2372))$$

$$= B_{\bar{N}}(2N+2375 - (2N+1975)) + B_{\bar{N}}(2N+2375 - (N+2732)) + B_{\bar{N}}(2N+2375 - (2N-318))$$

$$= B_{\bar{N}}(400) + B_{\bar{N}}(N-357) + B_{\bar{N}}(2693) = 400 + (N-357) + 2693 = N + 2736$$

$$(N \ge 2693)$$

$$B_{\bar{N}}(2N+2376) = B_{\bar{N}}(2N+2376 - B_{\bar{N}}(2N+2375)) + B_{\bar{N}}(2N+2376 - B_{\bar{N}}(2N+2374)) + B_{\bar{N}}(2N+2376 - B_{\bar{N}}(2N+2373))$$

$$= B_{\bar{N}}(2N+2376 - (N+2736)) + B_{\bar{N}}(2N+2376 - (2N+1975)) + B_{\bar{N}}(2N+2376 - (N+2732))$$

$$= B_{\bar{N}}(N-360) + B_{\bar{N}}(401) + B_{\bar{N}}(N-356) = (N-360) + 401 + (N-356) = 2N-315$$

$$(N \ge 401)$$

$$B_{\bar{N}}(2N+2377) = B_{\bar{N}}(2N+2377 - B_{\bar{N}}(2N+2376)) + B_{\bar{N}}(2N+2377 - B_{\bar{N}}(2N+2375)) + B_{\bar{N}}(2N+2377 - B_{\bar{N}}(2N+2374))$$

$$= B_{\bar{N}}(2N+2377 - (2N-315)) + B_{\bar{N}}(2N+2377 - (N+2736)) + B_{\bar{N}}(2N+2377 - (2N+1975))$$

$$= B_{\bar{N}}(2692) + B_{\bar{N}}(N-359) + B_{\bar{N}}(402) = 2692 + (N-359) + 402 = N + 2735$$

$$(N \ge 2692)$$

$$B_{\bar{N}}(2N+2378) = B_{\bar{N}}(2N+2378-B_{\bar{N}}(2N+2377)) + B_{\bar{N}}(2N+2378-B_{\bar{N}}(2N+2376)) + B_{\bar{N}}(2N+2378-B_{\bar{N}}(2N+2375)) = B_{\bar{N}}(2N+2378-(N+2735)) + B_{\bar{N}}(2N+2378-(2N-315)) + B_{\bar{N}}(2N+2378-(N+2736)) = B_{\bar{N}}(N-357) + B_{\bar{N}}(2693) + B_{\bar{N}}(N-358) = (N-357) + 2693 + (N-358) = 2N + 1978 (N \ge 2693)$$

$$B_{\bar{N}}(2N+2379) = B_{\bar{N}}(2N+2379 - B_{\bar{N}}(2N+2378)) + B_{\bar{N}}(2N+2379 - B_{\bar{N}}(2N+2377)) + B_{\bar{N}}(2N+2379 - B_{\bar{N}}(2N+2379))$$

$$= B_{\bar{N}}(2N+2379 - (2N+1978)) + B_{\bar{N}}(2N+2379 - (N+2735)) + B_{\bar{N}}(2N+2379 - (2N-315))$$

$$= B_{\bar{N}}(401) + B_{\bar{N}}(N-356) + B_{\bar{N}}(2694) = 401 + (N-356) + 2694 = N + 2739$$

$$(N \ge 2694)$$

$$B_{\bar{N}}(2N+2380) = B_{\bar{N}}(2N+2380 - B_{\bar{N}}(2N+2379)) + B_{\bar{N}}(2N+2380 - B_{\bar{N}}(2N+2378)) + B_{\bar{N}}(2N+2380 - B_{\bar{N}}(2N+2377))$$

$$= B_{\bar{N}}(2N+2380 - (N+2739)) + B_{\bar{N}}(2N+2380 - (2N+1978)) + B_{\bar{N}}(2N+2380 - (N+2735))$$

$$= B_{\bar{N}}(N-359) + B_{\bar{N}}(402) + B_{\bar{N}}(N-355) = (N-359) + 402 + (N-355) = 2N-312$$

$$(N \ge 402)$$

$$B_{\bar{N}}(2N+2381) = B_{\bar{N}}(2N+2381 - B_{\bar{N}}(2N+2380)) + B_{\bar{N}}(2N+2381 - B_{\bar{N}}(2N+2379)) + B_{\bar{N}}(2N+2381 - B_{\bar{N}}(2N+2378))$$

$$= B_{\bar{N}}(2N+2381 - (2N-312)) + B_{\bar{N}}(2N+2381 - (N+2739)) + B_{\bar{N}}(2N+2381 - (2N+1978))$$

$$= B_{\bar{N}}(2693) + B_{\bar{N}}(N-358) + B_{\bar{N}}(403) = 2693 + (N-358) + 403 = N + 2738$$

$$(N \ge 2693)$$

$$B_{\bar{N}}(2N+2382) = B_{\bar{N}}(2N+2382-B_{\bar{N}}(2N+2381)) + B_{\bar{N}}(2N+2382-B_{\bar{N}}(2N+2380)) + B_{\bar{N}}(2N+2382-B_{\bar{N}}(2N+2379))$$

$$= B_{\bar{N}}(2N+2382-(N+2738)) + B_{\bar{N}}(2N+2382-(2N-312)) + B_{\bar{N}}(2N+2382-(N+2739))$$

$$= B_{\bar{N}}(N-356) + B_{\bar{N}}(2694) + B_{\bar{N}}(N-357) = (N-356) + 2694 + (N-357) = 2N + 1981$$

$$(N \ge 2694)$$

$$B_{\bar{N}}(2N+2383) = B_{\bar{N}}(2N+2383-B_{\bar{N}}(2N+2382)) + B_{\bar{N}}(2N+2383-B_{\bar{N}}(2N+2381)) + B_{\bar{N}}(2N+2383-B_{\bar{N}}(2N+2380))$$

$$= B_{\bar{N}}(2N+2383-(2N+1981)) + B_{\bar{N}}(2N+2383-(N+2738)) + B_{\bar{N}}(2N+2383-(2N-312))$$

$$= B_{\bar{N}}(402) + B_{\bar{N}}(N-355) + B_{\bar{N}}(2695) = 402 + (N-355) + 2695 = N + 2742$$

$$(N \ge 2695)$$

$$B_{\bar{N}}(2N+2384) = B_{\bar{N}}(2N+2384-B_{\bar{N}}(2N+2383)) + B_{\bar{N}}(2N+2384-B_{\bar{N}}(2N+2382)) + B_{\bar{N}}(2N+2384-B_{\bar{N}}(2N+2381))$$

$$= B_{\bar{N}}(2N+2384-(N+2742)) + B_{\bar{N}}(2N+2384-(2N+1981)) + B_{\bar{N}}(2N+2384-(N+2738))$$

$$= B_{\bar{N}}(N-358) + B_{\bar{N}}(403) + B_{\bar{N}}(N-354) = (N-358) + 403 + (N-354) = 2N-309$$

$$(N \ge 403)$$

$$B_{\bar{N}}(2N+2385) = B_{\bar{N}}(2N+2385-B_{\bar{N}}(2N+2384)) + B_{\bar{N}}(2N+2385-B_{\bar{N}}(2N+2383)) + B_{\bar{N}}(2N+2385-B_{\bar{N}}(2N+2382))$$

$$= B_{\bar{N}}(2N+2385-(2N-309)) + B_{\bar{N}}(2N+2385-(N+2742)) + B_{\bar{N}}(2N+2385-(2N+1981))$$

$$= B_{\bar{N}}(2694) + B_{\bar{N}}(N-357) + B_{\bar{N}}(404) = 2694 + (N-357) + 404 = N + 2741$$

$$(N \ge 2694)$$

$$B_{\bar{N}}(2N+2386) = B_{\bar{N}}(2N+2386-B_{\bar{N}}(2N+2385)) + B_{\bar{N}}(2N+2386-B_{\bar{N}}(2N+2384)) + B_{\bar{N}}(2N+2386-B_{\bar{N}}(2N+2383))$$

$$= B_{\bar{N}}(2N+2386-(N+2741)) + B_{\bar{N}}(2N+2386-(2N-309)) + B_{\bar{N}}(2N+2386-(N+2742))$$

$$= B_{\bar{N}}(N-355) + B_{\bar{N}}(2695) + B_{\bar{N}}(N-356) = (N-355) + 2695 + (N-356) = 2N + 1984$$

$$(N \ge 2695)$$

$$B_{\bar{N}}(2N+2387) = B_{\bar{N}}(2N+2387 - B_{\bar{N}}(2N+2386)) + B_{\bar{N}}(2N+2387 - B_{\bar{N}}(2N+2385)) + B_{\bar{N}}(2N+2387 - B_{\bar{N}}(2N+2384))$$

$$= B_{\bar{N}}(2N+2387 - (2N+1984)) + B_{\bar{N}}(2N+2387 - (N+2741)) + B_{\bar{N}}(2N+2387 - (2N-309))$$

$$= B_{\bar{N}}(403) + B_{\bar{N}}(N-354) + B_{\bar{N}}(2696) = 403 + (N-354) + 2696 = N + 2745$$

$$(N \ge 2696)$$

$$B_{\bar{N}}(2N+2388) = B_{\bar{N}}(2N+2388-B_{\bar{N}}(2N+2387)) + B_{\bar{N}}(2N+2388-B_{\bar{N}}(2N+2386)) + B_{\bar{N}}(2N+2388-B_{\bar{N}}(2N+2385))$$

$$= B_{\bar{N}}(2N+2388-(N+2745)) + B_{\bar{N}}(2N+2388-(2N+1984)) + B_{\bar{N}}(2N+2388-(N+2741))$$

$$= B_{\bar{N}}(N-357) + B_{\bar{N}}(404) + B_{\bar{N}}(N-353) = (N-357) + 404 + (N-353) = 2N-306$$

$$(N \ge 404)$$

$$B_{\bar{N}}(2N+2389) = B_{\bar{N}}(2N+2389 - B_{\bar{N}}(2N+2388)) + B_{\bar{N}}(2N+2389 - B_{\bar{N}}(2N+2387)) + B_{\bar{N}}(2N+2389 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2390) = B_{\bar{N}}(2N+2390 - B_{\bar{N}}(2N+2389)) + B_{\bar{N}}(2N+2390 - B_{\bar{N}}(2N+2388)) + B_{\bar{N}}(2N+2390 - B_{\bar{N}}(2N+2387))$$

$$= B_{\bar{N}}(2N+2390 - (N+2744)) + B_{\bar{N}}(2N+2390 - (2N-306)) + B_{\bar{N}}(2N+2390 - (N+2745))$$

$$= B_{\bar{N}}(N-354) + B_{\bar{N}}(2696) + B_{\bar{N}}(N-355) = (N-354) + 2696 + (N-355) = 2N + 1987$$

$$(N \ge 2696)$$

$$B_{\bar{N}}(2N+2391) = B_{\bar{N}}(2N+2391-B_{\bar{N}}(2N+2390)) + B_{\bar{N}}(2N+2391-B_{\bar{N}}(2N+2389)) + B_{\bar{N}}(2N+2391-B_{\bar{N}}(2N+2388))$$

$$= B_{\bar{N}}(2N+2391-(2N+1987)) + B_{\bar{N}}(2N+2391-(N+2744)) + B_{\bar{N}}(2N+2391-(2N-306))$$

$$= B_{\bar{N}}(404) + B_{\bar{N}}(N-353) + B_{\bar{N}}(2697) = 404 + (N-353) + 2697 = N + 2748$$

$$(N > 2697)$$

$$B_{\bar{N}}(2N+2392) = B_{\bar{N}}(2N+2392-B_{\bar{N}}(2N+2391)) + B_{\bar{N}}(2N+2392-B_{\bar{N}}(2N+2390)) + B_{\bar{N}}(2N+2392-B_{\bar{N}}(2N+2389))$$

$$= B_{\bar{N}}(2N+2392-(N+2748)) + B_{\bar{N}}(2N+2392-(2N+1987)) + B_{\bar{N}}(2N+2392-(N+2744))$$

$$= B_{\bar{N}}(N-356) + B_{\bar{N}}(405) + B_{\bar{N}}(N-352) = (N-356) + 405 + (N-352) = 2N-303$$

$$(N \ge 405)$$

$$B_{\bar{N}}(2N+2393) = B_{\bar{N}}(2N+2393-B_{\bar{N}}(2N+2392)) + B_{\bar{N}}(2N+2393-B_{\bar{N}}(2N+2391)) + B_{\bar{N}}(2N+2393-B_{\bar{N}}(2N+2390))$$

$$= B_{\bar{N}}(2N+2393-(2N-303)) + B_{\bar{N}}(2N+2393-(N+2748)) + B_{\bar{N}}(2N+2393-(2N+1987))$$

$$= B_{\bar{N}}(2696) + B_{\bar{N}}(N-355) + B_{\bar{N}}(406) = 2696 + (N-355) + 406 = N + 2747$$

$$(N \ge 2696)$$

$$B_{\bar{N}}(2N+2394) = B_{\bar{N}}(2N+2394-B_{\bar{N}}(2N+2393)) + B_{\bar{N}}(2N+2394-B_{\bar{N}}(2N+2392)) + B_{\bar{N}}(2N+2394-B_{\bar{N}}(2N+2391))$$

$$= B_{\bar{N}}(2N+2394-(N+2747)) + B_{\bar{N}}(2N+2394-(2N-303)) + B_{\bar{N}}(2N+2394-(N+2748))$$

$$= B_{\bar{N}}(N-353) + B_{\bar{N}}(2697) + B_{\bar{N}}(N-354) = (N-353) + 2697 + (N-354) = 2N + 1990$$

$$(N \ge 2697)$$

$$B_{\bar{N}}(2N+2395) = B_{\bar{N}}(2N+2395-B_{\bar{N}}(2N+2394)) + B_{\bar{N}}(2N+2395-B_{\bar{N}}(2N+2393)) + B_{\bar{N}}(2N+2395-B_{\bar{N}}(2N+2392))$$

$$= B_{\bar{N}}(2N+2395-(2N+1990)) + B_{\bar{N}}(2N+2395-(N+2747)) + B_{\bar{N}}(2N+2395-(2N-303))$$

$$= B_{\bar{N}}(405) + B_{\bar{N}}(N-352) + B_{\bar{N}}(2698) = 405 + (N-352) + 2698 = N + 2751$$

$$(N \ge 2698)$$

$$B_{\bar{N}}(2N+2396) = B_{\bar{N}}(2N+2396-B_{\bar{N}}(2N+2395)) + B_{\bar{N}}(2N+2396-B_{\bar{N}}(2N+2394)) + B_{\bar{N}}(2N+2396-B_{\bar{N}}(2N+2393))$$

$$= B_{\bar{N}}(2N+2396-(N+2751)) + B_{\bar{N}}(2N+2396-(2N+1990)) + B_{\bar{N}}(2N+2396-(N+2747))$$

$$= B_{\bar{N}}(N-355) + B_{\bar{N}}(406) + B_{\bar{N}}(N-351) = (N-355) + 406 + (N-351) = 2N-300$$

$$(N \ge 406)$$

$$B_{\bar{N}}(2N+2397) = B_{\bar{N}}(2N+2397 - B_{\bar{N}}(2N+2396)) + B_{\bar{N}}(2N+2397 - B_{\bar{N}}(2N+2395)) + B_{\bar{N}}(2N+2397 - B_{\bar{N}}(2N+2394))$$

$$= B_{\bar{N}}(2N+2397 - (2N-300)) + B_{\bar{N}}(2N+2397 - (N+2751)) + B_{\bar{N}}(2N+2397 - (2N+1990))$$

$$= B_{\bar{N}}(2697) + B_{\bar{N}}(N-354) + B_{\bar{N}}(407) = 2697 + (N-354) + 407 = N + 2750$$

$$(N \ge 2697)$$

$$B_{\bar{N}}(2N+2398) = B_{\bar{N}}(2N+2398-B_{\bar{N}}(2N+2397)) + B_{\bar{N}}(2N+2398-B_{\bar{N}}(2N+2396)) + B_{\bar{N}}(2N+2398-B_{\bar{N}}(2N+2395))$$

$$= B_{\bar{N}}(2N+2398-(N+2750)) + B_{\bar{N}}(2N+2398-(2N-300)) + B_{\bar{N}}(2N+2398-(N+2751))$$

$$= B_{\bar{N}}(N-352) + B_{\bar{N}}(2698) + B_{\bar{N}}(N-353) = (N-352) + 2698 + (N-353) = 2N + 1993$$

$$(N \ge 2698)$$

$$B_{\bar{N}}(2N+2399) = B_{\bar{N}}(2N+2399 - B_{\bar{N}}(2N+2398)) + B_{\bar{N}}(2N+2399 - B_{\bar{N}}(2N+2397)) + B_{\bar{N}}(2N+2399 - B_{\bar{N}}(2N+2396))$$

$$= B_{\bar{N}}(2N+2399 - (2N+1993)) + B_{\bar{N}}(2N+2399 - (N+2750)) + B_{\bar{N}}(2N+2399 - (2N-300))$$

$$= B_{\bar{N}}(406) + B_{\bar{N}}(N-351) + B_{\bar{N}}(2699) = 406 + (N-351) + 2699 = N + 2754$$

$$(N \ge 2699)$$

$$B_{\bar{N}}(2N+2400) = B_{\bar{N}}(2N+2400-B_{\bar{N}}(2N+2399)) + B_{\bar{N}}(2N+2400-B_{\bar{N}}(2N+2398)) + B_{\bar{N}}(2N+2400-B_{\bar{N}}(2N+2397))$$

$$= B_{\bar{N}}(2N+2400-(N+2754)) + B_{\bar{N}}(2N+2400-(2N+1993)) + B_{\bar{N}}(2N+2400-(N+2750))$$

$$= B_{\bar{N}}(N-354) + B_{\bar{N}}(407) + B_{\bar{N}}(N-350) = (N-354) + 407 + (N-350) = 2N-297$$

$$(N \ge 407)$$

$$B_{\bar{N}}(2N+2401) = B_{\bar{N}}(2N+2401-B_{\bar{N}}(2N+2400)) + B_{\bar{N}}(2N+2401-B_{\bar{N}}(2N+2399)) + B_{\bar{N}}(2N+2401-B_{\bar{N}}(2N+2398))$$

$$= B_{\bar{N}}(2N+2401-(2N-297)) + B_{\bar{N}}(2N+2401-(N+2754)) + B_{\bar{N}}(2N+2401-(2N+1993))$$

$$= B_{\bar{N}}(2698) + B_{\bar{N}}(N-353) + B_{\bar{N}}(408) = 2698 + (N-353) + 408 = N + 2753$$

$$(N \ge 2698)$$

$$B_{\bar{N}}(2N+2402) = B_{\bar{N}}(2N+2402 - B_{\bar{N}}(2N+2401)) + B_{\bar{N}}(2N+2402 - B_{\bar{N}}(2N+2400)) + B_{\bar{N}}(2N+2402 - B_{\bar{N}}(2N+2399))$$

$$= B_{\bar{N}}(2N+2402 - (N+2753)) + B_{\bar{N}}(2N+2402 - (2N-297)) + B_{\bar{N}}(2N+2402 - (N+2754))$$

$$= B_{\bar{N}}(N-351) + B_{\bar{N}}(2699) + B_{\bar{N}}(N-352) = (N-351) + 2699 + (N-352) = 2N + 1996$$

$$(N \ge 2699)$$

$$B_{\bar{N}}(2N+2403) = B_{\bar{N}}(2N+2403 - B_{\bar{N}}(2N+2402)) + B_{\bar{N}}(2N+2403 - B_{\bar{N}}(2N+2401)) + B_{\bar{N}}(2N+2403 - B_{\bar{N}}(2N+2400))$$

$$= B_{\bar{N}}(2N+2403 - (2N+1996)) + B_{\bar{N}}(2N+2403 - (N+2753)) + B_{\bar{N}}(2N+2403 - (2N-297))$$

$$= B_{\bar{N}}(407) + B_{\bar{N}}(N-350) + B_{\bar{N}}(2700) = 407 + (N-350) + 2700 = N + 2757$$

$$(N \ge 2700)$$

$$B_{\bar{N}}(2N+2404) = B_{\bar{N}}(2N+2404-B_{\bar{N}}(2N+2403)) + B_{\bar{N}}(2N+2404-B_{\bar{N}}(2N+2402)) + B_{\bar{N}}(2N+2404-B_{\bar{N}}(2N+2401))$$

$$= B_{\bar{N}}(2N+2404-(N+2757)) + B_{\bar{N}}(2N+2404-(2N+1996)) + B_{\bar{N}}(2N+2404-(N+2753))$$

$$= B_{\bar{N}}(N-353) + B_{\bar{N}}(408) + B_{\bar{N}}(N-349) = (N-353) + 408 + (N-349) = 2N-294$$

$$(N \ge 408)$$

$$\begin{split} B_{\bar{N}}(2N+2405) &= B_{\bar{N}}(2N+2405-B_{\bar{N}}(2N+2404)) + B_{\bar{N}}(2N+2405-B_{\bar{N}}(2N+2403)) + B_{\bar{N}}(2N+2405-B_{\bar{N}}(2N+2402)) \\ &= B_{\bar{N}}(2N+2405-(2N-294)) + B_{\bar{N}}(2N+2405-(N+2757)) + B_{\bar{N}}(2N+2405-(2N+1996)) \\ &= B_{\bar{N}}(2699) + B_{\bar{N}}(N-352) + B_{\bar{N}}(409) = 2699 + (N-352) + 409 = N + 2756 \\ &(N \geq 2699) \end{split}$$

$$B_{\bar{N}}(2N+2406) = B_{\bar{N}}(2N+2406-B_{\bar{N}}(2N+2405)) + B_{\bar{N}}(2N+2406-B_{\bar{N}}(2N+2404)) + B_{\bar{N}}(2N+2406-B_{\bar{N}}(2N+2406))$$

$$= B_{\bar{N}}(2N+2406-(N+2756)) + B_{\bar{N}}(2N+2406-(2N-294)) + B_{\bar{N}}(2N+2406-(N+2757))$$

$$= B_{\bar{N}}(N-350) + B_{\bar{N}}(2700) + B_{\bar{N}}(N-351) = (N-350) + 2700 + (N-351) = 2N + 1999$$

$$(N > 2700)$$

$$B_{\bar{N}}(2N+2407) = B_{\bar{N}}(2N+2407 - B_{\bar{N}}(2N+2406)) + B_{\bar{N}}(2N+2407 - B_{\bar{N}}(2N+2405)) + B_{\bar{N}}(2N+2407 - B_{\bar{N}}(2N+2404))$$

$$= B_{\bar{N}}(2N+2407 - (2N+1999)) + B_{\bar{N}}(2N+2407 - (N+2756)) + B_{\bar{N}}(2N+2407 - (2N-294))$$

$$= B_{\bar{N}}(408) + B_{\bar{N}}(N-349) + B_{\bar{N}}(2701) = 408 + (N-349) + 2701 = N + 2760$$

$$(N \ge 2701)$$

$$B_{\bar{N}}(2N+2408) = B_{\bar{N}}(2N+2408-B_{\bar{N}}(2N+2407)) + B_{\bar{N}}(2N+2408-B_{\bar{N}}(2N+2406)) + B_{\bar{N}}(2N+2408-B_{\bar{N}}(2N+2405))$$

$$= B_{\bar{N}}(2N+2408-(N+2760)) + B_{\bar{N}}(2N+2408-(2N+1999)) + B_{\bar{N}}(2N+2408-(N+2756))$$

$$= B_{\bar{N}}(N-352) + B_{\bar{N}}(409) + B_{\bar{N}}(N-348) = (N-352) + 409 + (N-348) = 2N-291$$

$$(N \ge 409)$$

$$B_{\bar{N}}(2N+2409) = B_{\bar{N}}(2N+2409 - B_{\bar{N}}(2N+2408)) + B_{\bar{N}}(2N+2409 - B_{\bar{N}}(2N+2407)) + B_{\bar{N}}(2N+2409 - B_{\bar{N}}(2N+2409))$$

$$= B_{\bar{N}}(2N+2409 - (2N-291)) + B_{\bar{N}}(2N+2409 - (N+2760)) + B_{\bar{N}}(2N+2409 - (2N+1999))$$

$$= B_{\bar{N}}(2700) + B_{\bar{N}}(N-351) + B_{\bar{N}}(410) = 2700 + (N-351) + 410 = N + 2759$$

$$(N \ge 2700)$$

$$B_{\bar{N}}(2N+2410) = B_{\bar{N}}(2N+2410-B_{\bar{N}}(2N+2409)) + B_{\bar{N}}(2N+2410-B_{\bar{N}}(2N+2408)) + B_{\bar{N}}(2N+2410-B_{\bar{N}}(2N+2407))$$

$$= B_{\bar{N}}(2N+2410-(N+2759)) + B_{\bar{N}}(2N+2410-(2N-291)) + B_{\bar{N}}(2N+2410-(N+2760))$$

$$= B_{\bar{N}}(N-349) + B_{\bar{N}}(2701) + B_{\bar{N}}(N-350) = (N-349) + 2701 + (N-350) = 2N + 2002$$

$$(N \ge 2701)$$

$$B_{\bar{N}}(2N+2411) = B_{\bar{N}}(2N+2411 - B_{\bar{N}}(2N+2410)) + B_{\bar{N}}(2N+2411 - B_{\bar{N}}(2N+2409)) + B_{\bar{N}}(2N+2411 - B_{\bar{N}}(2N+2408))$$

$$= B_{\bar{N}}(2N+2411 - (2N+2002)) + B_{\bar{N}}(2N+2411 - (N+2759)) + B_{\bar{N}}(2N+2411 - (2N-291))$$

$$= B_{\bar{N}}(409) + B_{\bar{N}}(N-348) + B_{\bar{N}}(2702) = 409 + (N-348) + 2702 = N + 2763$$

$$(N \ge 2702)$$

$$B_{\bar{N}}(2N+2412) = B_{\bar{N}}(2N+2412-B_{\bar{N}}(2N+2411)) + B_{\bar{N}}(2N+2412-B_{\bar{N}}(2N+2410)) + B_{\bar{N}}(2N+2412-B_{\bar{N}}(2N+2409))$$

$$= B_{\bar{N}}(2N+2412-(N+2763)) + B_{\bar{N}}(2N+2412-(2N+2002)) + B_{\bar{N}}(2N+2412-(N+2759))$$

$$= B_{\bar{N}}(N-351) + B_{\bar{N}}(410) + B_{\bar{N}}(N-347) = (N-351) + 410 + (N-347) = 2N-288$$

$$(N \ge 410)$$

$$\begin{split} B_{\bar{N}}(2N+2413) &= B_{\bar{N}}(2N+2413-B_{\bar{N}}(2N+2412)) + B_{\bar{N}}(2N+2413-B_{\bar{N}}(2N+2411)) + B_{\bar{N}}(2N+2413-B_{\bar{N}}(2N+2410)) \\ &= B_{\bar{N}}(2N+2413-(2N-288)) + B_{\bar{N}}(2N+2413-(N+2763)) + B_{\bar{N}}(2N+2413-(2N+2002)) \\ &= B_{\bar{N}}(2701) + B_{\bar{N}}(N-350) + B_{\bar{N}}(411) = 2701 + (N-350) + 411 = N + 2762 \\ &(N \geq 2701) \end{split}$$

$$B_{\bar{N}}(2N+2414) = B_{\bar{N}}(2N+2414-B_{\bar{N}}(2N+2413)) + B_{\bar{N}}(2N+2414-B_{\bar{N}}(2N+2412)) + B_{\bar{N}}(2N+2414-B_{\bar{N}}(2N+2411))$$

$$= B_{\bar{N}}(2N+2414-(N+2762)) + B_{\bar{N}}(2N+2414-(2N-288)) + B_{\bar{N}}(2N+2414-(N+2763))$$

$$= B_{\bar{N}}(N-348) + B_{\bar{N}}(2702) + B_{\bar{N}}(N-349) = (N-348) + 2702 + (N-349) = 2N + 2005$$

$$(N \ge 2702)$$

$$B_{\bar{N}}(2N+2415) = B_{\bar{N}}(2N+2415-B_{\bar{N}}(2N+2414)) + B_{\bar{N}}(2N+2415-B_{\bar{N}}(2N+2413)) + B_{\bar{N}}(2N+2415-B_{\bar{N}}(2N+2412))$$

$$= B_{\bar{N}}(2N+2415-(2N+2005)) + B_{\bar{N}}(2N+2415-(N+2762)) + B_{\bar{N}}(2N+2415-(2N-288))$$

$$= B_{\bar{N}}(410) + B_{\bar{N}}(N-347) + B_{\bar{N}}(2703) = 410 + (N-347) + 2703 = N + 2766$$

$$(N \ge 2703)$$

$$B_{\bar{N}}(2N+2416) = B_{\bar{N}}(2N+2416-B_{\bar{N}}(2N+2415)) + B_{\bar{N}}(2N+2416-B_{\bar{N}}(2N+2414)) + B_{\bar{N}}(2N+2416-B_{\bar{N}}(2N+2413))$$

$$= B_{\bar{N}}(2N+2416-(N+2766)) + B_{\bar{N}}(2N+2416-(2N+2005)) + B_{\bar{N}}(2N+2416-(N+2762))$$

$$= B_{\bar{N}}(N-350) + B_{\bar{N}}(411) + B_{\bar{N}}(N-346) = (N-350) + 411 + (N-346) = 2N-285$$

$$(N \ge 411)$$

$$B_{\bar{N}}(2N+2417) = B_{\bar{N}}(2N+2417 - B_{\bar{N}}(2N+2416)) + B_{\bar{N}}(2N+2417 - B_{\bar{N}}(2N+2415)) + B_{\bar{N}}(2N+2417 - B_{\bar{N}}(2N+2414))$$

$$= B_{\bar{N}}(2N+2417 - (2N-285)) + B_{\bar{N}}(2N+2417 - (N+2766)) + B_{\bar{N}}(2N+2417 - (2N+2005))$$

$$= B_{\bar{N}}(2702) + B_{\bar{N}}(N-349) + B_{\bar{N}}(412) = 2702 + (N-349) + 412 = N + 2765$$

$$(N > 2702)$$

$$B_{\bar{N}}(2N+2418) = B_{\bar{N}}(2N+2418-B_{\bar{N}}(2N+2417)) + B_{\bar{N}}(2N+2418-B_{\bar{N}}(2N+2416)) + B_{\bar{N}}(2N+2418-B_{\bar{N}}(2N+2415))$$

$$= B_{\bar{N}}(2N+2418-(N+2765)) + B_{\bar{N}}(2N+2418-(2N-285)) + B_{\bar{N}}(2N+2418-(N+2766))$$

$$= B_{\bar{N}}(N-347) + B_{\bar{N}}(2703) + B_{\bar{N}}(N-348) = (N-347) + 2703 + (N-348) = 2N + 2008$$

$$(N \ge 2703)$$

$$B_{\bar{N}}(2N+2419) = B_{\bar{N}}(2N+2419 - B_{\bar{N}}(2N+2418)) + B_{\bar{N}}(2N+2419 - B_{\bar{N}}(2N+2417)) + B_{\bar{N}}(2N+2419 - B_{\bar{N}}(2N+2419))$$

$$= B_{\bar{N}}(2N+2419 - (2N+2008)) + B_{\bar{N}}(2N+2419 - (N+2765)) + B_{\bar{N}}(2N+2419 - (2N-285))$$

$$= B_{\bar{N}}(411) + B_{\bar{N}}(N-346) + B_{\bar{N}}(2704) = 411 + (N-346) + 2704 = N + 2769$$

$$(N \ge 2704)$$

$$B_{\bar{N}}(2N+2420) = B_{\bar{N}}(2N+2420-B_{\bar{N}}(2N+2419)) + B_{\bar{N}}(2N+2420-B_{\bar{N}}(2N+2418)) + B_{\bar{N}}(2N+2420-B_{\bar{N}}(2N+2417))$$

$$= B_{\bar{N}}(2N+2420-(N+2769)) + B_{\bar{N}}(2N+2420-(2N+2008)) + B_{\bar{N}}(2N+2420-(N+2765))$$

$$= B_{\bar{N}}(N-349) + B_{\bar{N}}(412) + B_{\bar{N}}(N-345) = (N-349) + 412 + (N-345) = 2N-282$$

$$(N \ge 412)$$

$$B_{\bar{N}}(2N+2421) = B_{\bar{N}}(2N+2421 - B_{\bar{N}}(2N+2420)) + B_{\bar{N}}(2N+2421 - B_{\bar{N}}(2N+2419)) + B_{\bar{N}}(2N+2421 - B_{\bar{N}}(2N+2418))$$

$$= B_{\bar{N}}(2N+2421 - (2N-282)) + B_{\bar{N}}(2N+2421 - (N+2769)) + B_{\bar{N}}(2N+2421 - (2N+2008))$$

$$= B_{\bar{N}}(2703) + B_{\bar{N}}(N-348) + B_{\bar{N}}(413) = 2703 + (N-348) + 413 = N + 2768$$

$$(N \ge 2703)$$

$$B_{\bar{N}}(2N+2422) = B_{\bar{N}}(2N+2422-B_{\bar{N}}(2N+2421)) + B_{\bar{N}}(2N+2422-B_{\bar{N}}(2N+2420)) + B_{\bar{N}}(2N+2422-B_{\bar{N}}(2N+2419))$$

$$= B_{\bar{N}}(2N+2422-(N+2768)) + B_{\bar{N}}(2N+2422-(2N-282)) + B_{\bar{N}}(2N+2422-(N+2769))$$

$$= B_{\bar{N}}(N-346) + B_{\bar{N}}(2704) + B_{\bar{N}}(N-347) = (N-346) + 2704 + (N-347) = 2N + 2011$$

$$(N \ge 2704)$$

$$B_{\bar{N}}(2N+2423) = B_{\bar{N}}(2N+2423-B_{\bar{N}}(2N+2422)) + B_{\bar{N}}(2N+2423-B_{\bar{N}}(2N+2421)) + B_{\bar{N}}(2N+2423-B_{\bar{N}}(2N+2423))$$

$$= B_{\bar{N}}(2N+2423-(2N+2011)) + B_{\bar{N}}(2N+2423-(N+2768)) + B_{\bar{N}}(2N+2423-(2N-282))$$

$$= B_{\bar{N}}(412) + B_{\bar{N}}(N-345) + B_{\bar{N}}(2705) = 412 + (N-345) + 2705 = N + 2772$$

$$(N \ge 2705)$$

$$B_{\bar{N}}(2N+2424) = B_{\bar{N}}(2N+2424-B_{\bar{N}}(2N+2423)) + B_{\bar{N}}(2N+2424-B_{\bar{N}}(2N+2422)) + B_{\bar{N}}(2N+2424-B_{\bar{N}}(2N+2421))$$

$$= B_{\bar{N}}(2N+2424-(N+2772)) + B_{\bar{N}}(2N+2424-(2N+2011)) + B_{\bar{N}}(2N+2424-(N+2768))$$

$$= B_{\bar{N}}(N-348) + B_{\bar{N}}(413) + B_{\bar{N}}(N-344) = (N-348) + 413 + (N-344) = 2N-279$$

$$(N \ge 413)$$

$$B_{\bar{N}}(2N+2425) = B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2424)) + B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2423)) + B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2N+2425-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2426) = B_{\bar{N}}(2N+2426-B_{\bar{N}}(2N+2425)) + B_{\bar{N}}(2N+2426-B_{\bar{N}}(2N+2424)) + B_{\bar{N}}(2N+2426-B_{\bar{N}}(2N+2426))$$

$$= B_{\bar{N}}(2N+2426-(N+2771)) + B_{\bar{N}}(2N+2426-(2N-279)) + B_{\bar{N}}(2N+2426-(N+2772))$$

$$= B_{\bar{N}}(N-345) + B_{\bar{N}}(2705) + B_{\bar{N}}(N-346) = (N-345) + 2705 + (N-346) = 2N + 2014$$

$$(N > 2705)$$

$$B_{\bar{N}}(2N+2427) = B_{\bar{N}}(2N+2427-B_{\bar{N}}(2N+2426)) + B_{\bar{N}}(2N+2427-B_{\bar{N}}(2N+2425)) + B_{\bar{N}}(2N+2427-B_{\bar{N}}(2N+2424))$$

$$= B_{\bar{N}}(2N+2427-(2N+2014)) + B_{\bar{N}}(2N+2427-(N+2771)) + B_{\bar{N}}(2N+2427-(2N-279))$$

$$= B_{\bar{N}}(413) + B_{\bar{N}}(N-344) + B_{\bar{N}}(2706) = 413 + (N-344) + 2706 = N + 2775$$

$$(N \ge 2706)$$

$$B_{\bar{N}}(2N+2428) = B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2427)) + B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2426)) + B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2N+2428-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2429) = B_{\bar{N}}(2N+2429 - B_{\bar{N}}(2N+2428)) + B_{\bar{N}}(2N+2429 - B_{\bar{N}}(2N+2427)) + B_{\bar{N}}(2N+2429 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2430) = B_{\bar{N}}(2N+2430-B_{\bar{N}}(2N+2429)) + B_{\bar{N}}(2N+2430-B_{\bar{N}}(2N+2428)) + B_{\bar{N}}(2N+2430-B_{\bar{N}}(2N+2427))$$

$$= B_{\bar{N}}(2N+2430-(N+2774)) + B_{\bar{N}}(2N+2430-(2N-276)) + B_{\bar{N}}(2N+2430-(N+2775))$$

$$= B_{\bar{N}}(N-344) + B_{\bar{N}}(2706) + B_{\bar{N}}(N-345) = (N-344) + 2706 + (N-345) = 2N + 2017$$

$$(N \ge 2706)$$

$$B_{\bar{N}}(2N+2431) = B_{\bar{N}}(2N+2431 - B_{\bar{N}}(2N+2430)) + B_{\bar{N}}(2N+2431 - B_{\bar{N}}(2N+2429)) + B_{\bar{N}}(2N+2431 - B_{\bar{N}}(2N+2428))$$

$$= B_{\bar{N}}(2N+2431 - (2N+2017)) + B_{\bar{N}}(2N+2431 - (N+2774)) + B_{\bar{N}}(2N+2431 - (2N-276))$$

$$= B_{\bar{N}}(414) + B_{\bar{N}}(N-343) + B_{\bar{N}}(2707) = 414 + (N-343) + 2707 = N + 2778$$

$$(N \ge 2707)$$

$$B_{\bar{N}}(2N+2432) = B_{\bar{N}}(2N+2432-B_{\bar{N}}(2N+2431)) + B_{\bar{N}}(2N+2432-B_{\bar{N}}(2N+2430)) + B_{\bar{N}}(2N+2432-B_{\bar{N}}(2N+2429))$$

$$= B_{\bar{N}}(2N+2432-(N+2778)) + B_{\bar{N}}(2N+2432-(2N+2017)) + B_{\bar{N}}(2N+2432-(N+2774))$$

$$= B_{\bar{N}}(N-346) + B_{\bar{N}}(415) + B_{\bar{N}}(N-342) = (N-346) + 415 + (N-342) = 2N-273$$

$$(N \ge 415)$$

$$B_{\bar{N}}(2N+2433) = B_{\bar{N}}(2N+2433-B_{\bar{N}}(2N+2432)) + B_{\bar{N}}(2N+2433-B_{\bar{N}}(2N+2431)) + B_{\bar{N}}(2N+2433-B_{\bar{N}}(2N+2430))$$

$$= B_{\bar{N}}(2N+2433-(2N-273)) + B_{\bar{N}}(2N+2433-(N+2778)) + B_{\bar{N}}(2N+2433-(2N+2017))$$

$$= B_{\bar{N}}(2706) + B_{\bar{N}}(N-345) + B_{\bar{N}}(416) = 2706 + (N-345) + 416 = N + 2777$$

$$(N \ge 2706)$$

$$B_{\bar{N}}(2N+2434) = B_{\bar{N}}(2N+2434-B_{\bar{N}}(2N+2433)) + B_{\bar{N}}(2N+2434-B_{\bar{N}}(2N+2432)) + B_{\bar{N}}(2N+2434-B_{\bar{N}}(2N+2431))$$

$$= B_{\bar{N}}(2N+2434-(N+2777)) + B_{\bar{N}}(2N+2434-(2N-273)) + B_{\bar{N}}(2N+2434-(N+2778))$$

$$= B_{\bar{N}}(N-343) + B_{\bar{N}}(2707) + B_{\bar{N}}(N-344) = (N-343) + 2707 + (N-344) = 2N + 2020$$

$$(N \ge 2707)$$

$$\begin{split} B_{\bar{N}}(2N+2435) &= B_{\bar{N}}(2N+2435-B_{\bar{N}}(2N+2434)) + B_{\bar{N}}(2N+2435-B_{\bar{N}}(2N+2433)) + B_{\bar{N}}(2N+2435-B_{\bar{N}}(2N+2432)) \\ &= B_{\bar{N}}(2N+2435-(2N+2020)) + B_{\bar{N}}(2N+2435-(N+2777)) + B_{\bar{N}}(2N+2435-(2N-273)) \\ &= B_{\bar{N}}(415) + B_{\bar{N}}(N-342) + B_{\bar{N}}(2708) = 415 + (N-342) + 2708 = N + 2781 \\ &(N \geq 2708) \end{split}$$

$$B_{\bar{N}}(2N+2436) = B_{\bar{N}}(2N+2436-B_{\bar{N}}(2N+2435)) + B_{\bar{N}}(2N+2436-B_{\bar{N}}(2N+2434)) + B_{\bar{N}}(2N+2436-B_{\bar{N}}(2N+2436))$$

$$= B_{\bar{N}}(2N+2436-(N+2781)) + B_{\bar{N}}(2N+2436-(2N+2020)) + B_{\bar{N}}(2N+2436-(N+2777))$$

$$= B_{\bar{N}}(N-345) + B_{\bar{N}}(416) + B_{\bar{N}}(N-341) = (N-345) + 416 + (N-341) = 2N-270$$

$$(N \ge 416)$$

$$B_{\bar{N}}(2N+2437) = B_{\bar{N}}(2N+2437 - B_{\bar{N}}(2N+2436)) + B_{\bar{N}}(2N+2437 - B_{\bar{N}}(2N+2435)) + B_{\bar{N}}(2N+2437 - B_{\bar{N}}(2N+2434))$$

$$= B_{\bar{N}}(2N+2437 - (2N-270)) + B_{\bar{N}}(2N+2437 - (N+2781)) + B_{\bar{N}}(2N+2437 - (2N+2020))$$

$$= B_{\bar{N}}(2707) + B_{\bar{N}}(N-344) + B_{\bar{N}}(417) = 2707 + (N-344) + 417 = N + 2780$$

$$(N \ge 2707)$$

$$B_{\bar{N}}(2N+2438) = B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2437)) + B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2436)) + B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2N+2438-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2439) = B_{\bar{N}}(2N+2439 - B_{\bar{N}}(2N+2438)) + B_{\bar{N}}(2N+2439 - B_{\bar{N}}(2N+2437)) + B_{\bar{N}}(2N+2439 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2440) = B_{\bar{N}}(2N+2440-B_{\bar{N}}(2N+2439)) + B_{\bar{N}}(2N+2440-B_{\bar{N}}(2N+2438)) + B_{\bar{N}}(2N+2440-B_{\bar{N}}(2N+2437))$$

$$= B_{\bar{N}}(2N+2440-(N+2784)) + B_{\bar{N}}(2N+2440-(2N+2023)) + B_{\bar{N}}(2N+2440-(N+2780))$$

$$= B_{\bar{N}}(N-344) + B_{\bar{N}}(417) + B_{\bar{N}}(N-340) = (N-344) + 417 + (N-340) = 2N-267$$

$$(N \ge 417)$$

$$B_{\bar{N}}(2N+2441) = B_{\bar{N}}(2N+2441-B_{\bar{N}}(2N+2440)) + B_{\bar{N}}(2N+2441-B_{\bar{N}}(2N+2439)) + B_{\bar{N}}(2N+2441-B_{\bar{N}}(2N+2438))$$

$$= B_{\bar{N}}(2N+2441-(2N-267)) + B_{\bar{N}}(2N+2441-(N+2784)) + B_{\bar{N}}(2N+2441-(2N+2023))$$

$$= B_{\bar{N}}(2708) + B_{\bar{N}}(N-343) + B_{\bar{N}}(418) = 2708 + (N-343) + 418 = N + 2783$$

$$(N \ge 2708)$$

$$B_{\bar{N}}(2N+2442) = B_{\bar{N}}(2N+2442-B_{\bar{N}}(2N+2441)) + B_{\bar{N}}(2N+2442-B_{\bar{N}}(2N+2440)) + B_{\bar{N}}(2N+2442-B_{\bar{N}}(2N+2439))$$

$$= B_{\bar{N}}(2N+2442-(N+2783)) + B_{\bar{N}}(2N+2442-(2N-267)) + B_{\bar{N}}(2N+2442-(N+2784))$$

$$= B_{\bar{N}}(N-341) + B_{\bar{N}}(2709) + B_{\bar{N}}(N-342) = (N-341) + 2709 + (N-342) = 2N + 2026$$

$$(N \ge 2709)$$

$$B_{\bar{N}}(2N+2443) = B_{\bar{N}}(2N+2443-B_{\bar{N}}(2N+2442)) + B_{\bar{N}}(2N+2443-B_{\bar{N}}(2N+2441)) + B_{\bar{N}}(2N+2443-B_{\bar{N}}(2N+2440))$$

$$= B_{\bar{N}}(2N+2443-(2N+2026)) + B_{\bar{N}}(2N+2443-(N+2783)) + B_{\bar{N}}(2N+2443-(2N-267))$$

$$= B_{\bar{N}}(417) + B_{\bar{N}}(N-340) + B_{\bar{N}}(2710) = 417 + (N-340) + 2710 = N + 2787$$

$$(N \ge 2710)$$

$$B_{\bar{N}}(2N+2444) = B_{\bar{N}}(2N+2444-B_{\bar{N}}(2N+2443)) + B_{\bar{N}}(2N+2444-B_{\bar{N}}(2N+2442)) + B_{\bar{N}}(2N+2444-B_{\bar{N}}(2N+2441))$$

$$= B_{\bar{N}}(2N+2444-(N+2787)) + B_{\bar{N}}(2N+2444-(2N+2026)) + B_{\bar{N}}(2N+2444-(N+2783))$$

$$= B_{\bar{N}}(N-343) + B_{\bar{N}}(418) + B_{\bar{N}}(N-339) = (N-343) + 418 + (N-339) = 2N-264$$

$$(N \ge 418)$$

$$B_{\bar{N}}(2N+2445) = B_{\bar{N}}(2N+2445-B_{\bar{N}}(2N+2444)) + B_{\bar{N}}(2N+2445-B_{\bar{N}}(2N+2443)) + B_{\bar{N}}(2N+2445-B_{\bar{N}}(2N+2445-B_{\bar{N}}(2N+2445))$$

$$= B_{\bar{N}}(2N+2445-(2N-264)) + B_{\bar{N}}(2N+2445-(N+2787)) + B_{\bar{N}}(2N+2445-(2N+2026))$$

$$= B_{\bar{N}}(2709) + B_{\bar{N}}(N-342) + B_{\bar{N}}(419) = 2709 + (N-342) + 419 = N + 2786$$

$$(N \ge 2709)$$

$$B_{\bar{N}}(2N+2446) = B_{\bar{N}}(2N+2446-B_{\bar{N}}(2N+2445)) + B_{\bar{N}}(2N+2446-B_{\bar{N}}(2N+2444)) + B_{\bar{N}}(2N+2446-B_{\bar{N}}(2N+2443))$$

$$= B_{\bar{N}}(2N+2446-(N+2786)) + B_{\bar{N}}(2N+2446-(2N-264)) + B_{\bar{N}}(2N+2446-(N+2787))$$

$$= B_{\bar{N}}(N-340) + B_{\bar{N}}(2710) + B_{\bar{N}}(N-341) = (N-340) + 2710 + (N-341) = 2N + 2029$$

$$(N \ge 2710)$$

$$B_{\bar{N}}(2N+2447) = B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2446)) + B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2445)) + B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2N+2447-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2448) = B_{\bar{N}}(2N+2448-B_{\bar{N}}(2N+2447)) + B_{\bar{N}}(2N+2448-B_{\bar{N}}(2N+2446)) + B_{\bar{N}}(2N+2448-B_{\bar{N}}(2N+2445))$$

$$= B_{\bar{N}}(2N+2448-(N+2790)) + B_{\bar{N}}(2N+2448-(2N+2029)) + B_{\bar{N}}(2N+2448-(N+2786))$$

$$= B_{\bar{N}}(N-342) + B_{\bar{N}}(419) + B_{\bar{N}}(N-338) = (N-342) + 419 + (N-338) = 2N-261$$

$$(N \ge 419)$$

$$B_{\bar{N}}(2N+2449) = B_{\bar{N}}(2N+2449 - B_{\bar{N}}(2N+2448)) + B_{\bar{N}}(2N+2449 - B_{\bar{N}}(2N+2447)) + B_{\bar{N}}(2N+2449 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2450) = B_{\bar{N}}(2N+2450 - B_{\bar{N}}(2N+2449)) + B_{\bar{N}}(2N+2450 - B_{\bar{N}}(2N+2448)) + B_{\bar{N}}(2N+2450 - B_{\bar{N}}(2N+2447))$$

$$= B_{\bar{N}}(2N+2450 - (N+2789)) + B_{\bar{N}}(2N+2450 - (2N-261)) + B_{\bar{N}}(2N+2450 - (N+2790))$$

$$= B_{\bar{N}}(N-339) + B_{\bar{N}}(2711) + B_{\bar{N}}(N-340) = (N-339) + 2711 + (N-340) = 2N + 2032$$

$$(N \ge 2711)$$

$$B_{\bar{N}}(2N+2451) = B_{\bar{N}}(2N+2451-B_{\bar{N}}(2N+2450)) + B_{\bar{N}}(2N+2451-B_{\bar{N}}(2N+2449)) + B_{\bar{N}}(2N+2451-B_{\bar{N}}(2N+2448))$$

$$= B_{\bar{N}}(2N+2451-(2N+2032)) + B_{\bar{N}}(2N+2451-(N+2789)) + B_{\bar{N}}(2N+2451-(2N-261))$$

$$= B_{\bar{N}}(419) + B_{\bar{N}}(N-338) + B_{\bar{N}}(2712) = 419 + (N-338) + 2712 = N + 2793$$

$$(N \ge 2712)$$

$$B_{\bar{N}}(2N+2452) = B_{\bar{N}}(2N+2452-B_{\bar{N}}(2N+2451)) + B_{\bar{N}}(2N+2452-B_{\bar{N}}(2N+2450)) + B_{\bar{N}}(2N+2452-B_{\bar{N}}(2N+2449))$$

$$= B_{\bar{N}}(2N+2452-(N+2793)) + B_{\bar{N}}(2N+2452-(2N+2032)) + B_{\bar{N}}(2N+2452-(N+2789))$$

$$= B_{\bar{N}}(N-341) + B_{\bar{N}}(420) + B_{\bar{N}}(N-337) = (N-341) + 420 + (N-337) = 2N-258$$

$$(N \ge 420)$$

$$B_{\bar{N}}(2N+2453) = B_{\bar{N}}(2N+2453-B_{\bar{N}}(2N+2452)) + B_{\bar{N}}(2N+2453-B_{\bar{N}}(2N+2451)) + B_{\bar{N}}(2N+2453-B_{\bar{N}}(2N+2450))$$

$$= B_{\bar{N}}(2N+2453-(2N-258)) + B_{\bar{N}}(2N+2453-(N+2793)) + B_{\bar{N}}(2N+2453-(2N+2032))$$

$$= B_{\bar{N}}(2711) + B_{\bar{N}}(N-340) + B_{\bar{N}}(421) = 2711 + (N-340) + 421 = N + 2792$$

$$(N \ge 2711)$$

$$B_{\bar{N}}(2N+2454) = B_{\bar{N}}(2N+2454-B_{\bar{N}}(2N+2453)) + B_{\bar{N}}(2N+2454-B_{\bar{N}}(2N+2452)) + B_{\bar{N}}(2N+2454-B_{\bar{N}}(2N+2451))$$

$$= B_{\bar{N}}(2N+2454-(N+2792)) + B_{\bar{N}}(2N+2454-(2N-258)) + B_{\bar{N}}(2N+2454-(N+2793))$$

$$= B_{\bar{N}}(N-338) + B_{\bar{N}}(2712) + B_{\bar{N}}(N-339) = (N-338) + 2712 + (N-339) = 2N + 2035$$

$$(N \ge 2712)$$

$$\begin{split} B_{\bar{N}}(2N+2455) &= B_{\bar{N}}(2N+2455-B_{\bar{N}}(2N+2454)) + B_{\bar{N}}(2N+2455-B_{\bar{N}}(2N+2453)) + B_{\bar{N}}(2N+2455-B_{\bar{N}}(2N+2452)) \\ &= B_{\bar{N}}(2N+2455-(2N+2035)) + B_{\bar{N}}(2N+2455-(N+2792)) + B_{\bar{N}}(2N+2455-(2N-258)) \\ &= B_{\bar{N}}(420) + B_{\bar{N}}(N-337) + B_{\bar{N}}(2713) = 420 + (N-337) + 2713 = N + 2796 \\ &(N \geq 2713) \end{split}$$

$$B_{\bar{N}}(2N+2456) = B_{\bar{N}}(2N+2456-B_{\bar{N}}(2N+2455)) + B_{\bar{N}}(2N+2456-B_{\bar{N}}(2N+2454)) + B_{\bar{N}}(2N+2456-B_{\bar{N}}(2N+2456)) = B_{\bar{N}}(2N+2456-(N+2796)) + B_{\bar{N}}(2N+2456-(2N+2035)) + B_{\bar{N}}(2N+2456-(N+2792)) = B_{\bar{N}}(N-340) + B_{\bar{N}}(421) + B_{\bar{N}}(N-336) = (N-340) + 421 + (N-336) = 2N-255 (N > 421)$$

$$B_{\bar{N}}(2N+2457) = B_{\bar{N}}(2N+2457 - B_{\bar{N}}(2N+2456)) + B_{\bar{N}}(2N+2457 - B_{\bar{N}}(2N+2457)) + B_{\bar{N}}(2N+2457 - B_{\bar{N}}(2N+2454))$$

$$= B_{\bar{N}}(2N+2457 - (2N-255)) + B_{\bar{N}}(2N+2457 - (N+2796)) + B_{\bar{N}}(2N+2457 - (2N+2035))$$

$$= B_{\bar{N}}(2712) + B_{\bar{N}}(N-339) + B_{\bar{N}}(422) = 2712 + (N-339) + 422 = N + 2795$$

$$(N \ge 2712)$$

$$B_{\bar{N}}(2N+2458) = B_{\bar{N}}(2N+2458-B_{\bar{N}}(2N+2457)) + B_{\bar{N}}(2N+2458-B_{\bar{N}}(2N+2456)) + B_{\bar{N}}(2N+2458-B_{\bar{N}}(2N+2458))$$

$$= B_{\bar{N}}(2N+2458-(N+2795)) + B_{\bar{N}}(2N+2458-(2N-255)) + B_{\bar{N}}(2N+2458-(N+2796))$$

$$= B_{\bar{N}}(N-337) + B_{\bar{N}}(2713) + B_{\bar{N}}(N-338) = (N-337) + 2713 + (N-338) = 2N + 2038$$

$$(N \ge 2713)$$

$$B_{\bar{N}}(2N+2459) = B_{\bar{N}}(2N+2459 - B_{\bar{N}}(2N+2458)) + B_{\bar{N}}(2N+2459 - B_{\bar{N}}(2N+2457)) + B_{\bar{N}}(2N+2459 - B_{\bar{N}}(2N+2459))$$

$$= B_{\bar{N}}(2N+2459 - (2N+2038)) + B_{\bar{N}}(2N+2459 - (N+2795)) + B_{\bar{N}}(2N+2459 - (2N-255))$$

$$= B_{\bar{N}}(421) + B_{\bar{N}}(N-336) + B_{\bar{N}}(2714) = 421 + (N-336) + 2714 = N + 2799$$

$$(N \ge 2714)$$

$$B_{\bar{N}}(2N+2460) = B_{\bar{N}}(2N+2460 - B_{\bar{N}}(2N+2459)) + B_{\bar{N}}(2N+2460 - B_{\bar{N}}(2N+2458)) + B_{\bar{N}}(2N+2460 - B_{\bar{N}}(2N+2457))$$

$$= B_{\bar{N}}(2N+2460 - (N+2799)) + B_{\bar{N}}(2N+2460 - (2N+2038)) + B_{\bar{N}}(2N+2460 - (N+2795))$$

$$= B_{\bar{N}}(N-339) + B_{\bar{N}}(422) + B_{\bar{N}}(N-335) = (N-339) + 422 + (N-335) = 2N-252$$

$$(N \ge 422)$$

$$B_{\bar{N}}(2N+2461) = B_{\bar{N}}(2N+2461 - B_{\bar{N}}(2N+2460)) + B_{\bar{N}}(2N+2461 - B_{\bar{N}}(2N+2459)) + B_{\bar{N}}(2N+2461 - B_{\bar{N}}(2N+2458))$$

$$= B_{\bar{N}}(2N+2461 - (2N-252)) + B_{\bar{N}}(2N+2461 - (N+2799)) + B_{\bar{N}}(2N+2461 - (2N+2038))$$

$$= B_{\bar{N}}(2713) + B_{\bar{N}}(N-338) + B_{\bar{N}}(423) = 2713 + (N-338) + 423 = N + 2798$$

$$(N \ge 2713)$$

$$B_{\bar{N}}(2N+2462) = B_{\bar{N}}(2N+2462-B_{\bar{N}}(2N+2461)) + B_{\bar{N}}(2N+2462-B_{\bar{N}}(2N+2460)) + B_{\bar{N}}(2N+2462-B_{\bar{N}}(2N+2459))$$

$$= B_{\bar{N}}(2N+2462-(N+2798)) + B_{\bar{N}}(2N+2462-(2N-252)) + B_{\bar{N}}(2N+2462-(N+2799))$$

$$= B_{\bar{N}}(N-336) + B_{\bar{N}}(2714) + B_{\bar{N}}(N-337) = (N-336) + 2714 + (N-337) = 2N + 2041$$

$$(N \ge 2714)$$

$$B_{\bar{N}}(2N+2463) = B_{\bar{N}}(2N+2463-B_{\bar{N}}(2N+2462)) + B_{\bar{N}}(2N+2463-B_{\bar{N}}(2N+2461)) + B_{\bar{N}}(2N+2463-B_{\bar{N}}(2N+2460))$$

$$= B_{\bar{N}}(2N+2463-(2N+2041)) + B_{\bar{N}}(2N+2463-(N+2798)) + B_{\bar{N}}(2N+2463-(2N-252))$$

$$= B_{\bar{N}}(422) + B_{\bar{N}}(N-335) + B_{\bar{N}}(2715) = 422 + (N-335) + 2715 = N + 2802$$

$$(N \ge 2715)$$

$$B_{\bar{N}}(2N+2464) = B_{\bar{N}}(2N+2464-B_{\bar{N}}(2N+2463)) + B_{\bar{N}}(2N+2464-B_{\bar{N}}(2N+2462)) + B_{\bar{N}}(2N+2464-B_{\bar{N}}(2N+2461))$$

$$= B_{\bar{N}}(2N+2464-(N+2802)) + B_{\bar{N}}(2N+2464-(2N+2041)) + B_{\bar{N}}(2N+2464-(N+2798))$$

$$= B_{\bar{N}}(N-338) + B_{\bar{N}}(423) + B_{\bar{N}}(N-334) = (N-338) + 423 + (N-334) = 2N-249$$

$$(N \ge 423)$$

$$\begin{split} B_{\bar{N}}(2N+2465) &= B_{\bar{N}}(2N+2465-B_{\bar{N}}(2N+2464)) + B_{\bar{N}}(2N+2465-B_{\bar{N}}(2N+2463)) + B_{\bar{N}}(2N+2465-B_{\bar{N}}(2N+2462)) \\ &= B_{\bar{N}}(2N+2465-(2N-249)) + B_{\bar{N}}(2N+2465-(N+2802)) + B_{\bar{N}}(2N+2465-(2N+2041)) \\ &= B_{\bar{N}}(2714) + B_{\bar{N}}(N-337) + B_{\bar{N}}(424) = 2714 + (N-337) + 424 = N + 2801 \\ &(N \geq 2714) \end{split}$$

$$B_{\bar{N}}(2N+2466) = B_{\bar{N}}(2N+2466-B_{\bar{N}}(2N+2465)) + B_{\bar{N}}(2N+2466-B_{\bar{N}}(2N+2464)) + B_{\bar{N}}(2N+2466-B_{\bar{N}}(2N+2463))$$

$$= B_{\bar{N}}(2N+2466-(N+2801)) + B_{\bar{N}}(2N+2466-(2N-249)) + B_{\bar{N}}(2N+2466-(N+2802))$$

$$= B_{\bar{N}}(N-335) + B_{\bar{N}}(2715) + B_{\bar{N}}(N-336) = (N-335) + 2715 + (N-336) = 2N + 2044$$

$$(N \ge 2715)$$

$$B_{\bar{N}}(2N+2467) = B_{\bar{N}}(2N+2467 - B_{\bar{N}}(2N+2466)) + B_{\bar{N}}(2N+2467 - B_{\bar{N}}(2N+2465)) + B_{\bar{N}}(2N+2467 - B_{\bar{N}}(2N+2464))$$

$$= B_{\bar{N}}(2N+2467 - (2N+2044)) + B_{\bar{N}}(2N+2467 - (N+2801)) + B_{\bar{N}}(2N+2467 - (2N-249))$$

$$= B_{\bar{N}}(423) + B_{\bar{N}}(N-334) + B_{\bar{N}}(2716) = 423 + (N-334) + 2716 = N + 2805$$

$$(N \ge 2716)$$

$$B_{\bar{N}}(2N+2468) = B_{\bar{N}}(2N+2468-B_{\bar{N}}(2N+2467)) + B_{\bar{N}}(2N+2468-B_{\bar{N}}(2N+2466)) + B_{\bar{N}}(2N+2468-B_{\bar{N}}(2N+2465))$$

$$= B_{\bar{N}}(2N+2468-(N+2805)) + B_{\bar{N}}(2N+2468-(2N+2044)) + B_{\bar{N}}(2N+2468-(N+2801))$$

$$= B_{\bar{N}}(N-337) + B_{\bar{N}}(424) + B_{\bar{N}}(N-333) = (N-337) + 424 + (N-333) = 2N-246$$

$$(N \ge 424)$$

$$B_{\bar{N}}(2N+2469) = B_{\bar{N}}(2N+2469 - B_{\bar{N}}(2N+2468)) + B_{\bar{N}}(2N+2469 - B_{\bar{N}}(2N+2467)) + B_{\bar{N}}(2N+2469 - B_{\bar{N}}(2N+2469))$$

$$= B_{\bar{N}}(2N+2469 - (2N-246)) + B_{\bar{N}}(2N+2469 - (N+2805)) + B_{\bar{N}}(2N+2469 - (2N+2044))$$

$$= B_{\bar{N}}(2715) + B_{\bar{N}}(N-336) + B_{\bar{N}}(425) = 2715 + (N-336) + 425 = N + 2804$$

$$(N \ge 2715)$$

$$B_{\bar{N}}(2N+2470) = B_{\bar{N}}(2N+2470 - B_{\bar{N}}(2N+2469)) + B_{\bar{N}}(2N+2470 - B_{\bar{N}}(2N+2468)) + B_{\bar{N}}(2N+2470 - B_{\bar{N}}(2N+2467))$$

$$= B_{\bar{N}}(2N+2470 - (N+2804)) + B_{\bar{N}}(2N+2470 - (2N-246)) + B_{\bar{N}}(2N+2470 - (N+2805))$$

$$= B_{\bar{N}}(N-334) + B_{\bar{N}}(2716) + B_{\bar{N}}(N-335) = (N-334) + 2716 + (N-335) = 2N + 2047$$

$$(N \ge 2716)$$

$$B_{\bar{N}}(2N+2471) = B_{\bar{N}}(2N+2471 - B_{\bar{N}}(2N+2470)) + B_{\bar{N}}(2N+2471 - B_{\bar{N}}(2N+2469)) + B_{\bar{N}}(2N+2471 - B_{\bar{N}}(2N+2468))$$

$$= B_{\bar{N}}(2N+2471 - (2N+2047)) + B_{\bar{N}}(2N+2471 - (N+2804)) + B_{\bar{N}}(2N+2471 - (2N-246))$$

$$= B_{\bar{N}}(424) + B_{\bar{N}}(N-333) + B_{\bar{N}}(2717) = 424 + (N-333) + 2717 = N + 2808$$

$$(N \ge 2717)$$

$$B_{\bar{N}}(2N+2472) = B_{\bar{N}}(2N+2472-B_{\bar{N}}(2N+2471)) + B_{\bar{N}}(2N+2472-B_{\bar{N}}(2N+2470)) + B_{\bar{N}}(2N+2472-B_{\bar{N}}(2N+2469))$$

$$= B_{\bar{N}}(2N+2472-(N+2808)) + B_{\bar{N}}(2N+2472-(2N+2047)) + B_{\bar{N}}(2N+2472-(N+2804))$$

$$= B_{\bar{N}}(N-336) + B_{\bar{N}}(425) + B_{\bar{N}}(N-332) = (N-336) + 425 + (N-332) = 2N-243$$

$$(N \ge 425)$$

$$B_{\bar{N}}(2N+2473) = B_{\bar{N}}(2N+2473-B_{\bar{N}}(2N+2472)) + B_{\bar{N}}(2N+2473-B_{\bar{N}}(2N+2471)) + B_{\bar{N}}(2N+2473-B_{\bar{N}}(2N+2470))$$

$$= B_{\bar{N}}(2N+2473-(2N-243)) + B_{\bar{N}}(2N+2473-(N+2808)) + B_{\bar{N}}(2N+2473-(2N+2047))$$

$$= B_{\bar{N}}(2716) + B_{\bar{N}}(N-335) + B_{\bar{N}}(426) = 2716 + (N-335) + 426 = N + 2807$$

$$(N \ge 2716)$$

$$B_{\bar{N}}(2N+2474) = B_{\bar{N}}(2N+2474-B_{\bar{N}}(2N+2473)) + B_{\bar{N}}(2N+2474-B_{\bar{N}}(2N+2472)) + B_{\bar{N}}(2N+2474-B_{\bar{N}}(2N+2471))$$

$$= B_{\bar{N}}(2N+2474-(N+2807)) + B_{\bar{N}}(2N+2474-(2N-243)) + B_{\bar{N}}(2N+2474-(N+2808))$$

$$= B_{\bar{N}}(N-333) + B_{\bar{N}}(2717) + B_{\bar{N}}(N-334) = (N-333) + 2717 + (N-334) = 2N + 2050$$

$$(N \ge 2717)$$

$$\begin{split} B_{\bar{N}}(2N+2475) &= B_{\bar{N}}(2N+2475-B_{\bar{N}}(2N+2474)) + B_{\bar{N}}(2N+2475-B_{\bar{N}}(2N+2473)) + B_{\bar{N}}(2N+2475-B_{\bar{N}}(2N+2472)) \\ &= B_{\bar{N}}(2N+2475-(2N+2050)) + B_{\bar{N}}(2N+2475-(N+2807)) + B_{\bar{N}}(2N+2475-(2N-243)) \\ &= B_{\bar{N}}(425) + B_{\bar{N}}(N-332) + B_{\bar{N}}(2718) = 425 + (N-332) + 2718 = N + 2811 \\ &(N \geq 2718) \end{split}$$

$$B_{\bar{N}}(2N+2476) = B_{\bar{N}}(2N+2476 - B_{\bar{N}}(2N+2475)) + B_{\bar{N}}(2N+2476 - B_{\bar{N}}(2N+2474)) + B_{\bar{N}}(2N+2476 - B_{\bar{N}}(2N+2473))$$

$$= B_{\bar{N}}(2N+2476 - (N+2811)) + B_{\bar{N}}(2N+2476 - (2N+2050)) + B_{\bar{N}}(2N+2476 - (N+2807))$$

$$= B_{\bar{N}}(N-335) + B_{\bar{N}}(426) + B_{\bar{N}}(N-331) = (N-335) + 426 + (N-331) = 2N-240$$

$$(N \ge 426)$$

$$B_{\bar{N}}(2N+2477) = B_{\bar{N}}(2N+2477 - B_{\bar{N}}(2N+2476)) + B_{\bar{N}}(2N+2477 - B_{\bar{N}}(2N+2475)) + B_{\bar{N}}(2N+2477 - B_{\bar{N}}(2N+2474))$$

$$= B_{\bar{N}}(2N+2477 - (2N-240)) + B_{\bar{N}}(2N+2477 - (N+2811)) + B_{\bar{N}}(2N+2477 - (2N+2050))$$

$$= B_{\bar{N}}(2717) + B_{\bar{N}}(N-334) + B_{\bar{N}}(427) = 2717 + (N-334) + 427 = N + 2810$$

$$(N \ge 2717)$$

$$B_{\bar{N}}(2N+2478) = B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2477)) + B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2476)) + B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2N+2478-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2479) = B_{\bar{N}}(2N+2479 - B_{\bar{N}}(2N+2478)) + B_{\bar{N}}(2N+2479 - B_{\bar{N}}(2N+2477)) + B_{\bar{N}}(2N+2479 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2480) = B_{\bar{N}}(2N+2480 - B_{\bar{N}}(2N+2479)) + B_{\bar{N}}(2N+2480 - B_{\bar{N}}(2N+2478)) + B_{\bar{N}}(2N+2480 - B_{\bar{N}}(2N+2477))$$

$$= B_{\bar{N}}(2N+2480 - (N+2814)) + B_{\bar{N}}(2N+2480 - (2N+2053)) + B_{\bar{N}}(2N+2480 - (N+2810))$$

$$= B_{\bar{N}}(N-334) + B_{\bar{N}}(427) + B_{\bar{N}}(N-330) = (N-334) + 427 + (N-330) = 2N-237$$

$$(N \ge 427)$$

$$B_{\bar{N}}(2N+2481) = B_{\bar{N}}(2N+2481-B_{\bar{N}}(2N+2480)) + B_{\bar{N}}(2N+2481-B_{\bar{N}}(2N+2479)) + B_{\bar{N}}(2N+2481-B_{\bar{N}}(2N+2478))$$

$$= B_{\bar{N}}(2N+2481-(2N-237)) + B_{\bar{N}}(2N+2481-(N+2814)) + B_{\bar{N}}(2N+2481-(2N+2053))$$

$$= B_{\bar{N}}(2718) + B_{\bar{N}}(N-333) + B_{\bar{N}}(428) = 2718 + (N-333) + 428 = N + 2813$$

$$(N > 2718)$$

$$B_{\bar{N}}(2N+2482) = B_{\bar{N}}(2N+2482-B_{\bar{N}}(2N+2481)) + B_{\bar{N}}(2N+2482-B_{\bar{N}}(2N+2480)) + B_{\bar{N}}(2N+2482-B_{\bar{N}}(2N+2479))$$

$$= B_{\bar{N}}(2N+2482-(N+2813)) + B_{\bar{N}}(2N+2482-(2N-237)) + B_{\bar{N}}(2N+2482-(N+2814))$$

$$= B_{\bar{N}}(N-331) + B_{\bar{N}}(2719) + B_{\bar{N}}(N-332) = (N-331) + 2719 + (N-332) = 2N + 2056$$

$$(N \ge 2719)$$

$$B_{\bar{N}}(2N+2483) = B_{\bar{N}}(2N+2483-B_{\bar{N}}(2N+2482)) + B_{\bar{N}}(2N+2483-B_{\bar{N}}(2N+2481)) + B_{\bar{N}}(2N+2483-B_{\bar{N}}(2N+2480))$$

$$= B_{\bar{N}}(2N+2483-(2N+2056)) + B_{\bar{N}}(2N+2483-(N+2813)) + B_{\bar{N}}(2N+2483-(2N-237))$$

$$= B_{\bar{N}}(427) + B_{\bar{N}}(N-330) + B_{\bar{N}}(2720) = 427 + (N-330) + 2720 = N + 2817$$

$$(N \ge 2720)$$

$$B_{\bar{N}}(2N+2484) = B_{\bar{N}}(2N+2484-B_{\bar{N}}(2N+2483)) + B_{\bar{N}}(2N+2484-B_{\bar{N}}(2N+2482)) + B_{\bar{N}}(2N+2484-B_{\bar{N}}(2N+2481))$$

$$= B_{\bar{N}}(2N+2484-(N+2817)) + B_{\bar{N}}(2N+2484-(2N+2056)) + B_{\bar{N}}(2N+2484-(N+2813))$$

$$= B_{\bar{N}}(N-333) + B_{\bar{N}}(428) + B_{\bar{N}}(N-329) = (N-333) + 428 + (N-329) = 2N-234$$

$$(N \ge 428)$$

$$B_{\bar{N}}(2N+2485) = B_{\bar{N}}(2N+2485 - B_{\bar{N}}(2N+2484)) + B_{\bar{N}}(2N+2485 - B_{\bar{N}}(2N+2483)) + B_{\bar{N}}(2N+2485 - B_{\bar{N}}(2N+2482))$$

$$= B_{\bar{N}}(2N+2485 - (2N-234)) + B_{\bar{N}}(2N+2485 - (N+2817)) + B_{\bar{N}}(2N+2485 - (2N+2056))$$

$$= B_{\bar{N}}(2719) + B_{\bar{N}}(N-332) + B_{\bar{N}}(429) = 2719 + (N-332) + 429 = N + 2816$$

$$(N \ge 2719)$$

$$B_{\bar{N}}(2N+2486) = B_{\bar{N}}(2N+2486-B_{\bar{N}}(2N+2485)) + B_{\bar{N}}(2N+2486-B_{\bar{N}}(2N+2484)) + B_{\bar{N}}(2N+2486-B_{\bar{N}}(2N+2486))$$

$$= B_{\bar{N}}(2N+2486-(N+2816)) + B_{\bar{N}}(2N+2486-(2N-234)) + B_{\bar{N}}(2N+2486-(N+2817))$$

$$= B_{\bar{N}}(N-330) + B_{\bar{N}}(2720) + B_{\bar{N}}(N-331) = (N-330) + 2720 + (N-331) = 2N + 2059$$

$$(N > 2720)$$

$$B_{\bar{N}}(2N+2487) = B_{\bar{N}}(2N+2487-B_{\bar{N}}(2N+2486)) + B_{\bar{N}}(2N+2487-B_{\bar{N}}(2N+2485)) + B_{\bar{N}}(2N+2487-B_{\bar{N}}(2N+2484))$$

$$= B_{\bar{N}}(2N+2487-(2N+2059)) + B_{\bar{N}}(2N+2487-(N+2816)) + B_{\bar{N}}(2N+2487-(2N-234))$$

$$= B_{\bar{N}}(428) + B_{\bar{N}}(N-329) + B_{\bar{N}}(2721) = 428 + (N-329) + 2721 = N + 2820$$

$$(N \ge 2721)$$

$$B_{\bar{N}}(2N+2488) = B_{\bar{N}}(2N+2488-B_{\bar{N}}(2N+2487)) + B_{\bar{N}}(2N+2488-B_{\bar{N}}(2N+2486)) + B_{\bar{N}}(2N+2488-B_{\bar{N}}(2N+2485))$$

$$= B_{\bar{N}}(2N+2488-(N+2820)) + B_{\bar{N}}(2N+2488-(2N+2059)) + B_{\bar{N}}(2N+2488-(N+2816))$$

$$= B_{\bar{N}}(N-332) + B_{\bar{N}}(429) + B_{\bar{N}}(N-328) = (N-332) + 429 + (N-328) = 2N-231$$

$$(N \ge 429)$$

$$B_{\bar{N}}(2N+2489) = B_{\bar{N}}(2N+2489 - B_{\bar{N}}(2N+2488)) + B_{\bar{N}}(2N+2489 - B_{\bar{N}}(2N+2487)) + B_{\bar{N}}(2N+2489 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+2490) &= B_{\bar{N}}(2N+2490 - B_{\bar{N}}(2N+2489)) + B_{\bar{N}}(2N+2490 - B_{\bar{N}}(2N+2488)) + B_{\bar{N}}(2N+2490 - B_{\bar{N}}(2N+2487)) \\ &= B_{\bar{N}}(2N+2490 - (N+2819)) + B_{\bar{N}}(2N+2490 - (2N-231)) + B_{\bar{N}}(2N+2490 - (N+2820)) \\ &= B_{\bar{N}}(N-329) + B_{\bar{N}}(2721) + B_{\bar{N}}(N-330) = (N-329) + 2721 + (N-330) = 2N + 2062 \\ &(N \geq 2721) \end{split}$$

$$B_{\bar{N}}(2N+2491) = B_{\bar{N}}(2N+2491-B_{\bar{N}}(2N+2490)) + B_{\bar{N}}(2N+2491-B_{\bar{N}}(2N+2489)) + B_{\bar{N}}(2N+2491-B_{\bar{N}}(2N+2488))$$

$$= B_{\bar{N}}(2N+2491-(2N+2062)) + B_{\bar{N}}(2N+2491-(N+2819)) + B_{\bar{N}}(2N+2491-(2N-231))$$

$$= B_{\bar{N}}(429) + B_{\bar{N}}(N-328) + B_{\bar{N}}(2722) = 429 + (N-328) + 2722 = N + 2823$$

$$(N \ge 2722)$$

$$B_{\bar{N}}(2N+2492) = B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2491)) + B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2490)) + B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2N+2492-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2493) = B_{\bar{N}}(2N+2493-B_{\bar{N}}(2N+2492)) + B_{\bar{N}}(2N+2493-B_{\bar{N}}(2N+2491)) + B_{\bar{N}}(2N+2493-B_{\bar{N}}(2N+2490))$$

$$= B_{\bar{N}}(2N+2493-(2N-228)) + B_{\bar{N}}(2N+2493-(N+2823)) + B_{\bar{N}}(2N+2493-(2N+2062))$$

$$= B_{\bar{N}}(2721) + B_{\bar{N}}(N-330) + B_{\bar{N}}(431) = 2721 + (N-330) + 431 = N + 2822$$

$$(N \ge 2721)$$

$$B_{\bar{N}}(2N+2494) = B_{\bar{N}}(2N+2494-B_{\bar{N}}(2N+2493)) + B_{\bar{N}}(2N+2494-B_{\bar{N}}(2N+2492)) + B_{\bar{N}}(2N+2494-B_{\bar{N}}(2N+2491))$$

$$= B_{\bar{N}}(2N+2494-(N+2822)) + B_{\bar{N}}(2N+2494-(2N-228)) + B_{\bar{N}}(2N+2494-(N+2823))$$

$$= B_{\bar{N}}(N-328) + B_{\bar{N}}(2722) + B_{\bar{N}}(N-329) = (N-328) + 2722 + (N-329) = 2N + 2065$$

$$(N \ge 2722)$$

$$\begin{split} B_{\bar{N}}(2N+2495) &= B_{\bar{N}}(2N+2495-B_{\bar{N}}(2N+2494)) + B_{\bar{N}}(2N+2495-B_{\bar{N}}(2N+2493)) + B_{\bar{N}}(2N+2495-B_{\bar{N}}(2N+2492)) \\ &= B_{\bar{N}}(2N+2495-(2N+2065)) + B_{\bar{N}}(2N+2495-(N+2822)) + B_{\bar{N}}(2N+2495-(2N-228)) \\ &= B_{\bar{N}}(430) + B_{\bar{N}}(N-327) + B_{\bar{N}}(2723) = 430 + (N-327) + 2723 = N + 2826 \\ &(N \geq 2723) \end{split}$$

$$B_{\bar{N}}(2N+2496) = B_{\bar{N}}(2N+2496-B_{\bar{N}}(2N+2495)) + B_{\bar{N}}(2N+2496-B_{\bar{N}}(2N+2494)) + B_{\bar{N}}(2N+2496-B_{\bar{N}}(2N+2493))$$

$$= B_{\bar{N}}(2N+2496-(N+2826)) + B_{\bar{N}}(2N+2496-(2N+2065)) + B_{\bar{N}}(2N+2496-(N+2822))$$

$$= B_{\bar{N}}(N-330) + B_{\bar{N}}(431) + B_{\bar{N}}(N-326) = (N-330) + 431 + (N-326) = 2N-225$$

$$(N \ge 431)$$

$$B_{\bar{N}}(2N+2497) = B_{\bar{N}}(2N+2497-B_{\bar{N}}(2N+2496)) + B_{\bar{N}}(2N+2497-B_{\bar{N}}(2N+2495)) + B_{\bar{N}}(2N+2497-B_{\bar{N}}(2N+2494))$$

$$= B_{\bar{N}}(2N+2497-(2N-225)) + B_{\bar{N}}(2N+2497-(N+2826)) + B_{\bar{N}}(2N+2497-(2N+2065))$$

$$= B_{\bar{N}}(2722) + B_{\bar{N}}(N-329) + B_{\bar{N}}(432) = 2722 + (N-329) + 432 = N + 2825$$

$$(N \ge 2722)$$

$$B_{\bar{N}}(2N+2498) = B_{\bar{N}}(2N+2498-B_{\bar{N}}(2N+2497)) + B_{\bar{N}}(2N+2498-B_{\bar{N}}(2N+2496)) + B_{\bar{N}}(2N+2498-B_{\bar{N}}(2N+2495))$$

$$= B_{\bar{N}}(2N+2498-(N+2825)) + B_{\bar{N}}(2N+2498-(2N-225)) + B_{\bar{N}}(2N+2498-(N+2826))$$

$$= B_{\bar{N}}(N-327) + B_{\bar{N}}(2723) + B_{\bar{N}}(N-328) = (N-327) + 2723 + (N-328) = 2N + 2068$$

$$(N \ge 2723)$$

$$B_{\bar{N}}(2N+2499) = B_{\bar{N}}(2N+2499 - B_{\bar{N}}(2N+2498)) + B_{\bar{N}}(2N+2499 - B_{\bar{N}}(2N+2497)) + B_{\bar{N}}(2N+2499 - B_{\bar{N}}(2N+2496))$$

$$= B_{\bar{N}}(2N+2499 - (2N+2068)) + B_{\bar{N}}(2N+2499 - (N+2825)) + B_{\bar{N}}(2N+2499 - (2N-225))$$

$$= B_{\bar{N}}(431) + B_{\bar{N}}(N-326) + B_{\bar{N}}(2724) = 431 + (N-326) + 2724 = N + 2829$$

$$(N \ge 2724)$$

$$B_{\bar{N}}(2N+2500) = B_{\bar{N}}(2N+2500 - B_{\bar{N}}(2N+2499)) + B_{\bar{N}}(2N+2500 - B_{\bar{N}}(2N+2498)) + B_{\bar{N}}(2N+2500 - B_{\bar{N}}(2N+2497))$$

$$= B_{\bar{N}}(2N+2500 - (N+2829)) + B_{\bar{N}}(2N+2500 - (2N+2068)) + B_{\bar{N}}(2N+2500 - (N+2825))$$

$$= B_{\bar{N}}(N-329) + B_{\bar{N}}(432) + B_{\bar{N}}(N-325) = (N-329) + 432 + (N-325) = 2N-222$$

$$(N \ge 432)$$

$$B_{\bar{N}}(2N+2501) = B_{\bar{N}}(2N+2501-B_{\bar{N}}(2N+2500)) + B_{\bar{N}}(2N+2501-B_{\bar{N}}(2N+2499)) + B_{\bar{N}}(2N+2501-B_{\bar{N}}(2N+2498))$$

$$= B_{\bar{N}}(2N+2501-(2N-222)) + B_{\bar{N}}(2N+2501-(N+2829)) + B_{\bar{N}}(2N+2501-(2N+2068))$$

$$= B_{\bar{N}}(2723) + B_{\bar{N}}(N-328) + B_{\bar{N}}(433) = 2723 + (N-328) + 433 = N + 2828$$

$$(N \ge 2723)$$

$$B_{\bar{N}}(2N+2502) = B_{\bar{N}}(2N+2502-B_{\bar{N}}(2N+2501)) + B_{\bar{N}}(2N+2502-B_{\bar{N}}(2N+2500)) + B_{\bar{N}}(2N+2502-B_{\bar{N}}(2N+2499))$$

$$= B_{\bar{N}}(2N+2502-(N+2828)) + B_{\bar{N}}(2N+2502-(2N-222)) + B_{\bar{N}}(2N+2502-(N+2829))$$

$$= B_{\bar{N}}(N-326) + B_{\bar{N}}(2724) + B_{\bar{N}}(N-327) = (N-326) + 2724 + (N-327) = 2N + 2071$$

$$(N \ge 2724)$$

$$B_{\bar{N}}(2N+2503) = B_{\bar{N}}(2N+2503-B_{\bar{N}}(2N+2502)) + B_{\bar{N}}(2N+2503-B_{\bar{N}}(2N+2501)) + B_{\bar{N}}(2N+2503-B_{\bar{N}}(2N+2500)) + B_{\bar{N}}(2N+2503-(2N+2071)) + B_{\bar{N}}(2N+2503-(N+2828)) + B_{\bar{N}}(2N+2503-(2N-222)) \\ = B_{\bar{N}}(432) + B_{\bar{N}}(N-325) + B_{\bar{N}}(2725) = 432 + (N-325) + 2725 = N + 2832 \\ (N \ge 2725)$$

$$B_{\bar{N}}(2N+2504) = B_{\bar{N}}(2N+2504-B_{\bar{N}}(2N+2503)) + B_{\bar{N}}(2N+2504-B_{\bar{N}}(2N+2502)) + B_{\bar{N}}(2N+2504-B_{\bar{N}}(2N+2501))$$

$$= B_{\bar{N}}(2N+2504-(N+2832)) + B_{\bar{N}}(2N+2504-(2N+2071)) + B_{\bar{N}}(2N+2504-(N+2828))$$

$$= B_{\bar{N}}(N-328) + B_{\bar{N}}(433) + B_{\bar{N}}(N-324) = (N-328) + 433 + (N-324) = 2N-219$$

$$(N \ge 433)$$

$$\begin{split} B_{\bar{N}}(2N+2505) &= B_{\bar{N}}(2N+2505-B_{\bar{N}}(2N+2504)) + B_{\bar{N}}(2N+2505-B_{\bar{N}}(2N+2503)) + B_{\bar{N}}(2N+2505-B_{\bar{N}}(2N+2502)) \\ &= B_{\bar{N}}(2N+2505-(2N-219)) + B_{\bar{N}}(2N+2505-(N+2832)) + B_{\bar{N}}(2N+2505-(2N+2071)) \\ &= B_{\bar{N}}(2724) + B_{\bar{N}}(N-327) + B_{\bar{N}}(434) = 2724 + (N-327) + 434 = N + 2831 \\ &(N \geq 2724) \end{split}$$

$$B_{\bar{N}}(2N+2506) = B_{\bar{N}}(2N+2506 - B_{\bar{N}}(2N+2505)) + B_{\bar{N}}(2N+2506 - B_{\bar{N}}(2N+2504)) + B_{\bar{N}}(2N+2506 - B_{\bar{N}}(2N+2503))$$

$$= B_{\bar{N}}(2N+2506 - (N+2831)) + B_{\bar{N}}(2N+2506 - (2N-219)) + B_{\bar{N}}(2N+2506 - (N+2832))$$

$$= B_{\bar{N}}(N-325) + B_{\bar{N}}(2725) + B_{\bar{N}}(N-326) = (N-325) + 2725 + (N-326) = 2N + 2074$$

$$(N \ge 2725)$$

$$B_{\bar{N}}(2N+2507) = B_{\bar{N}}(2N+2507 - B_{\bar{N}}(2N+2506)) + B_{\bar{N}}(2N+2507 - B_{\bar{N}}(2N+2505)) + B_{\bar{N}}(2N+2507 - B_{\bar{N}}(2N+2504))$$

$$= B_{\bar{N}}(2N+2507 - (2N+2074)) + B_{\bar{N}}(2N+2507 - (N+2831)) + B_{\bar{N}}(2N+2507 - (2N-219))$$

$$= B_{\bar{N}}(433) + B_{\bar{N}}(N-324) + B_{\bar{N}}(2726) = 433 + (N-324) + 2726 = N + 2835$$

$$(N \ge 2726)$$

$$B_{\bar{N}}(2N+2508) = B_{\bar{N}}(2N+2508-B_{\bar{N}}(2N+2507)) + B_{\bar{N}}(2N+2508-B_{\bar{N}}(2N+2506)) + B_{\bar{N}}(2N+2508-B_{\bar{N}}(2N+2505))$$

$$= B_{\bar{N}}(2N+2508-(N+2835)) + B_{\bar{N}}(2N+2508-(2N+2074)) + B_{\bar{N}}(2N+2508-(N+2831))$$

$$= B_{\bar{N}}(N-327) + B_{\bar{N}}(434) + B_{\bar{N}}(N-323) = (N-327) + 434 + (N-323) = 2N-216$$

$$(N \ge 434)$$

$$B_{\bar{N}}(2N+2509) = B_{\bar{N}}(2N+2509 - B_{\bar{N}}(2N+2508)) + B_{\bar{N}}(2N+2509 - B_{\bar{N}}(2N+2507)) + B_{\bar{N}}(2N+2509 - B_{\bar{N}}(2N+2509))$$

$$= B_{\bar{N}}(2N+2509 - (2N-216)) + B_{\bar{N}}(2N+2509 - (N+2835)) + B_{\bar{N}}(2N+2509 - (2N+2074))$$

$$= B_{\bar{N}}(2725) + B_{\bar{N}}(N-326) + B_{\bar{N}}(435) = 2725 + (N-326) + 435 = N + 2834$$

$$(N \ge 2725)$$

$$B_{\bar{N}}(2N+2510) = B_{\bar{N}}(2N+2510 - B_{\bar{N}}(2N+2509)) + B_{\bar{N}}(2N+2510 - B_{\bar{N}}(2N+2508)) + B_{\bar{N}}(2N+2510 - B_{\bar{N}}(2N+2507))$$

$$= B_{\bar{N}}(2N+2510 - (N+2834)) + B_{\bar{N}}(2N+2510 - (2N-216)) + B_{\bar{N}}(2N+2510 - (N+2835))$$

$$= B_{\bar{N}}(N-324) + B_{\bar{N}}(2726) + B_{\bar{N}}(N-325) = (N-324) + 2726 + (N-325) = 2N + 2077$$

$$(N \ge 2726)$$

$$\begin{split} B_{\bar{N}}(2N+2511) &= B_{\bar{N}}(2N+2511-B_{\bar{N}}(2N+2510)) + B_{\bar{N}}(2N+2511-B_{\bar{N}}(2N+2509)) + B_{\bar{N}}(2N+2511-B_{\bar{N}}(2N+2508)) \\ &= B_{\bar{N}}(2N+2511-(2N+2077)) + B_{\bar{N}}(2N+2511-(N+2834)) + B_{\bar{N}}(2N+2511-(2N-216)) \\ &= B_{\bar{N}}(434) + B_{\bar{N}}(N-323) + B_{\bar{N}}(2727) = 434 + (N-323) + 2727 = N + 2838 \\ &(N > 2727) \end{split}$$

$$B_{\bar{N}}(2N+2512) = B_{\bar{N}}(2N+2512-B_{\bar{N}}(2N+2511)) + B_{\bar{N}}(2N+2512-B_{\bar{N}}(2N+2510)) + B_{\bar{N}}(2N+2512-B_{\bar{N}}(2N+2509))$$

$$= B_{\bar{N}}(2N+2512-(N+2838)) + B_{\bar{N}}(2N+2512-(2N+2077)) + B_{\bar{N}}(2N+2512-(N+2834))$$

$$= B_{\bar{N}}(N-326) + B_{\bar{N}}(435) + B_{\bar{N}}(N-322) = (N-326) + 435 + (N-322) = 2N-213$$

$$(N \ge 435)$$

$$B_{\bar{N}}(2N+2513) = B_{\bar{N}}(2N+2513-B_{\bar{N}}(2N+2512)) + B_{\bar{N}}(2N+2513-B_{\bar{N}}(2N+2511)) + B_{\bar{N}}(2N+2513-B_{\bar{N}}(2N+2510))$$

$$= B_{\bar{N}}(2N+2513-(2N-213)) + B_{\bar{N}}(2N+2513-(N+2838)) + B_{\bar{N}}(2N+2513-(2N+2077))$$

$$= B_{\bar{N}}(2726) + B_{\bar{N}}(N-325) + B_{\bar{N}}(436) = 2726 + (N-325) + 436 = N + 2837$$

$$(N \ge 2726)$$

$$\begin{split} B_{\bar{N}}(2N+2514) &= B_{\bar{N}}(2N+2514-B_{\bar{N}}(2N+2513)) + B_{\bar{N}}(2N+2514-B_{\bar{N}}(2N+2512)) + B_{\bar{N}}(2N+2514-B_{\bar{N}}(2N+2511)) \\ &= B_{\bar{N}}(2N+2514-(N+2837)) + B_{\bar{N}}(2N+2514-(2N-213)) + B_{\bar{N}}(2N+2514-(N+2838)) \\ &= B_{\bar{N}}(N-323) + B_{\bar{N}}(2727) + B_{\bar{N}}(N-324) = (N-323) + 2727 + (N-324) = 2N + 2080 \\ &(N \geq 2727) \end{split}$$

$$B_{\bar{N}}(2N+2515) = B_{\bar{N}}(2N+2515-B_{\bar{N}}(2N+2514)) + B_{\bar{N}}(2N+2515-B_{\bar{N}}(2N+2513)) + B_{\bar{N}}(2N+2515-B_{\bar{N}}(2N+2512))$$

$$= B_{\bar{N}}(2N+2515-(2N+2080)) + B_{\bar{N}}(2N+2515-(N+2837)) + B_{\bar{N}}(2N+2515-(2N-213))$$

$$= B_{\bar{N}}(435) + B_{\bar{N}}(N-322) + B_{\bar{N}}(2728) = 435 + (N-322) + 2728 = N + 2841$$

$$(N \ge 2728)$$

$$B_{\bar{N}}(2N+2516) = B_{\bar{N}}(2N+2516-B_{\bar{N}}(2N+2515)) + B_{\bar{N}}(2N+2516-B_{\bar{N}}(2N+2514)) + B_{\bar{N}}(2N+2516-B_{\bar{N}}(2N+2513))$$

$$= B_{\bar{N}}(2N+2516-(N+2841)) + B_{\bar{N}}(2N+2516-(2N+2080)) + B_{\bar{N}}(2N+2516-(N+2837))$$

$$= B_{\bar{N}}(N-325) + B_{\bar{N}}(436) + B_{\bar{N}}(N-321) = (N-325) + 436 + (N-321) = 2N-210$$

$$(N > 436)$$

$$B_{\bar{N}}(2N+2517) = B_{\bar{N}}(2N+2517 - B_{\bar{N}}(2N+2516)) + B_{\bar{N}}(2N+2517 - B_{\bar{N}}(2N+2515)) + B_{\bar{N}}(2N+2517 - B_{\bar{N}}(2N+2514))$$

$$= B_{\bar{N}}(2N+2517 - (2N-210)) + B_{\bar{N}}(2N+2517 - (N+2841)) + B_{\bar{N}}(2N+2517 - (2N+2080))$$

$$= B_{\bar{N}}(2727) + B_{\bar{N}}(N-324) + B_{\bar{N}}(437) = 2727 + (N-324) + 437 = N + 2840$$

$$(N > 2727)$$

$$B_{\bar{N}}(2N+2518) = B_{\bar{N}}(2N+2518-B_{\bar{N}}(2N+2517)) + B_{\bar{N}}(2N+2518-B_{\bar{N}}(2N+2516)) + B_{\bar{N}}(2N+2518-B_{\bar{N}}(2N+2515))$$

$$= B_{\bar{N}}(2N+2518-(N+2840)) + B_{\bar{N}}(2N+2518-(2N-210)) + B_{\bar{N}}(2N+2518-(N+2841))$$

$$= B_{\bar{N}}(N-322) + B_{\bar{N}}(2728) + B_{\bar{N}}(N-323) = (N-322) + 2728 + (N-323) = 2N + 2083$$

$$(N \ge 2728)$$

$$B_{\bar{N}}(2N+2519) = B_{\bar{N}}(2N+2519 - B_{\bar{N}}(2N+2518)) + B_{\bar{N}}(2N+2519 - B_{\bar{N}}(2N+2517)) + B_{\bar{N}}(2N+2519 - B_{\bar{N}}(2N+2516))$$

$$= B_{\bar{N}}(2N+2519 - (2N+2083)) + B_{\bar{N}}(2N+2519 - (N+2840)) + B_{\bar{N}}(2N+2519 - (2N-210))$$

$$= B_{\bar{N}}(436) + B_{\bar{N}}(N-321) + B_{\bar{N}}(2729) = 436 + (N-321) + 2729 = N + 2844$$

$$(N \ge 2729)$$

$$B_{\bar{N}}(2N+2520) = B_{\bar{N}}(2N+2520 - B_{\bar{N}}(2N+2519)) + B_{\bar{N}}(2N+2520 - B_{\bar{N}}(2N+2518)) + B_{\bar{N}}(2N+2520 - B_{\bar{N}}(2N+2517))$$

$$= B_{\bar{N}}(2N+2520 - (N+2844)) + B_{\bar{N}}(2N+2520 - (2N+2083)) + B_{\bar{N}}(2N+2520 - (N+2840))$$

$$= B_{\bar{N}}(N-324) + B_{\bar{N}}(437) + B_{\bar{N}}(N-320) = (N-324) + 437 + (N-320) = 2N-207$$

$$(N \ge 437)$$

$$B_{\bar{N}}(2N+2521) = B_{\bar{N}}(2N+2521-B_{\bar{N}}(2N+2520)) + B_{\bar{N}}(2N+2521-B_{\bar{N}}(2N+2519)) + B_{\bar{N}}(2N+2521-B_{\bar{N}}(2N+2518))$$

$$= B_{\bar{N}}(2N+2521-(2N-207)) + B_{\bar{N}}(2N+2521-(N+2844)) + B_{\bar{N}}(2N+2521-(2N+2083))$$

$$= B_{\bar{N}}(2728) + B_{\bar{N}}(N-323) + B_{\bar{N}}(438) = 2728 + (N-323) + 438 = N + 2843$$

$$(N \ge 2728)$$

$$B_{\bar{N}}(2N+2522) = B_{\bar{N}}(2N+2522-B_{\bar{N}}(2N+2521)) + B_{\bar{N}}(2N+2522-B_{\bar{N}}(2N+2520)) + B_{\bar{N}}(2N+2522-B_{\bar{N}}(2N+2519))$$

$$= B_{\bar{N}}(2N+2522-(N+2843)) + B_{\bar{N}}(2N+2522-(2N-207)) + B_{\bar{N}}(2N+2522-(N+2844))$$

$$= B_{\bar{N}}(N-321) + B_{\bar{N}}(2729) + B_{\bar{N}}(N-322) = (N-321) + 2729 + (N-322) = 2N + 2086$$

$$(N \ge 2729)$$

$$B_{\bar{N}}(2N+2523) = B_{\bar{N}}(2N+2523 - B_{\bar{N}}(2N+2522)) + B_{\bar{N}}(2N+2523 - B_{\bar{N}}(2N+2521)) + B_{\bar{N}}(2N+2523 - B_{\bar{N}}(2N+2523))$$

$$= B_{\bar{N}}(2N+2523 - (2N+2086)) + B_{\bar{N}}(2N+2523 - (N+2843)) + B_{\bar{N}}(2N+2523 - (2N-207))$$

$$= B_{\bar{N}}(437) + B_{\bar{N}}(N-320) + B_{\bar{N}}(2730) = 437 + (N-320) + 2730 = N + 2847$$

$$(N \ge 2730)$$

$$B_{\bar{N}}(2N+2524) = B_{\bar{N}}(2N+2524-B_{\bar{N}}(2N+2523)) + B_{\bar{N}}(2N+2524-B_{\bar{N}}(2N+2522)) + B_{\bar{N}}(2N+2524-B_{\bar{N}}(2N+2521))$$

$$= B_{\bar{N}}(2N+2524-(N+2847)) + B_{\bar{N}}(2N+2524-(2N+2086)) + B_{\bar{N}}(2N+2524-(N+2843))$$

$$= B_{\bar{N}}(N-323) + B_{\bar{N}}(438) + B_{\bar{N}}(N-319) = (N-323) + 438 + (N-319) = 2N-204$$

$$(N \ge 438)$$

$$B_{\bar{N}}(2N+2525) = B_{\bar{N}}(2N+2525-B_{\bar{N}}(2N+2524)) + B_{\bar{N}}(2N+2525-B_{\bar{N}}(2N+2523)) + B_{\bar{N}}(2N+2525-B_{\bar{N}}(2N+2525))$$

$$= B_{\bar{N}}(2N+2525-(2N-204)) + B_{\bar{N}}(2N+2525-(N+2847)) + B_{\bar{N}}(2N+2525-(2N+2086))$$

$$= B_{\bar{N}}(2729) + B_{\bar{N}}(N-322) + B_{\bar{N}}(439) = 2729 + (N-322) + 439 = N + 2846$$

$$(N \ge 2729)$$

$$B_{\bar{N}}(2N+2526) = B_{\bar{N}}(2N+2526 - B_{\bar{N}}(2N+2525)) + B_{\bar{N}}(2N+2526 - B_{\bar{N}}(2N+2524)) + B_{\bar{N}}(2N+2526 - B_{\bar{N}}(2N+2526))$$

$$= B_{\bar{N}}(2N+2526 - (N+2846)) + B_{\bar{N}}(2N+2526 - (2N-204)) + B_{\bar{N}}(2N+2526 - (N+2847))$$

$$= B_{\bar{N}}(N-320) + B_{\bar{N}}(2730) + B_{\bar{N}}(N-321) = (N-320) + 2730 + (N-321) = 2N + 2089$$

$$(N \ge 2730)$$

$$B_{\bar{N}}(2N+2527) = B_{\bar{N}}(2N+2527 - B_{\bar{N}}(2N+2526)) + B_{\bar{N}}(2N+2527 - B_{\bar{N}}(2N+2525)) + B_{\bar{N}}(2N+2527 - B_{\bar{N}}(2N+2524))$$

$$= B_{\bar{N}}(2N+2527 - (2N+2089)) + B_{\bar{N}}(2N+2527 - (N+2846)) + B_{\bar{N}}(2N+2527 - (2N-204))$$

$$= B_{\bar{N}}(438) + B_{\bar{N}}(N-319) + B_{\bar{N}}(2731) = 438 + (N-319) + 2731 = N + 2850$$

$$(N \ge 2731)$$

$$B_{\bar{N}}(2N+2528) = B_{\bar{N}}(2N+2528-B_{\bar{N}}(2N+2527)) + B_{\bar{N}}(2N+2528-B_{\bar{N}}(2N+2526)) + B_{\bar{N}}(2N+2528-B_{\bar{N}}(2N+2525))$$

$$= B_{\bar{N}}(2N+2528-(N+2850)) + B_{\bar{N}}(2N+2528-(2N+2089)) + B_{\bar{N}}(2N+2528-(N+2846))$$

$$= B_{\bar{N}}(N-322) + B_{\bar{N}}(439) + B_{\bar{N}}(N-318) = (N-322) + 439 + (N-318) = 2N-201$$

$$(N \ge 439)$$

$$B_{\bar{N}}(2N+2529) = B_{\bar{N}}(2N+2529 - B_{\bar{N}}(2N+2528)) + B_{\bar{N}}(2N+2529 - B_{\bar{N}}(2N+2527)) + B_{\bar{N}}(2N+2529 - B_{\bar{N}}(2N+2529))$$

$$= B_{\bar{N}}(2N+2529 - (2N-201)) + B_{\bar{N}}(2N+2529 - (N+2850)) + B_{\bar{N}}(2N+2529 - (2N+2089))$$

$$= B_{\bar{N}}(2730) + B_{\bar{N}}(N-321) + B_{\bar{N}}(440) = 2730 + (N-321) + 440 = N + 2849$$

$$(N \ge 2730)$$

$$\begin{split} B_{\bar{N}}(2N+2530) &= B_{\bar{N}}(2N+2530 - B_{\bar{N}}(2N+2529)) + B_{\bar{N}}(2N+2530 - B_{\bar{N}}(2N+2528)) + B_{\bar{N}}(2N+2530 - B_{\bar{N}}(2N+2527)) \\ &= B_{\bar{N}}(2N+2530 - (N+2849)) + B_{\bar{N}}(2N+2530 - (2N-201)) + B_{\bar{N}}(2N+2530 - (N+2850)) \\ &= B_{\bar{N}}(N-319) + B_{\bar{N}}(2731) + B_{\bar{N}}(N-320) = (N-319) + 2731 + (N-320) = 2N + 2092 \\ &(N \geq 2731) \end{split}$$

$$B_{\bar{N}}(2N+2531) = B_{\bar{N}}(2N+2531-B_{\bar{N}}(2N+2530)) + B_{\bar{N}}(2N+2531-B_{\bar{N}}(2N+2529)) + B_{\bar{N}}(2N+2531-B_{\bar{N}}(2N+2528))$$

$$= B_{\bar{N}}(2N+2531-(2N+2092)) + B_{\bar{N}}(2N+2531-(N+2849)) + B_{\bar{N}}(2N+2531-(2N-201))$$

$$= B_{\bar{N}}(439) + B_{\bar{N}}(N-318) + B_{\bar{N}}(2732) = 439 + (N-318) + 2732 = N + 2853$$

$$(N \ge 2732)$$

$$B_{\bar{N}}(2N+2532) = B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2531)) + B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2530)) + B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2N+2532-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2533) = B_{\bar{N}}(2N+2533-B_{\bar{N}}(2N+2532)) + B_{\bar{N}}(2N+2533-B_{\bar{N}}(2N+2531)) + B_{\bar{N}}(2N+2533-B_{\bar{N}}(2N+2530))$$

$$= B_{\bar{N}}(2N+2533-(2N-198)) + B_{\bar{N}}(2N+2533-(N+2853)) + B_{\bar{N}}(2N+2533-(2N+2092))$$

$$= B_{\bar{N}}(2731) + B_{\bar{N}}(N-320) + B_{\bar{N}}(441) = 2731 + (N-320) + 441 = N + 2852$$

$$(N \ge 2731)$$

$$B_{\bar{N}}(2N+2534) = B_{\bar{N}}(2N+2534-B_{\bar{N}}(2N+2533)) + B_{\bar{N}}(2N+2534-B_{\bar{N}}(2N+2532)) + B_{\bar{N}}(2N+2534-B_{\bar{N}}(2N+2531))$$

$$= B_{\bar{N}}(2N+2534-(N+2852)) + B_{\bar{N}}(2N+2534-(2N-198)) + B_{\bar{N}}(2N+2534-(N+2853))$$

$$= B_{\bar{N}}(N-318) + B_{\bar{N}}(2732) + B_{\bar{N}}(N-319) = (N-318) + 2732 + (N-319) = 2N + 2095$$

$$(N \ge 2732)$$

$$B_{\bar{N}}(2N+2535) = B_{\bar{N}}(2N+2535-B_{\bar{N}}(2N+2534)) + B_{\bar{N}}(2N+2535-B_{\bar{N}}(2N+2533)) + B_{\bar{N}}(2N+2535-B_{\bar{N}}(2N+2532))$$

$$= B_{\bar{N}}(2N+2535-(2N+2095)) + B_{\bar{N}}(2N+2535-(N+2852)) + B_{\bar{N}}(2N+2535-(2N-198))$$

$$= B_{\bar{N}}(440) + B_{\bar{N}}(N-317) + B_{\bar{N}}(2733) = 440 + (N-317) + 2733 = N + 2856$$

$$(N \ge 2733)$$

$$B_{\bar{N}}(2N+2536) = B_{\bar{N}}(2N+2536-B_{\bar{N}}(2N+2535)) + B_{\bar{N}}(2N+2536-B_{\bar{N}}(2N+2534)) + B_{\bar{N}}(2N+2536-B_{\bar{N}}(2N+2536))$$

$$= B_{\bar{N}}(2N+2536-(N+2856)) + B_{\bar{N}}(2N+2536-(2N+2095)) + B_{\bar{N}}(2N+2536-(N+2852))$$

$$= B_{\bar{N}}(N-320) + B_{\bar{N}}(441) + B_{\bar{N}}(N-316) = (N-320) + 441 + (N-316) = 2N-195$$

$$(N \ge 441)$$

$$B_{\bar{N}}(2N+2537) = B_{\bar{N}}(2N+2537 - B_{\bar{N}}(2N+2536)) + B_{\bar{N}}(2N+2537 - B_{\bar{N}}(2N+2535)) + B_{\bar{N}}(2N+2537 - B_{\bar{N}}(2N+2534))$$

$$= B_{\bar{N}}(2N+2537 - (2N-195)) + B_{\bar{N}}(2N+2537 - (N+2856)) + B_{\bar{N}}(2N+2537 - (2N+2095))$$

$$= B_{\bar{N}}(2732) + B_{\bar{N}}(N-319) + B_{\bar{N}}(442) = 2732 + (N-319) + 442 = N + 2855$$

$$(N \ge 2732)$$

$$B_{\bar{N}}(2N+2538) = B_{\bar{N}}(2N+2538-B_{\bar{N}}(2N+2537)) + B_{\bar{N}}(2N+2538-B_{\bar{N}}(2N+2536)) + B_{\bar{N}}(2N+2538-B_{\bar{N}}(2N+2535)) = B_{\bar{N}}(2N+2538-(N+2855)) + B_{\bar{N}}(2N+2538-(2N-195)) + B_{\bar{N}}(2N+2538-(N+2856)) = B_{\bar{N}}(N-317) + B_{\bar{N}}(2733) + B_{\bar{N}}(N-318) = (N-317) + 2733 + (N-318) = 2N + 2098 (N \ge 2733)$$

$$B_{\bar{N}}(2N+2539) = B_{\bar{N}}(2N+2539 - B_{\bar{N}}(2N+2538)) + B_{\bar{N}}(2N+2539 - B_{\bar{N}}(2N+2537)) + B_{\bar{N}}(2N+2539 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2540) = B_{\bar{N}}(2N+2540 - B_{\bar{N}}(2N+2539)) + B_{\bar{N}}(2N+2540 - B_{\bar{N}}(2N+2538)) + B_{\bar{N}}(2N+2540 - B_{\bar{N}}(2N+2537))$$

$$= B_{\bar{N}}(2N+2540 - (N+2859)) + B_{\bar{N}}(2N+2540 - (2N+2098)) + B_{\bar{N}}(2N+2540 - (N+2855))$$

$$= B_{\bar{N}}(N-319) + B_{\bar{N}}(442) + B_{\bar{N}}(N-315) = (N-319) + 442 + (N-315) = 2N-192$$

$$(N \ge 442)$$

$$B_{\bar{N}}(2N+2541) = B_{\bar{N}}(2N+2541 - B_{\bar{N}}(2N+2540)) + B_{\bar{N}}(2N+2541 - B_{\bar{N}}(2N+2539)) + B_{\bar{N}}(2N+2541 - B_{\bar{N}}(2N+2538))$$

$$= B_{\bar{N}}(2N+2541 - (2N-192)) + B_{\bar{N}}(2N+2541 - (N+2859)) + B_{\bar{N}}(2N+2541 - (2N+2098))$$

$$= B_{\bar{N}}(2733) + B_{\bar{N}}(N-318) + B_{\bar{N}}(443) = 2733 + (N-318) + 443 = N + 2858$$

$$(N \ge 2733)$$

$$B_{\bar{N}}(2N+2542) = B_{\bar{N}}(2N+2542-B_{\bar{N}}(2N+2541)) + B_{\bar{N}}(2N+2542-B_{\bar{N}}(2N+2540)) + B_{\bar{N}}(2N+2542-B_{\bar{N}}(2N+2539))$$

$$= B_{\bar{N}}(2N+2542-(N+2858)) + B_{\bar{N}}(2N+2542-(2N-192)) + B_{\bar{N}}(2N+2542-(N+2859))$$

$$= B_{\bar{N}}(N-316) + B_{\bar{N}}(2734) + B_{\bar{N}}(N-317) = (N-316) + 2734 + (N-317) = 2N + 2101$$

$$(N \ge 2734)$$

$$B_{\bar{N}}(2N+2543) = B_{\bar{N}}(2N+2543-B_{\bar{N}}(2N+2542)) + B_{\bar{N}}(2N+2543-B_{\bar{N}}(2N+2541)) + B_{\bar{N}}(2N+2543-B_{\bar{N}}(2N+2540))$$

$$= B_{\bar{N}}(2N+2543-(2N+2101)) + B_{\bar{N}}(2N+2543-(N+2858)) + B_{\bar{N}}(2N+2543-(2N-192))$$

$$= B_{\bar{N}}(442) + B_{\bar{N}}(N-315) + B_{\bar{N}}(2735) = 442 + (N-315) + 2735 = N + 2862$$

$$(N \ge 2735)$$

$$B_{\bar{N}}(2N+2544) = B_{\bar{N}}(2N+2544 - B_{\bar{N}}(2N+2543)) + B_{\bar{N}}(2N+2544 - B_{\bar{N}}(2N+2542)) + B_{\bar{N}}(2N+2544 - B_{\bar{N}}(2N+2541))$$

$$= B_{\bar{N}}(2N+2544 - (N+2862)) + B_{\bar{N}}(2N+2544 - (2N+2101)) + B_{\bar{N}}(2N+2544 - (N+2858))$$

$$= B_{\bar{N}}(N-318) + B_{\bar{N}}(443) + B_{\bar{N}}(N-314) = (N-318) + 443 + (N-314) = 2N-189$$

$$(N \ge 443)$$

$$B_{\bar{N}}(2N+2545) = B_{\bar{N}}(2N+2545-B_{\bar{N}}(2N+2544)) + B_{\bar{N}}(2N+2545-B_{\bar{N}}(2N+2543)) + B_{\bar{N}}(2N+2545-B_{\bar{N}}(2N+2545))$$

$$= B_{\bar{N}}(2N+2545-(2N-189)) + B_{\bar{N}}(2N+2545-(N+2862)) + B_{\bar{N}}(2N+2545-(2N+2101))$$

$$= B_{\bar{N}}(2734) + B_{\bar{N}}(N-317) + B_{\bar{N}}(444) = 2734 + (N-317) + 444 = N + 2861$$

$$(N \ge 2734)$$

$$B_{\bar{N}}(2N+2546) = B_{\bar{N}}(2N+2546 - B_{\bar{N}}(2N+2545)) + B_{\bar{N}}(2N+2546 - B_{\bar{N}}(2N+2544)) + B_{\bar{N}}(2N+2546 - B_{\bar{N}}(2N+2543))$$

$$= B_{\bar{N}}(2N+2546 - (N+2861)) + B_{\bar{N}}(2N+2546 - (2N-189)) + B_{\bar{N}}(2N+2546 - (N+2862))$$

$$= B_{\bar{N}}(N-315) + B_{\bar{N}}(2735) + B_{\bar{N}}(N-316) = (N-315) + 2735 + (N-316) = 2N + 2104$$

$$(N \ge 2735)$$

$$B_{\bar{N}}(2N+2547) = B_{\bar{N}}(2N+2547 - B_{\bar{N}}(2N+2546)) + B_{\bar{N}}(2N+2547 - B_{\bar{N}}(2N+2545)) + B_{\bar{N}}(2N+2547 - B_{\bar{N}}(2N+2544))$$

$$= B_{\bar{N}}(2N+2547 - (2N+2104)) + B_{\bar{N}}(2N+2547 - (N+2861)) + B_{\bar{N}}(2N+2547 - (2N-189))$$

$$= B_{\bar{N}}(443) + B_{\bar{N}}(N-314) + B_{\bar{N}}(2736) = 443 + (N-314) + 2736 = N + 2865$$

$$(N > 2736)$$

$$B_{\bar{N}}(2N+2548) = B_{\bar{N}}(2N+2548-B_{\bar{N}}(2N+2547)) + B_{\bar{N}}(2N+2548-B_{\bar{N}}(2N+2546)) + B_{\bar{N}}(2N+2548-B_{\bar{N}}(2N+2545))$$

$$= B_{\bar{N}}(2N+2548-(N+2865)) + B_{\bar{N}}(2N+2548-(2N+2104)) + B_{\bar{N}}(2N+2548-(N+2861))$$

$$= B_{\bar{N}}(N-317) + B_{\bar{N}}(444) + B_{\bar{N}}(N-313) = (N-317) + 444 + (N-313) = 2N-186$$

$$(N \ge 444)$$

$$B_{\bar{N}}(2N+2549) = B_{\bar{N}}(2N+2549 - B_{\bar{N}}(2N+2548)) + B_{\bar{N}}(2N+2549 - B_{\bar{N}}(2N+2547)) + B_{\bar{N}}(2N+2549 - B_{\bar{N}}(2N+2549))$$

$$= B_{\bar{N}}(2N+2549 - (2N-186)) + B_{\bar{N}}(2N+2549 - (N+2865)) + B_{\bar{N}}(2N+2549 - (2N+2104))$$

$$= B_{\bar{N}}(2735) + B_{\bar{N}}(N-316) + B_{\bar{N}}(445) = 2735 + (N-316) + 445 = N + 2864$$

$$(N \ge 2735)$$

$$B_{\bar{N}}(2N+2550) = B_{\bar{N}}(2N+2550 - B_{\bar{N}}(2N+2549)) + B_{\bar{N}}(2N+2550 - B_{\bar{N}}(2N+2548)) + B_{\bar{N}}(2N+2550 - B_{\bar{N}}(2N+2547))$$

$$= B_{\bar{N}}(2N+2550 - (N+2864)) + B_{\bar{N}}(2N+2550 - (2N-186)) + B_{\bar{N}}(2N+2550 - (N+2865))$$

$$= B_{\bar{N}}(N-314) + B_{\bar{N}}(2736) + B_{\bar{N}}(N-315) = (N-314) + 2736 + (N-315) = 2N + 2107$$

$$(N \ge 2736)$$

$$B_{\bar{N}}(2N+2551) = B_{\bar{N}}(2N+2551-B_{\bar{N}}(2N+2550)) + B_{\bar{N}}(2N+2551-B_{\bar{N}}(2N+2549)) + B_{\bar{N}}(2N+2551-B_{\bar{N}}(2N+2548))$$

$$= B_{\bar{N}}(2N+2551-(2N+2107)) + B_{\bar{N}}(2N+2551-(N+2864)) + B_{\bar{N}}(2N+2551-(2N-186))$$

$$= B_{\bar{N}}(444) + B_{\bar{N}}(N-313) + B_{\bar{N}}(2737) = 444 + (N-313) + 2737 = N + 2868$$

$$(N \ge 2737)$$

$$B_{\bar{N}}(2N+2552) = B_{\bar{N}}(2N+2552 - B_{\bar{N}}(2N+2551)) + B_{\bar{N}}(2N+2552 - B_{\bar{N}}(2N+2550)) + B_{\bar{N}}(2N+2552 - B_{\bar{N}}(2N+2549))$$

$$= B_{\bar{N}}(2N+2552 - (N+2868)) + B_{\bar{N}}(2N+2552 - (2N+2107)) + B_{\bar{N}}(2N+2552 - (N+2864))$$

$$= B_{\bar{N}}(N-316) + B_{\bar{N}}(445) + B_{\bar{N}}(N-312) = (N-316) + 445 + (N-312) = 2N-183$$

$$(N > 445)$$

$$B_{\bar{N}}(2N+2553) = B_{\bar{N}}(2N+2553-B_{\bar{N}}(2N+2552)) + B_{\bar{N}}(2N+2553-B_{\bar{N}}(2N+2551)) + B_{\bar{N}}(2N+2553-B_{\bar{N}}(2N+2550))$$

$$= B_{\bar{N}}(2N+2553-(2N-183)) + B_{\bar{N}}(2N+2553-(N+2868)) + B_{\bar{N}}(2N+2553-(2N+2107))$$

$$= B_{\bar{N}}(2736) + B_{\bar{N}}(N-315) + B_{\bar{N}}(446) = 2736 + (N-315) + 446 = N + 2867$$

$$(N \ge 2736)$$

$$B_{\bar{N}}(2N+2554) = B_{\bar{N}}(2N+2554 - B_{\bar{N}}(2N+2553)) + B_{\bar{N}}(2N+2554 - B_{\bar{N}}(2N+2552)) + B_{\bar{N}}(2N+2554 - B_{\bar{N}}(2N+2551))$$

$$= B_{\bar{N}}(2N+2554 - (N+2867)) + B_{\bar{N}}(2N+2554 - (2N-183)) + B_{\bar{N}}(2N+2554 - (N+2868))$$

$$= B_{\bar{N}}(N-313) + B_{\bar{N}}(2737) + B_{\bar{N}}(N-314) = (N-313) + 2737 + (N-314) = 2N + 2110$$

$$(N \ge 2737)$$

$$B_{\bar{N}}(2N+2555) = B_{\bar{N}}(2N+2555-B_{\bar{N}}(2N+2554)) + B_{\bar{N}}(2N+2555-B_{\bar{N}}(2N+2553)) + B_{\bar{N}}(2N+2555-B_{\bar{N}}(2N+2552))$$

$$= B_{\bar{N}}(2N+2555-(2N+2110)) + B_{\bar{N}}(2N+2555-(N+2867)) + B_{\bar{N}}(2N+2555-(2N-183))$$

$$= B_{\bar{N}}(445) + B_{\bar{N}}(N-312) + B_{\bar{N}}(2738) = 445 + (N-312) + 2738 = N + 2871$$

$$(N \ge 2738)$$

$$B_{\bar{N}}(2N+2556) = B_{\bar{N}}(2N+2556 - B_{\bar{N}}(2N+2555)) + B_{\bar{N}}(2N+2556 - B_{\bar{N}}(2N+2554)) + B_{\bar{N}}(2N+2556 - B_{\bar{N}}(2N+2556))$$

$$= B_{\bar{N}}(2N+2556 - (N+2871)) + B_{\bar{N}}(2N+2556 - (2N+2110)) + B_{\bar{N}}(2N+2556 - (N+2867))$$

$$= B_{\bar{N}}(N-315) + B_{\bar{N}}(446) + B_{\bar{N}}(N-311) = (N-315) + 446 + (N-311) = 2N - 180$$

$$(N \ge 446)$$

$$B_{\bar{N}}(2N+2557) = B_{\bar{N}}(2N+2557 - B_{\bar{N}}(2N+2556)) + B_{\bar{N}}(2N+2557 - B_{\bar{N}}(2N+2557)) + B_{\bar{N}}(2N+2557 - B_{\bar{N}}(2N+2554))$$

$$= B_{\bar{N}}(2N+2557 - (2N-180)) + B_{\bar{N}}(2N+2557 - (N+2871)) + B_{\bar{N}}(2N+2557 - (2N+2110))$$

$$= B_{\bar{N}}(2737) + B_{\bar{N}}(N-314) + B_{\bar{N}}(447) = 2737 + (N-314) + 447 = N + 2870$$

$$(N > 2737)$$

$$B_{\bar{N}}(2N+2558) = B_{\bar{N}}(2N+2558-B_{\bar{N}}(2N+2557)) + B_{\bar{N}}(2N+2558-B_{\bar{N}}(2N+2556)) + B_{\bar{N}}(2N+2558-B_{\bar{N}}(2N+2555))$$

$$= B_{\bar{N}}(2N+2558-(N+2870)) + B_{\bar{N}}(2N+2558-(2N-180)) + B_{\bar{N}}(2N+2558-(N+2871))$$

$$= B_{\bar{N}}(N-312) + B_{\bar{N}}(2738) + B_{\bar{N}}(N-313) = (N-312) + 2738 + (N-313) = 2N + 2113$$

$$(N \ge 2738)$$

$$B_{\bar{N}}(2N+2559) = B_{\bar{N}}(2N+2559 - B_{\bar{N}}(2N+2558)) + B_{\bar{N}}(2N+2559 - B_{\bar{N}}(2N+2557)) + B_{\bar{N}}(2N+2559 - B_{\bar{N}}(2N+2559))$$

$$= B_{\bar{N}}(2N+2559 - (2N+2113)) + B_{\bar{N}}(2N+2559 - (N+2870)) + B_{\bar{N}}(2N+2559 - (2N-180))$$

$$= B_{\bar{N}}(446) + B_{\bar{N}}(N-311) + B_{\bar{N}}(2739) = 446 + (N-311) + 2739 = N + 2874$$

$$(N \ge 2739)$$

$$B_{\bar{N}}(2N+2560) = B_{\bar{N}}(2N+2560-B_{\bar{N}}(2N+2559)) + B_{\bar{N}}(2N+2560-B_{\bar{N}}(2N+2558)) + B_{\bar{N}}(2N+2560-B_{\bar{N}}(2N+2557))$$

$$= B_{\bar{N}}(2N+2560-(N+2874)) + B_{\bar{N}}(2N+2560-(2N+2113)) + B_{\bar{N}}(2N+2560-(N+2870))$$

$$= B_{\bar{N}}(N-314) + B_{\bar{N}}(447) + B_{\bar{N}}(N-310) = (N-314) + 447 + (N-310) = 2N-177$$

$$(N \ge 447)$$

$$B_{\bar{N}}(2N+2561) = B_{\bar{N}}(2N+2561-B_{\bar{N}}(2N+2560)) + B_{\bar{N}}(2N+2561-B_{\bar{N}}(2N+2559)) + B_{\bar{N}}(2N+2561-B_{\bar{N}}(2N+2558))$$

$$= B_{\bar{N}}(2N+2561-(2N-177)) + B_{\bar{N}}(2N+2561-(N+2874)) + B_{\bar{N}}(2N+2561-(2N+2113))$$

$$= B_{\bar{N}}(2738) + B_{\bar{N}}(N-313) + B_{\bar{N}}(448) = 2738 + (N-313) + 448 = N + 2873$$

$$(N \ge 2738)$$

$$B_{\bar{N}}(2N+2562) = B_{\bar{N}}(2N+2562-B_{\bar{N}}(2N+2561)) + B_{\bar{N}}(2N+2562-B_{\bar{N}}(2N+2560)) + B_{\bar{N}}(2N+2562-B_{\bar{N}}(2N+2559))$$

$$= B_{\bar{N}}(2N+2562-(N+2873)) + B_{\bar{N}}(2N+2562-(2N-177)) + B_{\bar{N}}(2N+2562-(N+2874))$$

$$= B_{\bar{N}}(N-311) + B_{\bar{N}}(2739) + B_{\bar{N}}(N-312) = (N-311) + 2739 + (N-312) = 2N + 2116$$

$$(N \ge 2739)$$

$$B_{\bar{N}}(2N+2563) = B_{\bar{N}}(2N+2563-B_{\bar{N}}(2N+2562)) + B_{\bar{N}}(2N+2563-B_{\bar{N}}(2N+2561)) + B_{\bar{N}}(2N+2563-B_{\bar{N}}(2N+2563))$$

$$= B_{\bar{N}}(2N+2563-(2N+2116)) + B_{\bar{N}}(2N+2563-(N+2873)) + B_{\bar{N}}(2N+2563-(2N-177))$$

$$= B_{\bar{N}}(447) + B_{\bar{N}}(N-310) + B_{\bar{N}}(2740) = 447 + (N-310) + 2740 = N + 2877$$

$$(N \ge 2740)$$

$$B_{\bar{N}}(2N+2564) = B_{\bar{N}}(2N+2564-B_{\bar{N}}(2N+2563)) + B_{\bar{N}}(2N+2564-B_{\bar{N}}(2N+2562)) + B_{\bar{N}}(2N+2564-B_{\bar{N}}(2N+2561))$$

$$= B_{\bar{N}}(2N+2564-(N+2877)) + B_{\bar{N}}(2N+2564-(2N+2116)) + B_{\bar{N}}(2N+2564-(N+2873))$$

$$= B_{\bar{N}}(N-313) + B_{\bar{N}}(448) + B_{\bar{N}}(N-309) = (N-313) + 448 + (N-309) = 2N-174$$

$$(N \ge 448)$$

$$B_{\bar{N}}(2N+2565) = B_{\bar{N}}(2N+2565-B_{\bar{N}}(2N+2564)) + B_{\bar{N}}(2N+2565-B_{\bar{N}}(2N+2563)) + B_{\bar{N}}(2N+2565-B_{\bar{N}}(2N+2562))$$

$$= B_{\bar{N}}(2N+2565-(2N-174)) + B_{\bar{N}}(2N+2565-(N+2877)) + B_{\bar{N}}(2N+2565-(2N+2116))$$

$$= B_{\bar{N}}(2739) + B_{\bar{N}}(N-312) + B_{\bar{N}}(449) = 2739 + (N-312) + 449 = N + 2876$$

$$(N \ge 2739)$$

$$B_{\bar{N}}(2N+2566) = B_{\bar{N}}(2N+2566-B_{\bar{N}}(2N+2565)) + B_{\bar{N}}(2N+2566-B_{\bar{N}}(2N+2564)) + B_{\bar{N}}(2N+2566-B_{\bar{N}}(2N+2563))$$

$$= B_{\bar{N}}(2N+2566-(N+2876)) + B_{\bar{N}}(2N+2566-(2N-174)) + B_{\bar{N}}(2N+2566-(N+2877))$$

$$= B_{\bar{N}}(N-310) + B_{\bar{N}}(2740) + B_{\bar{N}}(N-311) = (N-310) + 2740 + (N-311) = 2N + 2119$$

$$(N \ge 2740)$$

$$B_{\bar{N}}(2N+2567) = B_{\bar{N}}(2N+2567 - B_{\bar{N}}(2N+2566)) + B_{\bar{N}}(2N+2567 - B_{\bar{N}}(2N+2565)) + B_{\bar{N}}(2N+2567 - B_{\bar{N}}(2N+2564))$$

$$= B_{\bar{N}}(2N+2567 - (2N+2119)) + B_{\bar{N}}(2N+2567 - (N+2876)) + B_{\bar{N}}(2N+2567 - (2N-174))$$

$$= B_{\bar{N}}(448) + B_{\bar{N}}(N-309) + B_{\bar{N}}(2741) = 448 + (N-309) + 2741 = N + 2880$$

$$(N \ge 2741)$$

$$B_{\bar{N}}(2N+2568) = B_{\bar{N}}(2N+2568-B_{\bar{N}}(2N+2567)) + B_{\bar{N}}(2N+2568-B_{\bar{N}}(2N+2566)) + B_{\bar{N}}(2N+2568-B_{\bar{N}}(2N+2565))$$

$$= B_{\bar{N}}(2N+2568-(N+2880)) + B_{\bar{N}}(2N+2568-(2N+2119)) + B_{\bar{N}}(2N+2568-(N+2876))$$

$$= B_{\bar{N}}(N-312) + B_{\bar{N}}(449) + B_{\bar{N}}(N-308) = (N-312) + 449 + (N-308) = 2N-171$$

$$(N \ge 449)$$

$$B_{\bar{N}}(2N+2569) = B_{\bar{N}}(2N+2569 - B_{\bar{N}}(2N+2568)) + B_{\bar{N}}(2N+2569 - B_{\bar{N}}(2N+2567)) + B_{\bar{N}}(2N+2569 - B_{\bar{N}}(2N+2569))$$

$$= B_{\bar{N}}(2N+2569 - (2N-171)) + B_{\bar{N}}(2N+2569 - (N+2880)) + B_{\bar{N}}(2N+2569 - (2N+2119))$$

$$= B_{\bar{N}}(2740) + B_{\bar{N}}(N-311) + B_{\bar{N}}(450) = 2740 + (N-311) + 450 = N + 2879$$

$$(N \ge 2740)$$

$$B_{\bar{N}}(2N+2570) = B_{\bar{N}}(2N+2570 - B_{\bar{N}}(2N+2569)) + B_{\bar{N}}(2N+2570 - B_{\bar{N}}(2N+2568)) + B_{\bar{N}}(2N+2570 - B_{\bar{N}}(2N+2567))$$

$$= B_{\bar{N}}(2N+2570 - (N+2879)) + B_{\bar{N}}(2N+2570 - (2N-171)) + B_{\bar{N}}(2N+2570 - (N+2880))$$

$$= B_{\bar{N}}(N-309) + B_{\bar{N}}(2741) + B_{\bar{N}}(N-310) = (N-309) + 2741 + (N-310) = 2N + 2122$$

$$(N \ge 2741)$$

$$B_{\bar{N}}(2N+2571) = B_{\bar{N}}(2N+2571 - B_{\bar{N}}(2N+2570)) + B_{\bar{N}}(2N+2571 - B_{\bar{N}}(2N+2569)) + B_{\bar{N}}(2N+2571 - B_{\bar{N}}(2N+2568))$$

$$= B_{\bar{N}}(2N+2571 - (2N+2122)) + B_{\bar{N}}(2N+2571 - (N+2879)) + B_{\bar{N}}(2N+2571 - (2N-171))$$

$$= B_{\bar{N}}(449) + B_{\bar{N}}(N-308) + B_{\bar{N}}(2742) = 449 + (N-308) + 2742 = N + 2883$$

$$(N \ge 2742)$$

$$B_{\bar{N}}(2N+2572) = B_{\bar{N}}(2N+2572 - B_{\bar{N}}(2N+2571)) + B_{\bar{N}}(2N+2572 - B_{\bar{N}}(2N+2570)) + B_{\bar{N}}(2N+2572 - B_{\bar{N}}(2N+2569))$$

$$= B_{\bar{N}}(2N+2572 - (N+2883)) + B_{\bar{N}}(2N+2572 - (2N+2122)) + B_{\bar{N}}(2N+2572 - (N+2879))$$

$$= B_{\bar{N}}(N-311) + B_{\bar{N}}(450) + B_{\bar{N}}(N-307) = (N-311) + 450 + (N-307) = 2N-168$$

$$(N \ge 450)$$

$$B_{\bar{N}}(2N+2573) = B_{\bar{N}}(2N+2573-B_{\bar{N}}(2N+2572)) + B_{\bar{N}}(2N+2573-B_{\bar{N}}(2N+2571)) + B_{\bar{N}}(2N+2573-B_{\bar{N}}(2N+2570))$$

$$= B_{\bar{N}}(2N+2573-(2N-168)) + B_{\bar{N}}(2N+2573-(N+2883)) + B_{\bar{N}}(2N+2573-(2N+2122))$$

$$= B_{\bar{N}}(2741) + B_{\bar{N}}(N-310) + B_{\bar{N}}(451) = 2741 + (N-310) + 451 = N + 2882$$

$$(N \ge 2741)$$

$$B_{\bar{N}}(2N+2574) = B_{\bar{N}}(2N+2574 - B_{\bar{N}}(2N+2573)) + B_{\bar{N}}(2N+2574 - B_{\bar{N}}(2N+2572)) + B_{\bar{N}}(2N+2574 - B_{\bar{N}}(2N+2571))$$

$$= B_{\bar{N}}(2N+2574 - (N+2882)) + B_{\bar{N}}(2N+2574 - (2N-168)) + B_{\bar{N}}(2N+2574 - (N+2883))$$

$$= B_{\bar{N}}(N-308) + B_{\bar{N}}(2742) + B_{\bar{N}}(N-309) = (N-308) + 2742 + (N-309) = 2N + 2125$$

$$(N \ge 2742)$$

$$B_{\bar{N}}(2N+2575) = B_{\bar{N}}(2N+2575 - B_{\bar{N}}(2N+2574)) + B_{\bar{N}}(2N+2575 - B_{\bar{N}}(2N+2573)) + B_{\bar{N}}(2N+2575 - B_{\bar{N}}(2N+2572))$$

$$= B_{\bar{N}}(2N+2575 - (2N+2125)) + B_{\bar{N}}(2N+2575 - (N+2882)) + B_{\bar{N}}(2N+2575 - (2N-168))$$

$$= B_{\bar{N}}(450) + B_{\bar{N}}(N-307) + B_{\bar{N}}(2743) = 450 + (N-307) + 2743 = N + 2886$$

$$(N \ge 2743)$$

$$B_{\bar{N}}(2N+2576) = B_{\bar{N}}(2N+2576-B_{\bar{N}}(2N+2575)) + B_{\bar{N}}(2N+2576-B_{\bar{N}}(2N+2574)) + B_{\bar{N}}(2N+2576-B_{\bar{N}}(2N+2573)) = B_{\bar{N}}(2N+2576-(N+2886)) + B_{\bar{N}}(2N+2576-(2N+2125)) + B_{\bar{N}}(2N+2576-(N+2882)) = B_{\bar{N}}(N-310) + B_{\bar{N}}(451) + B_{\bar{N}}(N-306) = (N-310) + 451 + (N-306) = 2N-165 (N > 451)$$

$$B_{\bar{N}}(2N+2577) = B_{\bar{N}}(2N+2577 - B_{\bar{N}}(2N+2576)) + B_{\bar{N}}(2N+2577 - B_{\bar{N}}(2N+2575)) + B_{\bar{N}}(2N+2577 - B_{\bar{N}}(2N+2574))$$

$$= B_{\bar{N}}(2N+2577 - (2N-165)) + B_{\bar{N}}(2N+2577 - (N+2886)) + B_{\bar{N}}(2N+2577 - (2N+2125))$$

$$= B_{\bar{N}}(2742) + B_{\bar{N}}(N-309) + B_{\bar{N}}(452) = 2742 + (N-309) + 452 = N + 2885$$

$$(N \ge 2742)$$

$$B_{\bar{N}}(2N+2578) = B_{\bar{N}}(2N+2578-B_{\bar{N}}(2N+2577)) + B_{\bar{N}}(2N+2578-B_{\bar{N}}(2N+2576)) + B_{\bar{N}}(2N+2578-B_{\bar{N}}(2N+2578-B_{\bar{N}}(2N+2578)) = B_{\bar{N}}(2N+2578-(N+2885)) + B_{\bar{N}}(2N+2578-(2N-165)) + B_{\bar{N}}(2N+2578-(N+2886)) = B_{\bar{N}}(N-307) + B_{\bar{N}}(2743) + B_{\bar{N}}(N-308) = (N-307) + 2743 + (N-308) = 2N + 2128 (N \ge 2743)$$

$$B_{\bar{N}}(2N+2579) = B_{\bar{N}}(2N+2579 - B_{\bar{N}}(2N+2578)) + B_{\bar{N}}(2N+2579 - B_{\bar{N}}(2N+2577)) + B_{\bar{N}}(2N+2579 - B_{\bar{N}}(2N+2579))$$

$$= B_{\bar{N}}(2N+2579 - (2N+2128)) + B_{\bar{N}}(2N+2579 - (N+2885)) + B_{\bar{N}}(2N+2579 - (2N-165))$$

$$= B_{\bar{N}}(451) + B_{\bar{N}}(N-306) + B_{\bar{N}}(2744) = 451 + (N-306) + 2744 = N + 2889$$

$$(N \ge 2744)$$

$$B_{\bar{N}}(2N+2580) = B_{\bar{N}}(2N+2580 - B_{\bar{N}}(2N+2579)) + B_{\bar{N}}(2N+2580 - B_{\bar{N}}(2N+2578)) + B_{\bar{N}}(2N+2580 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2581) = B_{\bar{N}}(2N+2581 - B_{\bar{N}}(2N+2580)) + B_{\bar{N}}(2N+2581 - B_{\bar{N}}(2N+2579)) + B_{\bar{N}}(2N+2581 - B_{\bar{N}}(2N+2578))$$

$$= B_{\bar{N}}(2N+2581 - (2N-162)) + B_{\bar{N}}(2N+2581 - (N+2889)) + B_{\bar{N}}(2N+2581 - (2N+2128))$$

$$= B_{\bar{N}}(2743) + B_{\bar{N}}(N-308) + B_{\bar{N}}(453) = 2743 + (N-308) + 453 = N + 2888$$

$$(N \ge 2743)$$

$$B_{\bar{N}}(2N+2582) = B_{\bar{N}}(2N+2582-B_{\bar{N}}(2N+2581)) + B_{\bar{N}}(2N+2582-B_{\bar{N}}(2N+2580)) + B_{\bar{N}}(2N+2582-B_{\bar{N}}(2N+2579))$$

$$= B_{\bar{N}}(2N+2582-(N+2888)) + B_{\bar{N}}(2N+2582-(2N-162)) + B_{\bar{N}}(2N+2582-(N+2889))$$

$$= B_{\bar{N}}(N-306) + B_{\bar{N}}(2744) + B_{\bar{N}}(N-307) = (N-306) + 2744 + (N-307) = 2N + 2131$$

$$(N \ge 2744)$$

$$B_{\bar{N}}(2N+2583) = B_{\bar{N}}(2N+2583-B_{\bar{N}}(2N+2582)) + B_{\bar{N}}(2N+2583-B_{\bar{N}}(2N+2581)) + B_{\bar{N}}(2N+2583-B_{\bar{N}}(2N+2583)) = B_{\bar{N}}(2N+2583-(2N+2131)) + B_{\bar{N}}(2N+2583-(N+2888)) + B_{\bar{N}}(2N+2583-(2N-162)) = B_{\bar{N}}(452) + B_{\bar{N}}(N-305) + B_{\bar{N}}(2745) = 452 + (N-305) + 2745 = N + 2892 (N \ge 2745)$$

$$B_{\bar{N}}(2N+2584) = B_{\bar{N}}(2N+2584-B_{\bar{N}}(2N+2583)) + B_{\bar{N}}(2N+2584-B_{\bar{N}}(2N+2582)) + B_{\bar{N}}(2N+2584-B_{\bar{N}}(2N+2581))$$

$$= B_{\bar{N}}(2N+2584-(N+2892)) + B_{\bar{N}}(2N+2584-(2N+2131)) + B_{\bar{N}}(2N+2584-(N+2888))$$

$$= B_{\bar{N}}(N-308) + B_{\bar{N}}(453) + B_{\bar{N}}(N-304) = (N-308) + 453 + (N-304) = 2N-159$$

$$(N \ge 453)$$

$$B_{\bar{N}}(2N+2585) = B_{\bar{N}}(2N+2585-B_{\bar{N}}(2N+2584)) + B_{\bar{N}}(2N+2585-B_{\bar{N}}(2N+2583)) + B_{\bar{N}}(2N+2585-B_{\bar{N}}(2N+2582))$$

$$= B_{\bar{N}}(2N+2585-(2N-159)) + B_{\bar{N}}(2N+2585-(N+2892)) + B_{\bar{N}}(2N+2585-(2N+2131))$$

$$= B_{\bar{N}}(2744) + B_{\bar{N}}(N-307) + B_{\bar{N}}(454) = 2744 + (N-307) + 454 = N + 2891$$

$$(N \ge 2744)$$

$$B_{\bar{N}}(2N+2586) = B_{\bar{N}}(2N+2586 - B_{\bar{N}}(2N+2585)) + B_{\bar{N}}(2N+2586 - B_{\bar{N}}(2N+2584)) + B_{\bar{N}}(2N+2586 - B_{\bar{N}}(2N+2586))$$

$$= B_{\bar{N}}(2N+2586 - (N+2891)) + B_{\bar{N}}(2N+2586 - (2N-159)) + B_{\bar{N}}(2N+2586 - (N+2892))$$

$$= B_{\bar{N}}(N-305) + B_{\bar{N}}(2745) + B_{\bar{N}}(N-306) = (N-305) + 2745 + (N-306) = 2N + 2134$$

$$(N \ge 2745)$$

$$B_{\bar{N}}(2N+2587) = B_{\bar{N}}(2N+2587 - B_{\bar{N}}(2N+2586)) + B_{\bar{N}}(2N+2587 - B_{\bar{N}}(2N+2585)) + B_{\bar{N}}(2N+2587 - B_{\bar{N}}(2N+2584))$$

$$= B_{\bar{N}}(2N+2587 - (2N+2134)) + B_{\bar{N}}(2N+2587 - (N+2891)) + B_{\bar{N}}(2N+2587 - (2N-159))$$

$$= B_{\bar{N}}(453) + B_{\bar{N}}(N-304) + B_{\bar{N}}(2746) = 453 + (N-304) + 2746 = N + 2895$$

$$(N > 2746)$$

$$B_{\bar{N}}(2N+2588) = B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2587)) + B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2586)) + B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588-B_{\bar{N}}(2N+2588))) \\ = B_{\bar{N}}(N-307) + B_{\bar{N}}(454) + B_{\bar{N}}(N-303) = (N-307) + 454 + (N-303) = 2N-156 \\ (N \ge 454)$$

$$B_{\bar{N}}(2N+2589) = B_{\bar{N}}(2N+2589 - B_{\bar{N}}(2N+2588)) + B_{\bar{N}}(2N+2589 - B_{\bar{N}}(2N+2587)) + B_{\bar{N}}(2N+2589 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2590) = B_{\bar{N}}(2N+2590 - B_{\bar{N}}(2N+2589)) + B_{\bar{N}}(2N+2590 - B_{\bar{N}}(2N+2588)) + B_{\bar{N}}(2N+2590 - B_{\bar{N}}(2N+2587))$$

$$= B_{\bar{N}}(2N+2590 - (N+2894)) + B_{\bar{N}}(2N+2590 - (2N-156)) + B_{\bar{N}}(2N+2590 - (N+2895))$$

$$= B_{\bar{N}}(N-304) + B_{\bar{N}}(2746) + B_{\bar{N}}(N-305) = (N-304) + 2746 + (N-305) = 2N + 2137$$

$$(N \ge 2746)$$

$$B_{\bar{N}}(2N+2591) = B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2590)) + B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591) + B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N+2591-B_{\bar{N}}(2N$$

$$B_{\bar{N}}(2N+2592) = B_{\bar{N}}(2N+2592 - B_{\bar{N}}(2N+2591)) + B_{\bar{N}}(2N+2592 - B_{\bar{N}}(2N+2590)) + B_{\bar{N}}(2N+2592 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2593) = B_{\bar{N}}(2N+2593 - B_{\bar{N}}(2N+2592)) + B_{\bar{N}}(2N+2593 - B_{\bar{N}}(2N+2591)) + B_{\bar{N}}(2N+2593 - B_{\bar{N}}(2N+2590))$$

$$= B_{\bar{N}}(2N+2593 - (2N-153)) + B_{\bar{N}}(2N+2593 - (N+2898)) + B_{\bar{N}}(2N+2593 - (2N+2137))$$

$$= B_{\bar{N}}(2746) + B_{\bar{N}}(N-305) + B_{\bar{N}}(456) = 2746 + (N-305) + 456 = N + 2897$$

$$(N \ge 2746)$$

$$B_{\bar{N}}(2N+2594) = B_{\bar{N}}(2N+2594-B_{\bar{N}}(2N+2593)) + B_{\bar{N}}(2N+2594-B_{\bar{N}}(2N+2592)) + B_{\bar{N}}(2N+2594-B_{\bar{N}}(2N+2591))$$

$$= B_{\bar{N}}(2N+2594-(N+2897)) + B_{\bar{N}}(2N+2594-(2N-153)) + B_{\bar{N}}(2N+2594-(N+2898))$$

$$= B_{\bar{N}}(N-303) + B_{\bar{N}}(2747) + B_{\bar{N}}(N-304) = (N-303) + 2747 + (N-304) = 2N + 2140$$

$$(N \ge 2747)$$

$$\begin{split} B_{\bar{N}}(2N+2595) &= B_{\bar{N}}(2N+2595-B_{\bar{N}}(2N+2594)) + B_{\bar{N}}(2N+2595-B_{\bar{N}}(2N+2593)) + B_{\bar{N}}(2N+2595-B_{\bar{N}}(2N+2592)) \\ &= B_{\bar{N}}(2N+2595-(2N+2140)) + B_{\bar{N}}(2N+2595-(N+2897)) + B_{\bar{N}}(2N+2595-(2N-153)) \\ &= B_{\bar{N}}(455) + B_{\bar{N}}(N-302) + B_{\bar{N}}(2748) = 455 + (N-302) + 2748 = N + 2901 \\ &(N \geq 2748) \end{split}$$

$$B_{\bar{N}}(2N+2596) = B_{\bar{N}}(2N+2596-B_{\bar{N}}(2N+2595)) + B_{\bar{N}}(2N+2596-B_{\bar{N}}(2N+2594)) + B_{\bar{N}}(2N+2596-B_{\bar{N}}(2N+2593))$$

$$= B_{\bar{N}}(2N+2596-(N+2901)) + B_{\bar{N}}(2N+2596-(2N+2140)) + B_{\bar{N}}(2N+2596-(N+2897))$$

$$= B_{\bar{N}}(N-305) + B_{\bar{N}}(456) + B_{\bar{N}}(N-301) = (N-305) + 456 + (N-301) = 2N-150$$

$$(N \ge 456)$$

$$B_{\bar{N}}(2N+2597) = B_{\bar{N}}(2N+2597 - B_{\bar{N}}(2N+2596)) + B_{\bar{N}}(2N+2597 - B_{\bar{N}}(2N+2595)) + B_{\bar{N}}(2N+2597 - B_{\bar{N}}(2N+2594))$$

$$= B_{\bar{N}}(2N+2597 - (2N-150)) + B_{\bar{N}}(2N+2597 - (N+2901)) + B_{\bar{N}}(2N+2597 - (2N+2140))$$

$$= B_{\bar{N}}(2747) + B_{\bar{N}}(N-304) + B_{\bar{N}}(457) = 2747 + (N-304) + 457 = N + 2900$$

$$(N \ge 2747)$$

$$B_{\bar{N}}(2N+2598) = B_{\bar{N}}(2N+2598-B_{\bar{N}}(2N+2597)) + B_{\bar{N}}(2N+2598-B_{\bar{N}}(2N+2596)) + B_{\bar{N}}(2N+2598-B_{\bar{N}}(2N+2595))$$

$$= B_{\bar{N}}(2N+2598-(N+2900)) + B_{\bar{N}}(2N+2598-(2N-150)) + B_{\bar{N}}(2N+2598-(N+2901))$$

$$= B_{\bar{N}}(N-302) + B_{\bar{N}}(2748) + B_{\bar{N}}(N-303) = (N-302) + 2748 + (N-303) = 2N + 2143$$

$$(N \ge 2748)$$

$$B_{\bar{N}}(2N+2599) = B_{\bar{N}}(2N+2599 - B_{\bar{N}}(2N+2598)) + B_{\bar{N}}(2N+2599 - B_{\bar{N}}(2N+2597)) + B_{\bar{N}}(2N+2599 - B_{\bar{N}}(2N+2596))$$

$$= B_{\bar{N}}(2N+2599 - (2N+2143)) + B_{\bar{N}}(2N+2599 - (N+2900)) + B_{\bar{N}}(2N+2599 - (2N-150))$$

$$= B_{\bar{N}}(456) + B_{\bar{N}}(N-301) + B_{\bar{N}}(2749) = 456 + (N-301) + 2749 = N + 2904$$

$$(N \ge 2749)$$

$$B_{\bar{N}}(2N+2600) = B_{\bar{N}}(2N+2600-B_{\bar{N}}(2N+2599)) + B_{\bar{N}}(2N+2600-B_{\bar{N}}(2N+2598)) + B_{\bar{N}}(2N+2600-B_{\bar{N}}(2N+2597))$$

$$= B_{\bar{N}}(2N+2600-(N+2904)) + B_{\bar{N}}(2N+2600-(2N+2143)) + B_{\bar{N}}(2N+2600-(N+2900))$$

$$= B_{\bar{N}}(N-304) + B_{\bar{N}}(457) + B_{\bar{N}}(N-300) = (N-304) + 457 + (N-300) = 2N-147$$

$$(N \ge 457)$$

$$B_{\bar{N}}(2N+2601) = B_{\bar{N}}(2N+2601 - B_{\bar{N}}(2N+2600)) + B_{\bar{N}}(2N+2601 - B_{\bar{N}}(2N+2599)) + B_{\bar{N}}(2N+2601 - B_{\bar{N}}(2N+2598))$$

$$= B_{\bar{N}}(2N+2601 - (2N-147)) + B_{\bar{N}}(2N+2601 - (N+2904)) + B_{\bar{N}}(2N+2601 - (2N+2143))$$

$$= B_{\bar{N}}(2748) + B_{\bar{N}}(N-303) + B_{\bar{N}}(458) = 2748 + (N-303) + 458 = N + 2903$$

$$(N \ge 2748)$$

$$B_{\bar{N}}(2N+2602) = B_{\bar{N}}(2N+2602 - B_{\bar{N}}(2N+2601)) + B_{\bar{N}}(2N+2602 - B_{\bar{N}}(2N+2600)) + B_{\bar{N}}(2N+2602 - B_{\bar{N}}(2N+2599))$$

$$= B_{\bar{N}}(2N+2602 - (N+2903)) + B_{\bar{N}}(2N+2602 - (2N-147)) + B_{\bar{N}}(2N+2602 - (N+2904))$$

$$= B_{\bar{N}}(N-301) + B_{\bar{N}}(2749) + B_{\bar{N}}(N-302) = (N-301) + 2749 + (N-302) = 2N + 2146$$

$$(N \ge 2749)$$

$$B_{\bar{N}}(2N+2603) = B_{\bar{N}}(2N+2603 - B_{\bar{N}}(2N+2602)) + B_{\bar{N}}(2N+2603 - B_{\bar{N}}(2N+2601)) + B_{\bar{N}}(2N+2603 - B_{\bar{N}}(2N+2603)) + B_{\bar{N}}(2N+2603 - (2N+2146)) + B_{\bar{N}}(2N+2603 - (N+2903)) + B_{\bar{N}}(2N+2603 - (2N-147)) = B_{\bar{N}}(457) + B_{\bar{N}}(N-300) + B_{\bar{N}}(2750) = 457 + (N-300) + 2750 = N + 2907$$

$$(N \ge 2750)$$

$$B_{\bar{N}}(2N+2604) = B_{\bar{N}}(2N+2604-B_{\bar{N}}(2N+2603)) + B_{\bar{N}}(2N+2604-B_{\bar{N}}(2N+2602)) + B_{\bar{N}}(2N+2604-B_{\bar{N}}(2N+2601))$$

$$= B_{\bar{N}}(2N+2604-(N+2907)) + B_{\bar{N}}(2N+2604-(2N+2146)) + B_{\bar{N}}(2N+2604-(N+2903))$$

$$= B_{\bar{N}}(N-303) + B_{\bar{N}}(458) + B_{\bar{N}}(N-299) = (N-303) + 458 + (N-299) = 2N-144$$

$$(N \ge 458)$$

$$B_{\bar{N}}(2N+2605) = B_{\bar{N}}(2N+2605-B_{\bar{N}}(2N+2604)) + B_{\bar{N}}(2N+2605-B_{\bar{N}}(2N+2603)) + B_{\bar{N}}(2N+2605-B_{\bar{N}}(2N+2602))$$

$$= B_{\bar{N}}(2N+2605-(2N-144)) + B_{\bar{N}}(2N+2605-(N+2907)) + B_{\bar{N}}(2N+2605-(2N+2146))$$

$$= B_{\bar{N}}(2749) + B_{\bar{N}}(N-302) + B_{\bar{N}}(459) = 2749 + (N-302) + 459 = N + 2906$$

$$(N \ge 2749)$$

$$B_{\bar{N}}(2N+2606) = B_{\bar{N}}(2N+2606-B_{\bar{N}}(2N+2605)) + B_{\bar{N}}(2N+2606-B_{\bar{N}}(2N+2604)) + B_{\bar{N}}(2N+2606-B_{\bar{N}}(2N+2603))$$

$$= B_{\bar{N}}(2N+2606-(N+2906)) + B_{\bar{N}}(2N+2606-(2N-144)) + B_{\bar{N}}(2N+2606-(N+2907))$$

$$= B_{\bar{N}}(N-300) + B_{\bar{N}}(2750) + B_{\bar{N}}(N-301) = (N-300) + 2750 + (N-301) = 2N + 2149$$

$$(N > 2750)$$

$$B_{\bar{N}}(2N+2607) = B_{\bar{N}}(2N+2607 - B_{\bar{N}}(2N+2606)) + B_{\bar{N}}(2N+2607 - B_{\bar{N}}(2N+2605)) + B_{\bar{N}}(2N+2607 - B_{\bar{N}}(2N+2604))$$

$$= B_{\bar{N}}(2N+2607 - (2N+2149)) + B_{\bar{N}}(2N+2607 - (N+2906)) + B_{\bar{N}}(2N+2607 - (2N-144))$$

$$= B_{\bar{N}}(458) + B_{\bar{N}}(N-299) + B_{\bar{N}}(2751) = 458 + (N-299) + 2751 = N + 2910$$

$$(N \ge 2751)$$

$$B_{\bar{N}}(2N+2608) = B_{\bar{N}}(2N+2608-B_{\bar{N}}(2N+2607)) + B_{\bar{N}}(2N+2608-B_{\bar{N}}(2N+2606)) + B_{\bar{N}}(2N+2608-B_{\bar{N}}(2N+2605))$$

$$= B_{\bar{N}}(2N+2608-(N+2910)) + B_{\bar{N}}(2N+2608-(2N+2149)) + B_{\bar{N}}(2N+2608-(N+2906))$$

$$= B_{\bar{N}}(N-302) + B_{\bar{N}}(459) + B_{\bar{N}}(N-298) = (N-302) + 459 + (N-298) = 2N-141$$

$$(N \ge 459)$$

$$B_{\bar{N}}(2N+2609) = B_{\bar{N}}(2N+2609 - B_{\bar{N}}(2N+2608)) + B_{\bar{N}}(2N+2609 - B_{\bar{N}}(2N+2607)) + B_{\bar{N}}(2N+2609 - B_{\bar{N}}(2N+2609))$$

$$= B_{\bar{N}}(2N+2609 - (2N-141)) + B_{\bar{N}}(2N+2609 - (N+2910)) + B_{\bar{N}}(2N+2609 - (2N+2149))$$

$$= B_{\bar{N}}(2750) + B_{\bar{N}}(N-301) + B_{\bar{N}}(460) = 2750 + (N-301) + 460 = N + 2909$$

$$(N \ge 2750)$$

$$\begin{split} B_{\bar{N}}(2N+2610) &= B_{\bar{N}}(2N+2610-B_{\bar{N}}(2N+2609)) + B_{\bar{N}}(2N+2610-B_{\bar{N}}(2N+2608)) + B_{\bar{N}}(2N+2610-B_{\bar{N}}(2N+2607)) \\ &= B_{\bar{N}}(2N+2610-(N+2909)) + B_{\bar{N}}(2N+2610-(2N-141)) + B_{\bar{N}}(2N+2610-(N+2910)) \\ &= B_{\bar{N}}(N-299) + B_{\bar{N}}(2751) + B_{\bar{N}}(N-300) = (N-299) + 2751 + (N-300) = 2N+2152 \\ &(N \geq 2751) \end{split}$$

$$B_{\bar{N}}(2N+2611) = B_{\bar{N}}(2N+2611 - B_{\bar{N}}(2N+2610)) + B_{\bar{N}}(2N+2611 - B_{\bar{N}}(2N+2609)) + B_{\bar{N}}(2N+2611 - B_{\bar{N}}(2N+2608))$$

$$= B_{\bar{N}}(2N+2611 - (2N+2152)) + B_{\bar{N}}(2N+2611 - (N+2909)) + B_{\bar{N}}(2N+2611 - (2N-141))$$

$$= B_{\bar{N}}(459) + B_{\bar{N}}(N-298) + B_{\bar{N}}(2752) = 459 + (N-298) + 2752 = N + 2913$$

$$(N \ge 2752)$$

$$B_{\bar{N}}(2N+2612) = B_{\bar{N}}(2N+2612-B_{\bar{N}}(2N+2611)) + B_{\bar{N}}(2N+2612-B_{\bar{N}}(2N+2610)) + B_{\bar{N}}(2N+2612-B_{\bar{N}}(2N+2609))$$

$$= B_{\bar{N}}(2N+2612-(N+2913)) + B_{\bar{N}}(2N+2612-(2N+2152)) + B_{\bar{N}}(2N+2612-(N+2909))$$

$$= B_{\bar{N}}(N-301) + B_{\bar{N}}(460) + B_{\bar{N}}(N-297) = (N-301) + 460 + (N-297) = 2N-138$$

$$(N \ge 460)$$

$$B_{\bar{N}}(2N+2613) = B_{\bar{N}}(2N+2613-B_{\bar{N}}(2N+2612)) + B_{\bar{N}}(2N+2613-B_{\bar{N}}(2N+2611)) + B_{\bar{N}}(2N+2613-B_{\bar{N}}(2N+2610))$$

$$= B_{\bar{N}}(2N+2613-(2N-138)) + B_{\bar{N}}(2N+2613-(N+2913)) + B_{\bar{N}}(2N+2613-(2N+2152))$$

$$= B_{\bar{N}}(2751) + B_{\bar{N}}(N-300) + B_{\bar{N}}(461) = 2751 + (N-300) + 461 = N + 2912$$

$$(N \ge 2751)$$

$$B_{\bar{N}}(2N+2614) = B_{\bar{N}}(2N+2614-B_{\bar{N}}(2N+2613)) + B_{\bar{N}}(2N+2614-B_{\bar{N}}(2N+2612)) + B_{\bar{N}}(2N+2614-B_{\bar{N}}(2N+2611))$$

$$= B_{\bar{N}}(2N+2614-(N+2912)) + B_{\bar{N}}(2N+2614-(2N-138)) + B_{\bar{N}}(2N+2614-(N+2913))$$

$$= B_{\bar{N}}(N-298) + B_{\bar{N}}(2752) + B_{\bar{N}}(N-299) = (N-298) + 2752 + (N-299) = 2N + 2155$$

$$(N \ge 2752)$$

$$\begin{split} B_{\bar{N}}(2N+2615) &= B_{\bar{N}}(2N+2615-B_{\bar{N}}(2N+2614)) + B_{\bar{N}}(2N+2615-B_{\bar{N}}(2N+2613)) + B_{\bar{N}}(2N+2615-B_{\bar{N}}(2N+2612)) \\ &= B_{\bar{N}}(2N+2615-(2N+2155)) + B_{\bar{N}}(2N+2615-(N+2912)) + B_{\bar{N}}(2N+2615-(2N-138)) \\ &= B_{\bar{N}}(460) + B_{\bar{N}}(N-297) + B_{\bar{N}}(2753) = 460 + (N-297) + 2753 = N + 2916 \\ &(N \geq 2753) \end{split}$$

$$B_{\bar{N}}(2N+2616) = B_{\bar{N}}(2N+2616-B_{\bar{N}}(2N+2615)) + B_{\bar{N}}(2N+2616-B_{\bar{N}}(2N+2614)) + B_{\bar{N}}(2N+2616-B_{\bar{N}}(2N+2613))$$

$$= B_{\bar{N}}(2N+2616-(N+2916)) + B_{\bar{N}}(2N+2616-(2N+2155)) + B_{\bar{N}}(2N+2616-(N+2912))$$

$$= B_{\bar{N}}(N-300) + B_{\bar{N}}(461) + B_{\bar{N}}(N-296) = (N-300) + 461 + (N-296) = 2N-135$$

$$(N \ge 461)$$

$$B_{\bar{N}}(2N+2617) = B_{\bar{N}}(2N+2617 - B_{\bar{N}}(2N+2616)) + B_{\bar{N}}(2N+2617 - B_{\bar{N}}(2N+2615)) + B_{\bar{N}}(2N+2617 - B_{\bar{N}}(2N+2614))$$

$$= B_{\bar{N}}(2N+2617 - (2N-135)) + B_{\bar{N}}(2N+2617 - (N+2916)) + B_{\bar{N}}(2N+2617 - (2N+2155))$$

$$= B_{\bar{N}}(2752) + B_{\bar{N}}(N-299) + B_{\bar{N}}(462) = 2752 + (N-299) + 462 = N + 2915$$

$$(N \ge 2752)$$

$$B_{\bar{N}}(2N+2618) = B_{\bar{N}}(2N+2618-B_{\bar{N}}(2N+2617)) + B_{\bar{N}}(2N+2618-B_{\bar{N}}(2N+2616)) + B_{\bar{N}}(2N+2618-B_{\bar{N}}(2N+2615))$$

$$= B_{\bar{N}}(2N+2618-(N+2915)) + B_{\bar{N}}(2N+2618-(2N-135)) + B_{\bar{N}}(2N+2618-(N+2916))$$

$$= B_{\bar{N}}(N-297) + B_{\bar{N}}(2753) + B_{\bar{N}}(N-298) = (N-297) + 2753 + (N-298) = 2N + 2158$$

$$(N \ge 2753)$$

$$B_{\bar{N}}(2N+2619) = B_{\bar{N}}(2N+2619 - B_{\bar{N}}(2N+2618)) + B_{\bar{N}}(2N+2619 - B_{\bar{N}}(2N+2617)) + B_{\bar{N}}(2N+2619 - B_{\bar{N}}(2N+2619))$$

$$= B_{\bar{N}}(2N+2619 - (2N+2158)) + B_{\bar{N}}(2N+2619 - (N+2915)) + B_{\bar{N}}(2N+2619 - (2N-135))$$

$$= B_{\bar{N}}(461) + B_{\bar{N}}(N-296) + B_{\bar{N}}(2754) = 461 + (N-296) + 2754 = N + 2919$$

$$(N \ge 2754)$$

$$B_{\bar{N}}(2N+2620) = B_{\bar{N}}(2N+2620 - B_{\bar{N}}(2N+2619)) + B_{\bar{N}}(2N+2620 - B_{\bar{N}}(2N+2618)) + B_{\bar{N}}(2N+2620 - B_{\bar{N}}(2N+2617))$$

$$= B_{\bar{N}}(2N+2620 - (N+2919)) + B_{\bar{N}}(2N+2620 - (2N+2158)) + B_{\bar{N}}(2N+2620 - (N+2915))$$

$$= B_{\bar{N}}(N-299) + B_{\bar{N}}(462) + B_{\bar{N}}(N-295) = (N-299) + 462 + (N-295) = 2N-132$$

$$(N \ge 462)$$

$$B_{\bar{N}}(2N+2621) = B_{\bar{N}}(2N+2621-B_{\bar{N}}(2N+2620)) + B_{\bar{N}}(2N+2621-B_{\bar{N}}(2N+2619)) + B_{\bar{N}}(2N+2621-B_{\bar{N}}(2N+2618))$$

$$= B_{\bar{N}}(2N+2621-(2N-132)) + B_{\bar{N}}(2N+2621-(N+2919)) + B_{\bar{N}}(2N+2621-(2N+2158))$$

$$= B_{\bar{N}}(2753) + B_{\bar{N}}(N-298) + B_{\bar{N}}(463) = 2753 + (N-298) + 463 = N + 2918$$

$$(N \ge 2753)$$

$$B_{\bar{N}}(2N+2622) = B_{\bar{N}}(2N+2622-B_{\bar{N}}(2N+2621)) + B_{\bar{N}}(2N+2622-B_{\bar{N}}(2N+2620)) + B_{\bar{N}}(2N+2622-B_{\bar{N}}(2N+2619))$$

$$= B_{\bar{N}}(2N+2622-(N+2918)) + B_{\bar{N}}(2N+2622-(2N-132)) + B_{\bar{N}}(2N+2622-(N+2919))$$

$$= B_{\bar{N}}(N-296) + B_{\bar{N}}(2754) + B_{\bar{N}}(N-297) = (N-296) + 2754 + (N-297) = 2N + 2161$$

$$(N \ge 2754)$$

$$B_{\bar{N}}(2N+2623) = B_{\bar{N}}(2N+2623-B_{\bar{N}}(2N+2622)) + B_{\bar{N}}(2N+2623-B_{\bar{N}}(2N+2621)) + B_{\bar{N}}(2N+2623-B_{\bar{N}}(2N+2620))$$

$$= B_{\bar{N}}(2N+2623-(2N+2161)) + B_{\bar{N}}(2N+2623-(N+2918)) + B_{\bar{N}}(2N+2623-(2N-132))$$

$$= B_{\bar{N}}(462) + B_{\bar{N}}(N-295) + B_{\bar{N}}(2755) = 462 + (N-295) + 2755 = N + 2922$$

$$(N \ge 2755)$$

$$B_{\bar{N}}(2N+2624) = B_{\bar{N}}(2N+2624-B_{\bar{N}}(2N+2623)) + B_{\bar{N}}(2N+2624-B_{\bar{N}}(2N+2622)) + B_{\bar{N}}(2N+2624-B_{\bar{N}}(2N+2621))$$

$$= B_{\bar{N}}(2N+2624-(N+2922)) + B_{\bar{N}}(2N+2624-(2N+2161)) + B_{\bar{N}}(2N+2624-(N+2918))$$

$$= B_{\bar{N}}(N-298) + B_{\bar{N}}(463) + B_{\bar{N}}(N-294) = (N-298) + 463 + (N-294) = 2N-129$$

$$(N \ge 463)$$

$$B_{\bar{N}}(2N+2625) = B_{\bar{N}}(2N+2625-B_{\bar{N}}(2N+2624)) + B_{\bar{N}}(2N+2625-B_{\bar{N}}(2N+2623)) + B_{\bar{N}}(2N+2625-B_{\bar{N}}(2N+2625))$$

$$= B_{\bar{N}}(2N+2625-(2N-129)) + B_{\bar{N}}(2N+2625-(N+2922)) + B_{\bar{N}}(2N+2625-(2N+2161))$$

$$= B_{\bar{N}}(2754) + B_{\bar{N}}(N-297) + B_{\bar{N}}(464) = 2754 + (N-297) + 464 = N + 2921$$

$$(N \ge 2754)$$

$$B_{\bar{N}}(2N+2626) = B_{\bar{N}}(2N+2626-B_{\bar{N}}(2N+2625)) + B_{\bar{N}}(2N+2626-B_{\bar{N}}(2N+2624)) + B_{\bar{N}}(2N+2626-B_{\bar{N}}(2N+2623))$$

$$= B_{\bar{N}}(2N+2626-(N+2921)) + B_{\bar{N}}(2N+2626-(2N-129)) + B_{\bar{N}}(2N+2626-(N+2922))$$

$$= B_{\bar{N}}(N-295) + B_{\bar{N}}(2755) + B_{\bar{N}}(N-296) = (N-295) + 2755 + (N-296) = 2N + 2164$$

$$(N \ge 2755)$$

$$B_{\bar{N}}(2N+2627) = B_{\bar{N}}(2N+2627 - B_{\bar{N}}(2N+2626)) + B_{\bar{N}}(2N+2627 - B_{\bar{N}}(2N+2625)) + B_{\bar{N}}(2N+2627 - B_{\bar{N}}(2N+2624))$$

$$= B_{\bar{N}}(2N+2627 - (2N+2164)) + B_{\bar{N}}(2N+2627 - (N+2921)) + B_{\bar{N}}(2N+2627 - (2N-129))$$

$$= B_{\bar{N}}(463) + B_{\bar{N}}(N-294) + B_{\bar{N}}(2756) = 463 + (N-294) + 2756 = N + 2925$$

$$(N > 2756)$$

$$B_{\bar{N}}(2N+2628) = B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2627)) + B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2626)) + B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2N+2628-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2629) = B_{\bar{N}}(2N+2629 - B_{\bar{N}}(2N+2628)) + B_{\bar{N}}(2N+2629 - B_{\bar{N}}(2N+2627)) + B_{\bar{N}}(2N+2629 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2630) = B_{\bar{N}}(2N+2630-B_{\bar{N}}(2N+2629)) + B_{\bar{N}}(2N+2630-B_{\bar{N}}(2N+2628)) + B_{\bar{N}}(2N+2630-B_{\bar{N}}(2N+2627))$$

$$= B_{\bar{N}}(2N+2630-(N+2924)) + B_{\bar{N}}(2N+2630-(2N-126)) + B_{\bar{N}}(2N+2630-(N+2925))$$

$$= B_{\bar{N}}(N-294) + B_{\bar{N}}(2756) + B_{\bar{N}}(N-295) = (N-294) + 2756 + (N-295) = 2N + 2167$$

$$(N \ge 2756)$$

$$B_{\bar{N}}(2N+2631) = B_{\bar{N}}(2N+2631-B_{\bar{N}}(2N+2630)) + B_{\bar{N}}(2N+2631-B_{\bar{N}}(2N+2629)) + B_{\bar{N}}(2N+2631-B_{\bar{N}}(2N+2628))$$

$$= B_{\bar{N}}(2N+2631-(2N+2167)) + B_{\bar{N}}(2N+2631-(N+2924)) + B_{\bar{N}}(2N+2631-(2N-126))$$

$$= B_{\bar{N}}(464) + B_{\bar{N}}(N-293) + B_{\bar{N}}(2757) = 464 + (N-293) + 2757 = N + 2928$$

$$(N \ge 2757)$$

$$B_{\bar{N}}(2N+2632) = B_{\bar{N}}(2N+2632-B_{\bar{N}}(2N+2631)) + B_{\bar{N}}(2N+2632-B_{\bar{N}}(2N+2630)) + B_{\bar{N}}(2N+2632-B_{\bar{N}}(2N+2629))$$

$$= B_{\bar{N}}(2N+2632-(N+2928)) + B_{\bar{N}}(2N+2632-(2N+2167)) + B_{\bar{N}}(2N+2632-(N+2924))$$

$$= B_{\bar{N}}(N-296) + B_{\bar{N}}(465) + B_{\bar{N}}(N-292) = (N-296) + 465 + (N-292) = 2N-123$$

$$(N \ge 465)$$

$$B_{\bar{N}}(2N+2633) = B_{\bar{N}}(2N+2633-B_{\bar{N}}(2N+2632)) + B_{\bar{N}}(2N+2633-B_{\bar{N}}(2N+2631)) + B_{\bar{N}}(2N+2633-B_{\bar{N}}(2N+2630))$$

$$= B_{\bar{N}}(2N+2633-(2N-123)) + B_{\bar{N}}(2N+2633-(N+2928)) + B_{\bar{N}}(2N+2633-(2N+2167))$$

$$= B_{\bar{N}}(2756) + B_{\bar{N}}(N-295) + B_{\bar{N}}(466) = 2756 + (N-295) + 466 = N + 2927$$

$$(N \ge 2756)$$

$$B_{\bar{N}}(2N+2634) = B_{\bar{N}}(2N+2634-B_{\bar{N}}(2N+2633)) + B_{\bar{N}}(2N+2634-B_{\bar{N}}(2N+2632)) + B_{\bar{N}}(2N+2634-B_{\bar{N}}(2N+2631))$$

$$= B_{\bar{N}}(2N+2634-(N+2927)) + B_{\bar{N}}(2N+2634-(2N-123)) + B_{\bar{N}}(2N+2634-(N+2928))$$

$$= B_{\bar{N}}(N-293) + B_{\bar{N}}(2757) + B_{\bar{N}}(N-294) = (N-293) + 2757 + (N-294) = 2N+2170$$

$$(N \ge 2757)$$

$$B_{\bar{N}}(2N+2635) = B_{\bar{N}}(2N+2635-B_{\bar{N}}(2N+2634)) + B_{\bar{N}}(2N+2635-B_{\bar{N}}(2N+2633)) + B_{\bar{N}}(2N+2635-B_{\bar{N}}(2N+2632))$$

$$= B_{\bar{N}}(2N+2635-(2N+2170)) + B_{\bar{N}}(2N+2635-(N+2927)) + B_{\bar{N}}(2N+2635-(2N-123))$$

$$= B_{\bar{N}}(465) + B_{\bar{N}}(N-292) + B_{\bar{N}}(2758) = 465 + (N-292) + 2758 = N + 2931$$

$$(N \ge 2758)$$

$$B_{\bar{N}}(2N+2636) = B_{\bar{N}}(2N+2636-B_{\bar{N}}(2N+2635)) + B_{\bar{N}}(2N+2636-B_{\bar{N}}(2N+2634)) + B_{\bar{N}}(2N+2636-B_{\bar{N}}(2N+2633))$$

$$= B_{\bar{N}}(2N+2636-(N+2931)) + B_{\bar{N}}(2N+2636-(2N+2170)) + B_{\bar{N}}(2N+2636-(N+2927))$$

$$= B_{\bar{N}}(N-295) + B_{\bar{N}}(466) + B_{\bar{N}}(N-291) = (N-295) + 466 + (N-291) = 2N-120$$

$$(N \ge 466)$$

$$B_{\bar{N}}(2N+2637) = B_{\bar{N}}(2N+2637 - B_{\bar{N}}(2N+2636)) + B_{\bar{N}}(2N+2637 - B_{\bar{N}}(2N+2635)) + B_{\bar{N}}(2N+2637 - B_{\bar{N}}(2N+2634))$$

$$= B_{\bar{N}}(2N+2637 - (2N-120)) + B_{\bar{N}}(2N+2637 - (N+2931)) + B_{\bar{N}}(2N+2637 - (2N+2170))$$

$$= B_{\bar{N}}(2757) + B_{\bar{N}}(N-294) + B_{\bar{N}}(467) = 2757 + (N-294) + 467 = N + 2930$$

$$(N \ge 2757)$$

$$B_{\bar{N}}(2N+2638) = B_{\bar{N}}(2N+2638-B_{\bar{N}}(2N+2637)) + B_{\bar{N}}(2N+2638-B_{\bar{N}}(2N+2636)) + B_{\bar{N}}(2N+2638-B_{\bar{N}}(2N+2635))$$

$$= B_{\bar{N}}(2N+2638-(N+2930)) + B_{\bar{N}}(2N+2638-(2N-120)) + B_{\bar{N}}(2N+2638-(N+2931))$$

$$= B_{\bar{N}}(N-292) + B_{\bar{N}}(2758) + B_{\bar{N}}(N-293) = (N-292) + 2758 + (N-293) = 2N + 2173$$

$$(N \ge 2758)$$

$$B_{\bar{N}}(2N+2639) = B_{\bar{N}}(2N+2639 - B_{\bar{N}}(2N+2638)) + B_{\bar{N}}(2N+2639 - B_{\bar{N}}(2N+2637)) + B_{\bar{N}}(2N+2639 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2640) = B_{\bar{N}}(2N+2640 - B_{\bar{N}}(2N+2639)) + B_{\bar{N}}(2N+2640 - B_{\bar{N}}(2N+2638)) + B_{\bar{N}}(2N+2640 - B_{\bar{N}}(2N+2637))$$

$$= B_{\bar{N}}(2N+2640 - (N+2934)) + B_{\bar{N}}(2N+2640 - (2N+2173)) + B_{\bar{N}}(2N+2640 - (N+2930))$$

$$= B_{\bar{N}}(N-294) + B_{\bar{N}}(467) + B_{\bar{N}}(N-290) = (N-294) + 467 + (N-290) = 2N-117$$

$$(N \ge 467)$$

$$B_{\bar{N}}(2N+2641) = B_{\bar{N}}(2N+2641 - B_{\bar{N}}(2N+2640)) + B_{\bar{N}}(2N+2641 - B_{\bar{N}}(2N+2639)) + B_{\bar{N}}(2N+2641 - B_{\bar{N}}(2N+2638))$$

$$= B_{\bar{N}}(2N+2641 - (2N-117)) + B_{\bar{N}}(2N+2641 - (N+2934)) + B_{\bar{N}}(2N+2641 - (2N+2173))$$

$$= B_{\bar{N}}(2758) + B_{\bar{N}}(N-293) + B_{\bar{N}}(468) = 2758 + (N-293) + 468 = N + 2933$$

$$(N \ge 2758)$$

$$B_{\bar{N}}(2N+2642) = B_{\bar{N}}(2N+2642-B_{\bar{N}}(2N+2641)) + B_{\bar{N}}(2N+2642-B_{\bar{N}}(2N+2640)) + B_{\bar{N}}(2N+2642-B_{\bar{N}}(2N+2639))$$

$$= B_{\bar{N}}(2N+2642-(N+2933)) + B_{\bar{N}}(2N+2642-(2N-117)) + B_{\bar{N}}(2N+2642-(N+2934))$$

$$= B_{\bar{N}}(N-291) + B_{\bar{N}}(2759) + B_{\bar{N}}(N-292) = (N-291) + 2759 + (N-292) = 2N + 2176$$

$$(N \ge 2759)$$

$$B_{\bar{N}}(2N+2643) = B_{\bar{N}}(2N+2643 - B_{\bar{N}}(2N+2642)) + B_{\bar{N}}(2N+2643 - B_{\bar{N}}(2N+2641)) + B_{\bar{N}}(2N+2643 - B_{\bar{N}}(2N+2640))$$

$$= B_{\bar{N}}(2N+2643 - (2N+2176)) + B_{\bar{N}}(2N+2643 - (N+2933)) + B_{\bar{N}}(2N+2643 - (2N-117))$$

$$= B_{\bar{N}}(467) + B_{\bar{N}}(N-290) + B_{\bar{N}}(2760) = 467 + (N-290) + 2760 = N + 2937$$

$$(N \ge 2760)$$

$$B_{\bar{N}}(2N+2644) = B_{\bar{N}}(2N+2644-B_{\bar{N}}(2N+2643)) + B_{\bar{N}}(2N+2644-B_{\bar{N}}(2N+2642)) + B_{\bar{N}}(2N+2644-B_{\bar{N}}(2N+2641))$$

$$= B_{\bar{N}}(2N+2644-(N+2937)) + B_{\bar{N}}(2N+2644-(2N+2176)) + B_{\bar{N}}(2N+2644-(N+2933))$$

$$= B_{\bar{N}}(N-293) + B_{\bar{N}}(468) + B_{\bar{N}}(N-289) = (N-293) + 468 + (N-289) = 2N-114$$

$$(N \ge 468)$$

$$B_{\bar{N}}(2N+2645) = B_{\bar{N}}(2N+2645-B_{\bar{N}}(2N+2644)) + B_{\bar{N}}(2N+2645-B_{\bar{N}}(2N+2643)) + B_{\bar{N}}(2N+2645-B_{\bar{N}}(2N+2645))$$

$$= B_{\bar{N}}(2N+2645-(2N-114)) + B_{\bar{N}}(2N+2645-(N+2937)) + B_{\bar{N}}(2N+2645-(2N+2176))$$

$$= B_{\bar{N}}(2759) + B_{\bar{N}}(N-292) + B_{\bar{N}}(469) = 2759 + (N-292) + 469 = N + 2936$$

$$(N \ge 2759)$$

$$B_{\bar{N}}(2N+2646) = B_{\bar{N}}(2N+2646-B_{\bar{N}}(2N+2645)) + B_{\bar{N}}(2N+2646-B_{\bar{N}}(2N+2644)) + B_{\bar{N}}(2N+2646-B_{\bar{N}}(2N+2643))$$

$$= B_{\bar{N}}(2N+2646-(N+2936)) + B_{\bar{N}}(2N+2646-(2N-114)) + B_{\bar{N}}(2N+2646-(N+2937))$$

$$= B_{\bar{N}}(N-290) + B_{\bar{N}}(2760) + B_{\bar{N}}(N-291) = (N-290) + 2760 + (N-291) = 2N + 2179$$

$$(N > 2760)$$

$$B_{\bar{N}}(2N+2647) = B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2646)) + B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2645)) + B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2647 - B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2647) + B_{\bar$$

$$B_{\bar{N}}(2N+2648) = B_{\bar{N}}(2N+2648-B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2648-B_{\bar{N}}(2N+2646)) + B_{\bar{N}}(2N+2648-B_{\bar{N}}(2N+2645))$$

$$= B_{\bar{N}}(2N+2648-(N+2940)) + B_{\bar{N}}(2N+2648-(2N+2179)) + B_{\bar{N}}(2N+2648-(N+2936))$$

$$= B_{\bar{N}}(N-292) + B_{\bar{N}}(469) + B_{\bar{N}}(N-288) = (N-292) + 469 + (N-288) = 2N-111$$

$$(N \ge 469)$$

$$B_{\bar{N}}(2N+2649) = B_{\bar{N}}(2N+2649 - B_{\bar{N}}(2N+2648)) + B_{\bar{N}}(2N+2649 - B_{\bar{N}}(2N+2647)) + B_{\bar{N}}(2N+2649 - B_{\bar{N}}(2N+2649))$$

$$= B_{\bar{N}}(2N+2649 - (2N-111)) + B_{\bar{N}}(2N+2649 - (N+2940)) + B_{\bar{N}}(2N+2649 - (2N+2179))$$

$$= B_{\bar{N}}(2760) + B_{\bar{N}}(N-291) + B_{\bar{N}}(470) = 2760 + (N-291) + 470 = N + 2939$$

$$(N \ge 2760)$$

$$B_{\bar{N}}(2N+2650) = B_{\bar{N}}(2N+2650-B_{\bar{N}}(2N+2649)) + B_{\bar{N}}(2N+2650-B_{\bar{N}}(2N+2648)) + B_{\bar{N}}(2N+2650-B_{\bar{N}}(2N+2647))$$

$$= B_{\bar{N}}(2N+2650-(N+2939)) + B_{\bar{N}}(2N+2650-(2N-111)) + B_{\bar{N}}(2N+2650-(N+2940))$$

$$= B_{\bar{N}}(N-289) + B_{\bar{N}}(2761) + B_{\bar{N}}(N-290) = (N-289) + 2761 + (N-290) = 2N + 2182$$

$$(N \ge 2761)$$

$$B_{\bar{N}}(2N+2651) = B_{\bar{N}}(2N+2651 - B_{\bar{N}}(2N+2650)) + B_{\bar{N}}(2N+2651 - B_{\bar{N}}(2N+2649)) + B_{\bar{N}}(2N+2651 - B_{\bar{N}}(2N+2648))$$

$$= B_{\bar{N}}(2N+2651 - (2N+2182)) + B_{\bar{N}}(2N+2651 - (N+2939)) + B_{\bar{N}}(2N+2651 - (2N-111))$$

$$= B_{\bar{N}}(469) + B_{\bar{N}}(N-288) + B_{\bar{N}}(2762) = 469 + (N-288) + 2762 = N + 2943$$

$$(N \ge 2762)$$

$$B_{\bar{N}}(2N+2652) = B_{\bar{N}}(2N+2652 - B_{\bar{N}}(2N+2651)) + B_{\bar{N}}(2N+2652 - B_{\bar{N}}(2N+2650)) + B_{\bar{N}}(2N+2652 - B_{\bar{N}}(2N+2649))$$

$$= B_{\bar{N}}(2N+2652 - (N+2943)) + B_{\bar{N}}(2N+2652 - (2N+2182)) + B_{\bar{N}}(2N+2652 - (N+2939))$$

$$= B_{\bar{N}}(N-291) + B_{\bar{N}}(470) + B_{\bar{N}}(N-287) = (N-291) + 470 + (N-287) = 2N - 108$$

$$(N > 470)$$

$$B_{\bar{N}}(2N+2653) = B_{\bar{N}}(2N+2653-B_{\bar{N}}(2N+2652)) + B_{\bar{N}}(2N+2653-B_{\bar{N}}(2N+2651)) + B_{\bar{N}}(2N+2653-B_{\bar{N}}(2N+2650))$$

$$= B_{\bar{N}}(2N+2653-(2N-108)) + B_{\bar{N}}(2N+2653-(N+2943)) + B_{\bar{N}}(2N+2653-(2N+2182))$$

$$= B_{\bar{N}}(2761) + B_{\bar{N}}(N-290) + B_{\bar{N}}(471) = 2761 + (N-290) + 471 = N + 2942$$

$$(N \ge 2761)$$

$$B_{\bar{N}}(2N+2654) = B_{\bar{N}}(2N+2654 - B_{\bar{N}}(2N+2653)) + B_{\bar{N}}(2N+2654 - B_{\bar{N}}(2N+2652)) + B_{\bar{N}}(2N+2654 - B_{\bar{N}}(2N+2651))$$

$$= B_{\bar{N}}(2N+2654 - (N+2942)) + B_{\bar{N}}(2N+2654 - (2N-108)) + B_{\bar{N}}(2N+2654 - (N+2943))$$

$$= B_{\bar{N}}(N-288) + B_{\bar{N}}(2762) + B_{\bar{N}}(N-289) = (N-288) + 2762 + (N-289) = 2N + 2185$$

$$(N \ge 2762)$$

$$B_{\bar{N}}(2N+2655) = B_{\bar{N}}(2N+2655-B_{\bar{N}}(2N+2654)) + B_{\bar{N}}(2N+2655-B_{\bar{N}}(2N+2653)) + B_{\bar{N}}(2N+2655-B_{\bar{N}}(2N+2652))$$

$$= B_{\bar{N}}(2N+2655-(2N+2185)) + B_{\bar{N}}(2N+2655-(N+2942)) + B_{\bar{N}}(2N+2655-(2N-108))$$

$$= B_{\bar{N}}(470) + B_{\bar{N}}(N-287) + B_{\bar{N}}(2763) = 470 + (N-287) + 2763 = N + 2946$$

$$(N \ge 2763)$$

$$B_{\bar{N}}(2N+2656) = B_{\bar{N}}(2N+2656-B_{\bar{N}}(2N+2655)) + B_{\bar{N}}(2N+2656-B_{\bar{N}}(2N+2654)) + B_{\bar{N}}(2N+2656-B_{\bar{N}}(2N+2653))$$

$$= B_{\bar{N}}(2N+2656-(N+2946)) + B_{\bar{N}}(2N+2656-(2N+2185)) + B_{\bar{N}}(2N+2656-(N+2942))$$

$$= B_{\bar{N}}(N-290) + B_{\bar{N}}(471) + B_{\bar{N}}(N-286) = (N-290) + 471 + (N-286) = 2N-105$$

$$(N \ge 471)$$

$$B_{\bar{N}}(2N+2657) = B_{\bar{N}}(2N+2657 - B_{\bar{N}}(2N+2656)) + B_{\bar{N}}(2N+2657 - B_{\bar{N}}(2N+2657)) + B_{\bar{N}}(2N+2657 - B_{\bar{N}}(2N+2654))$$

$$= B_{\bar{N}}(2N+2657 - (2N-105)) + B_{\bar{N}}(2N+2657 - (N+2946)) + B_{\bar{N}}(2N+2657 - (2N+2185))$$

$$= B_{\bar{N}}(2762) + B_{\bar{N}}(N-289) + B_{\bar{N}}(472) = 2762 + (N-289) + 472 = N + 2945$$

$$(N \ge 2762)$$

$$B_{\bar{N}}(2N+2658) = B_{\bar{N}}(2N+2658-B_{\bar{N}}(2N+2657)) + B_{\bar{N}}(2N+2658-B_{\bar{N}}(2N+2656)) + B_{\bar{N}}(2N+2658-B_{\bar{N}}(2N+2655))$$

$$= B_{\bar{N}}(2N+2658-(N+2945)) + B_{\bar{N}}(2N+2658-(2N-105)) + B_{\bar{N}}(2N+2658-(N+2946))$$

$$= B_{\bar{N}}(N-287) + B_{\bar{N}}(2763) + B_{\bar{N}}(N-288) = (N-287) + 2763 + (N-288) = 2N + 2188$$

$$(N \ge 2763)$$

$$B_{\bar{N}}(2N+2659) = B_{\bar{N}}(2N+2659 - B_{\bar{N}}(2N+2658)) + B_{\bar{N}}(2N+2659 - B_{\bar{N}}(2N+2657)) + B_{\bar{N}}(2N+2659 - B_{\bar{N}}(2N+2659))$$

$$= B_{\bar{N}}(2N+2659 - (2N+2188)) + B_{\bar{N}}(2N+2659 - (N+2945)) + B_{\bar{N}}(2N+2659 - (2N-105))$$

$$= B_{\bar{N}}(471) + B_{\bar{N}}(N-286) + B_{\bar{N}}(2764) = 471 + (N-286) + 2764 = N + 2949$$

$$(N \ge 2764)$$

$$B_{\bar{N}}(2N+2660) = B_{\bar{N}}(2N+2660 - B_{\bar{N}}(2N+2659)) + B_{\bar{N}}(2N+2660 - B_{\bar{N}}(2N+2658)) + B_{\bar{N}}(2N+2660 - B_{\bar{N}}(2N+2657))$$

$$= B_{\bar{N}}(2N+2660 - (N+2949)) + B_{\bar{N}}(2N+2660 - (2N+2188)) + B_{\bar{N}}(2N+2660 - (N+2945))$$

$$= B_{\bar{N}}(N-289) + B_{\bar{N}}(472) + B_{\bar{N}}(N-285) = (N-289) + 472 + (N-285) = 2N - 102$$

$$(N \ge 472)$$

$$B_{\bar{N}}(2N+2661) = B_{\bar{N}}(2N+2661 - B_{\bar{N}}(2N+2660)) + B_{\bar{N}}(2N+2661 - B_{\bar{N}}(2N+2659)) + B_{\bar{N}}(2N+2661 - B_{\bar{N}}(2N+2658))$$

$$= B_{\bar{N}}(2N+2661 - (2N-102)) + B_{\bar{N}}(2N+2661 - (N+2949)) + B_{\bar{N}}(2N+2661 - (2N+2188))$$

$$= B_{\bar{N}}(2763) + B_{\bar{N}}(N-288) + B_{\bar{N}}(473) = 2763 + (N-288) + 473 = N + 2948$$

$$(N \ge 2763)$$

$$B_{\bar{N}}(2N+2662) = B_{\bar{N}}(2N+2662 - B_{\bar{N}}(2N+2661)) + B_{\bar{N}}(2N+2662 - B_{\bar{N}}(2N+2660)) + B_{\bar{N}}(2N+2662 - B_{\bar{N}}(2N+2659))$$

$$= B_{\bar{N}}(2N+2662 - (N+2948)) + B_{\bar{N}}(2N+2662 - (2N-102)) + B_{\bar{N}}(2N+2662 - (N+2949))$$

$$= B_{\bar{N}}(N-286) + B_{\bar{N}}(2764) + B_{\bar{N}}(N-287) = (N-286) + 2764 + (N-287) = 2N + 2191$$

$$(N \ge 2764)$$

$$B_{\bar{N}}(2N+2663) = B_{\bar{N}}(2N+2663 - B_{\bar{N}}(2N+2662)) + B_{\bar{N}}(2N+2663 - B_{\bar{N}}(2N+2661)) + B_{\bar{N}}(2N+2663 - B_{\bar{N}}(2N+2663))$$

$$= B_{\bar{N}}(2N+2663 - (2N+2191)) + B_{\bar{N}}(2N+2663 - (N+2948)) + B_{\bar{N}}(2N+2663 - (2N-102))$$

$$= B_{\bar{N}}(472) + B_{\bar{N}}(N-285) + B_{\bar{N}}(2765) = 472 + (N-285) + 2765 = N + 2952$$

$$(N \ge 2765)$$

$$B_{\bar{N}}(2N+2664) = B_{\bar{N}}(2N+2664-B_{\bar{N}}(2N+2663)) + B_{\bar{N}}(2N+2664-B_{\bar{N}}(2N+2662)) + B_{\bar{N}}(2N+2664-B_{\bar{N}}(2N+2661))$$

$$= B_{\bar{N}}(2N+2664-(N+2952)) + B_{\bar{N}}(2N+2664-(2N+2191)) + B_{\bar{N}}(2N+2664-(N+2948))$$

$$= B_{\bar{N}}(N-288) + B_{\bar{N}}(473) + B_{\bar{N}}(N-284) = (N-288) + 473 + (N-284) = 2N-99$$

$$(N \ge 473)$$

$$B_{\bar{N}}(2N+2665) = B_{\bar{N}}(2N+2665-B_{\bar{N}}(2N+2664)) + B_{\bar{N}}(2N+2665-B_{\bar{N}}(2N+2663)) + B_{\bar{N}}(2N+2665-B_{\bar{N}}(2N+2662))$$

$$= B_{\bar{N}}(2N+2665-(2N-99)) + B_{\bar{N}}(2N+2665-(N+2952)) + B_{\bar{N}}(2N+2665-(2N+2191))$$

$$= B_{\bar{N}}(2764) + B_{\bar{N}}(N-287) + B_{\bar{N}}(474) = 2764 + (N-287) + 474 = N + 2951$$

$$(N \ge 2764)$$

$$B_{\bar{N}}(2N+2666) = B_{\bar{N}}(2N+2666-B_{\bar{N}}(2N+2665)) + B_{\bar{N}}(2N+2666-B_{\bar{N}}(2N+2664)) + B_{\bar{N}}(2N+2666-B_{\bar{N}}(2N+2663))$$

$$= B_{\bar{N}}(2N+2666-(N+2951)) + B_{\bar{N}}(2N+2666-(2N-99)) + B_{\bar{N}}(2N+2666-(N+2952))$$

$$= B_{\bar{N}}(N-285) + B_{\bar{N}}(2765) + B_{\bar{N}}(N-286) = (N-285) + 2765 + (N-286) = 2N + 2194$$

$$(N > 2765)$$

$$B_{\bar{N}}(2N+2667) = B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2666)) + B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2665)) + B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2667 - B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2667) + B_{\bar$$

$$B_{\bar{N}}(2N+2668) = B_{\bar{N}}(2N+2668-B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2668-B_{\bar{N}}(2N+2666)) + B_{\bar{N}}(2N+2668-B_{\bar{N}}(2N+2665))$$

$$= B_{\bar{N}}(2N+2668-(N+2955)) + B_{\bar{N}}(2N+2668-(2N+2194)) + B_{\bar{N}}(2N+2668-(N+2951))$$

$$= B_{\bar{N}}(N-287) + B_{\bar{N}}(474) + B_{\bar{N}}(N-283) = (N-287) + 474 + (N-283) = 2N-96$$

$$(N \ge 474)$$

$$B_{\bar{N}}(2N+2669) = B_{\bar{N}}(2N+2669 - B_{\bar{N}}(2N+2668)) + B_{\bar{N}}(2N+2669 - B_{\bar{N}}(2N+2667)) + B_{\bar{N}}(2N+2669 - B_{\bar{N}}(2N+2669))$$

$$= B_{\bar{N}}(2N+2669 - (2N-96)) + B_{\bar{N}}(2N+2669 - (N+2955)) + B_{\bar{N}}(2N+2669 - (2N+2194))$$

$$= B_{\bar{N}}(2765) + B_{\bar{N}}(N-286) + B_{\bar{N}}(475) = 2765 + (N-286) + 475 = N + 2954$$

$$(N \ge 2765)$$

$$B_{\bar{N}}(2N+2670) = B_{\bar{N}}(2N+2670 - B_{\bar{N}}(2N+2669)) + B_{\bar{N}}(2N+2670 - B_{\bar{N}}(2N+2668)) + B_{\bar{N}}(2N+2670 - B_{\bar{N}}(2N+2667))$$

$$= B_{\bar{N}}(2N+2670 - (N+2954)) + B_{\bar{N}}(2N+2670 - (2N-96)) + B_{\bar{N}}(2N+2670 - (N+2955))$$

$$= B_{\bar{N}}(N-284) + B_{\bar{N}}(2766) + B_{\bar{N}}(N-285) = (N-284) + 2766 + (N-285) = 2N + 2197$$

$$(N \ge 2766)$$

$$B_{\bar{N}}(2N+2671) = B_{\bar{N}}(2N+2671 - B_{\bar{N}}(2N+2670)) + B_{\bar{N}}(2N+2671 - B_{\bar{N}}(2N+2669)) + B_{\bar{N}}(2N+2671 - B_{\bar{N}}(2N+2668))$$

$$= B_{\bar{N}}(2N+2671 - (2N+2197)) + B_{\bar{N}}(2N+2671 - (N+2954)) + B_{\bar{N}}(2N+2671 - (2N-96))$$

$$= B_{\bar{N}}(474) + B_{\bar{N}}(N-283) + B_{\bar{N}}(2767) = 474 + (N-283) + 2767 = N + 2958$$

$$(N > 2767)$$

$$B_{\bar{N}}(2N+2672) = B_{\bar{N}}(2N+2672 - B_{\bar{N}}(2N+2671)) + B_{\bar{N}}(2N+2672 - B_{\bar{N}}(2N+2670)) + B_{\bar{N}}(2N+2672 - B_{\bar{N}}(2N+2669))$$

$$= B_{\bar{N}}(2N+2672 - (N+2958)) + B_{\bar{N}}(2N+2672 - (2N+2197)) + B_{\bar{N}}(2N+2672 - (N+2954))$$

$$= B_{\bar{N}}(N-286) + B_{\bar{N}}(475) + B_{\bar{N}}(N-282) = (N-286) + 475 + (N-282) = 2N-93$$

$$(N \ge 475)$$

$$B_{\bar{N}}(2N+2673) = B_{\bar{N}}(2N+2673 - B_{\bar{N}}(2N+2672)) + B_{\bar{N}}(2N+2673 - B_{\bar{N}}(2N+2671)) + B_{\bar{N}}(2N+2673 - B_{\bar{N}}(2N+2670)) = B_{\bar{N}}(2N+2673 - (2N-93)) + B_{\bar{N}}(2N+2673 - (N+2958)) + B_{\bar{N}}(2N+2673 - (2N+2197)) = B_{\bar{N}}(2766) + B_{\bar{N}}(N-285) + B_{\bar{N}}(476) = 2766 + (N-285) + 476 = N + 2957 (N \ge 2766)$$

$$B_{\bar{N}}(2N+2674) = B_{\bar{N}}(2N+2674 - B_{\bar{N}}(2N+2673)) + B_{\bar{N}}(2N+2674 - B_{\bar{N}}(2N+2672)) + B_{\bar{N}}(2N+2674 - B_{\bar{N}}(2N+2674))$$

$$= B_{\bar{N}}(2N+2674 - (N+2957)) + B_{\bar{N}}(2N+2674 - (2N-93)) + B_{\bar{N}}(2N+2674 - (N+2958))$$

$$= B_{\bar{N}}(N-283) + B_{\bar{N}}(2767) + B_{\bar{N}}(N-284) = (N-283) + 2767 + (N-284) = 2N + 2200$$

$$(N \ge 2767)$$

$$B_{\bar{N}}(2N+2675) = B_{\bar{N}}(2N+2675 - B_{\bar{N}}(2N+2674)) + B_{\bar{N}}(2N+2675 - B_{\bar{N}}(2N+2673)) + B_{\bar{N}}(2N+2675 - B_{\bar{N}}(2N+2672))$$

$$= B_{\bar{N}}(2N+2675 - (2N+2200)) + B_{\bar{N}}(2N+2675 - (N+2957)) + B_{\bar{N}}(2N+2675 - (2N-93))$$

$$= B_{\bar{N}}(475) + B_{\bar{N}}(N-282) + B_{\bar{N}}(2768) = 475 + (N-282) + 2768 = N + 2961$$

$$(N \ge 2768)$$

$$B_{\bar{N}}(2N+2676) = B_{\bar{N}}(2N+2676 - B_{\bar{N}}(2N+2675)) + B_{\bar{N}}(2N+2676 - B_{\bar{N}}(2N+2674)) + B_{\bar{N}}(2N+2676 - B_{\bar{N}}(2N+2676))$$

$$= B_{\bar{N}}(2N+2676 - (N+2961)) + B_{\bar{N}}(2N+2676 - (2N+2200)) + B_{\bar{N}}(2N+2676 - (N+2957))$$

$$= B_{\bar{N}}(N-285) + B_{\bar{N}}(476) + B_{\bar{N}}(N-281) = (N-285) + 476 + (N-281) = 2N-90$$

$$(N \ge 476)$$

$$B_{\bar{N}}(2N+2677) = B_{\bar{N}}(2N+2677 - B_{\bar{N}}(2N+2676)) + B_{\bar{N}}(2N+2677 - B_{\bar{N}}(2N+2675)) + B_{\bar{N}}(2N+2677 - B_{\bar{N}}(2N+2674))$$

$$= B_{\bar{N}}(2N+2677 - (2N-90)) + B_{\bar{N}}(2N+2677 - (N+2961)) + B_{\bar{N}}(2N+2677 - (2N+2200))$$

$$= B_{\bar{N}}(2767) + B_{\bar{N}}(N-284) + B_{\bar{N}}(477) = 2767 + (N-284) + 477 = N + 2960$$

$$(N \ge 2767)$$

$$B_{\bar{N}}(2N+2678) = B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2677)) + B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2676)) + B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2N+2678-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2679) = B_{\bar{N}}(2N+2679 - B_{\bar{N}}(2N+2678)) + B_{\bar{N}}(2N+2679 - B_{\bar{N}}(2N+2677)) + B_{\bar{N}}(2N+2679 - B_{\bar{N}}(2N+2679))$$

$$= B_{\bar{N}}(2N+2679 - (2N+2203)) + B_{\bar{N}}(2N+2679 - (N+2960)) + B_{\bar{N}}(2N+2679 - (2N-90))$$

$$= B_{\bar{N}}(476) + B_{\bar{N}}(N-281) + B_{\bar{N}}(2769) = 476 + (N-281) + 2769 = N + 2964$$

$$(N \ge 2769)$$

$$B_{\bar{N}}(2N+2680) = B_{\bar{N}}(2N+2680 - B_{\bar{N}}(2N+2679)) + B_{\bar{N}}(2N+2680 - B_{\bar{N}}(2N+2678)) + B_{\bar{N}}(2N+2680 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2681) = B_{\bar{N}}(2N+2681-B_{\bar{N}}(2N+2680)) + B_{\bar{N}}(2N+2681-B_{\bar{N}}(2N+2679)) + B_{\bar{N}}(2N+2681-B_{\bar{N}}(2N+2678))$$

$$= B_{\bar{N}}(2N+2681-(2N-87)) + B_{\bar{N}}(2N+2681-(N+2964)) + B_{\bar{N}}(2N+2681-(2N+2203))$$

$$= B_{\bar{N}}(2768) + B_{\bar{N}}(N-283) + B_{\bar{N}}(478) = 2768 + (N-283) + 478 = N + 2963$$

$$(N > 2768)$$

$$B_{\bar{N}}(2N+2682) = B_{\bar{N}}(2N+2682-B_{\bar{N}}(2N+2681)) + B_{\bar{N}}(2N+2682-B_{\bar{N}}(2N+2680)) + B_{\bar{N}}(2N+2682-B_{\bar{N}}(2N+2679))$$

$$= B_{\bar{N}}(2N+2682-(N+2963)) + B_{\bar{N}}(2N+2682-(2N-87)) + B_{\bar{N}}(2N+2682-(N+2964))$$

$$= B_{\bar{N}}(N-281) + B_{\bar{N}}(2769) + B_{\bar{N}}(N-282) = (N-281) + 2769 + (N-282) = 2N + 2206$$

$$(N \ge 2769)$$

$$B_{\bar{N}}(2N+2683) = B_{\bar{N}}(2N+2683-B_{\bar{N}}(2N+2682)) + B_{\bar{N}}(2N+2683-B_{\bar{N}}(2N+2681)) + B_{\bar{N}}(2N+2683-B_{\bar{N}}(2N+2683)) = B_{\bar{N}}(2N+2683-(2N+2206)) + B_{\bar{N}}(2N+2683-(N+2963)) + B_{\bar{N}}(2N+2683-(2N-87)) = B_{\bar{N}}(477) + B_{\bar{N}}(N-280) + B_{\bar{N}}(2770) = 477 + (N-280) + 2770 = N + 2967 (N \ge 2770)$$

$$B_{\bar{N}}(2N+2684) = B_{\bar{N}}(2N+2684-B_{\bar{N}}(2N+2683)) + B_{\bar{N}}(2N+2684-B_{\bar{N}}(2N+2682)) + B_{\bar{N}}(2N+2684-B_{\bar{N}}(2N+2681))$$

$$= B_{\bar{N}}(2N+2684-(N+2967)) + B_{\bar{N}}(2N+2684-(2N+2206)) + B_{\bar{N}}(2N+2684-(N+2963))$$

$$= B_{\bar{N}}(N-283) + B_{\bar{N}}(478) + B_{\bar{N}}(N-279) = (N-283) + 478 + (N-279) = 2N-84$$

$$(N \ge 478)$$

$$B_{\bar{N}}(2N+2685) = B_{\bar{N}}(2N+2685-B_{\bar{N}}(2N+2684)) + B_{\bar{N}}(2N+2685-B_{\bar{N}}(2N+2683)) + B_{\bar{N}}(2N+2685-B_{\bar{N}}(2N+2682))$$

$$= B_{\bar{N}}(2N+2685-(2N-84)) + B_{\bar{N}}(2N+2685-(N+2967)) + B_{\bar{N}}(2N+2685-(2N+2206))$$

$$= B_{\bar{N}}(2769) + B_{\bar{N}}(N-282) + B_{\bar{N}}(479) = 2769 + (N-282) + 479 = N + 2966$$

$$(N \ge 2769)$$

$$B_{\bar{N}}(2N+2686) = B_{\bar{N}}(2N+2686-B_{\bar{N}}(2N+2685)) + B_{\bar{N}}(2N+2686-B_{\bar{N}}(2N+2684)) + B_{\bar{N}}(2N+2686-B_{\bar{N}}(2N+2683))$$

$$= B_{\bar{N}}(2N+2686-(N+2966)) + B_{\bar{N}}(2N+2686-(2N-84)) + B_{\bar{N}}(2N+2686-(N+2967))$$

$$= B_{\bar{N}}(N-280) + B_{\bar{N}}(2770) + B_{\bar{N}}(N-281) = (N-280) + 2770 + (N-281) = 2N + 2209$$

$$(N \ge 2770)$$

$$B_{\bar{N}}(2N+2687) = B_{\bar{N}}(2N+2687 - B_{\bar{N}}(2N+2686)) + B_{\bar{N}}(2N+2687 - B_{\bar{N}}(2N+2685)) + B_{\bar{N}}(2N+2687 - B_{\bar{N}}(2N+2684))$$

$$= B_{\bar{N}}(2N+2687 - (2N+2209)) + B_{\bar{N}}(2N+2687 - (N+2966)) + B_{\bar{N}}(2N+2687 - (2N-84))$$

$$= B_{\bar{N}}(478) + B_{\bar{N}}(N-279) + B_{\bar{N}}(2771) = 478 + (N-279) + 2771 = N + 2970$$

$$(N \ge 2771)$$

$$B_{\bar{N}}(2N+2688) = B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2687)) + B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2686)) + B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2N+2688-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2689) = B_{\bar{N}}(2N+2689 - B_{\bar{N}}(2N+2688)) + B_{\bar{N}}(2N+2689 - B_{\bar{N}}(2N+2687)) + B_{\bar{N}}(2N+2689 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+2690) &= B_{\bar{N}}(2N+2690-B_{\bar{N}}(2N+2689)) + B_{\bar{N}}(2N+2690-B_{\bar{N}}(2N+2688)) + B_{\bar{N}}(2N+2690-B_{\bar{N}}(2N+2687)) \\ &= B_{\bar{N}}(2N+2690-(N+2969)) + B_{\bar{N}}(2N+2690-(2N-81)) + B_{\bar{N}}(2N+2690-(N+2970)) \\ &= B_{\bar{N}}(N-279) + B_{\bar{N}}(2771) + B_{\bar{N}}(N-280) = (N-279) + 2771 + (N-280) = 2N+2212 \\ &(N \geq 2771) \end{split}$$

$$B_{\bar{N}}(2N+2691) = B_{\bar{N}}(2N+2691-B_{\bar{N}}(2N+2690)) + B_{\bar{N}}(2N+2691-B_{\bar{N}}(2N+2689)) + B_{\bar{N}}(2N+2691-B_{\bar{N}}(2N+2688))$$

$$= B_{\bar{N}}(2N+2691-(2N+2212)) + B_{\bar{N}}(2N+2691-(N+2969)) + B_{\bar{N}}(2N+2691-(2N-81))$$

$$= B_{\bar{N}}(479) + B_{\bar{N}}(N-278) + B_{\bar{N}}(2772) = 479 + (N-278) + 2772 = N + 2973$$

$$(N \ge 2772)$$

$$B_{\bar{N}}(2N+2692) = B_{\bar{N}}(2N+2692 - B_{\bar{N}}(2N+2691)) + B_{\bar{N}}(2N+2692 - B_{\bar{N}}(2N+2690)) + B_{\bar{N}}(2N+2692 - B_{\bar{N}}(2N+2689))$$

$$= B_{\bar{N}}(2N+2692 - (N+2973)) + B_{\bar{N}}(2N+2692 - (2N+2212)) + B_{\bar{N}}(2N+2692 - (N+2969))$$

$$= B_{\bar{N}}(N-281) + B_{\bar{N}}(480) + B_{\bar{N}}(N-277) = (N-281) + 480 + (N-277) = 2N-78$$

$$(N \ge 480)$$

$$B_{\bar{N}}(2N+2693) = B_{\bar{N}}(2N+2693 - B_{\bar{N}}(2N+2692)) + B_{\bar{N}}(2N+2693 - B_{\bar{N}}(2N+2691)) + B_{\bar{N}}(2N+2693 - B_{\bar{N}}(2N+2690))$$

$$= B_{\bar{N}}(2N+2693 - (2N-78)) + B_{\bar{N}}(2N+2693 - (N+2973)) + B_{\bar{N}}(2N+2693 - (2N+2212))$$

$$= B_{\bar{N}}(2771) + B_{\bar{N}}(N-280) + B_{\bar{N}}(481) = 2771 + (N-280) + 481 = N + 2972$$

$$(N \ge 2771)$$

$$B_{\bar{N}}(2N+2694) = B_{\bar{N}}(2N+2694-B_{\bar{N}}(2N+2693)) + B_{\bar{N}}(2N+2694-B_{\bar{N}}(2N+2692)) + B_{\bar{N}}(2N+2694-B_{\bar{N}}(2N+2691))$$

$$= B_{\bar{N}}(2N+2694-(N+2972)) + B_{\bar{N}}(2N+2694-(2N-78)) + B_{\bar{N}}(2N+2694-(N+2973))$$

$$= B_{\bar{N}}(N-278) + B_{\bar{N}}(2772) + B_{\bar{N}}(N-279) = (N-278) + 2772 + (N-279) = 2N + 2215$$

$$(N \ge 2772)$$

$$B_{\bar{N}}(2N+2695) = B_{\bar{N}}(2N+2695-B_{\bar{N}}(2N+2694)) + B_{\bar{N}}(2N+2695-B_{\bar{N}}(2N+2693)) + B_{\bar{N}}(2N+2695-B_{\bar{N}}(2N+2692))$$

$$= B_{\bar{N}}(2N+2695-(2N+2215)) + B_{\bar{N}}(2N+2695-(N+2972)) + B_{\bar{N}}(2N+2695-(2N-78))$$

$$= B_{\bar{N}}(480) + B_{\bar{N}}(N-277) + B_{\bar{N}}(2773) = 480 + (N-277) + 2773 = N + 2976$$

$$(N \ge 2773)$$

$$B_{\bar{N}}(2N+2696) = B_{\bar{N}}(2N+2696-B_{\bar{N}}(2N+2695)) + B_{\bar{N}}(2N+2696-B_{\bar{N}}(2N+2694)) + B_{\bar{N}}(2N+2696-B_{\bar{N}}(2N+2693))$$

$$= B_{\bar{N}}(2N+2696-(N+2976)) + B_{\bar{N}}(2N+2696-(2N+2215)) + B_{\bar{N}}(2N+2696-(N+2972))$$

$$= B_{\bar{N}}(N-280) + B_{\bar{N}}(481) + B_{\bar{N}}(N-276) = (N-280) + 481 + (N-276) = 2N-75$$

$$(N \ge 481)$$

$$B_{\bar{N}}(2N+2697) = B_{\bar{N}}(2N+2697 - B_{\bar{N}}(2N+2696)) + B_{\bar{N}}(2N+2697 - B_{\bar{N}}(2N+2695)) + B_{\bar{N}}(2N+2697 - B_{\bar{N}}(2N+2694))$$

$$= B_{\bar{N}}(2N+2697 - (2N-75)) + B_{\bar{N}}(2N+2697 - (N+2976)) + B_{\bar{N}}(2N+2697 - (2N+2215))$$

$$= B_{\bar{N}}(2772) + B_{\bar{N}}(N-279) + B_{\bar{N}}(482) = 2772 + (N-279) + 482 = N + 2975$$

$$(N \ge 2772)$$

$$B_{\bar{N}}(2N+2698) = B_{\bar{N}}(2N+2698-B_{\bar{N}}(2N+2697)) + B_{\bar{N}}(2N+2698-B_{\bar{N}}(2N+2696)) + B_{\bar{N}}(2N+2698-B_{\bar{N}}(2N+2695))$$

$$= B_{\bar{N}}(2N+2698-(N+2975)) + B_{\bar{N}}(2N+2698-(2N-75)) + B_{\bar{N}}(2N+2698-(N+2976))$$

$$= B_{\bar{N}}(N-277) + B_{\bar{N}}(2773) + B_{\bar{N}}(N-278) = (N-277) + 2773 + (N-278) = 2N + 2218$$

$$(N \ge 2773)$$

$$B_{\bar{N}}(2N+2699) = B_{\bar{N}}(2N+2699 - B_{\bar{N}}(2N+2698)) + B_{\bar{N}}(2N+2699 - B_{\bar{N}}(2N+2697)) + B_{\bar{N}}(2N+2699 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2700) = B_{\bar{N}}(2N+2700 - B_{\bar{N}}(2N+2699)) + B_{\bar{N}}(2N+2700 - B_{\bar{N}}(2N+2698)) + B_{\bar{N}}(2N+2700 - B_{\bar{N}}(2N+2697))$$

$$= B_{\bar{N}}(2N+2700 - (N+2979)) + B_{\bar{N}}(2N+2700 - (2N+2218)) + B_{\bar{N}}(2N+2700 - (N+2975))$$

$$= B_{\bar{N}}(N-279) + B_{\bar{N}}(482) + B_{\bar{N}}(N-275) = (N-279) + 482 + (N-275) = 2N-72$$

$$(N \ge 482)$$

$$B_{\bar{N}}(2N+2701) = B_{\bar{N}}(2N+2701-B_{\bar{N}}(2N+2700)) + B_{\bar{N}}(2N+2701-B_{\bar{N}}(2N+2699)) + B_{\bar{N}}(2N+2701-B_{\bar{N}}(2N+2698))$$

$$= B_{\bar{N}}(2N+2701-(2N-72)) + B_{\bar{N}}(2N+2701-(N+2979)) + B_{\bar{N}}(2N+2701-(2N+2218))$$

$$= B_{\bar{N}}(2773) + B_{\bar{N}}(N-278) + B_{\bar{N}}(483) = 2773 + (N-278) + 483 = N + 2978$$

$$(N \ge 2773)$$

$$B_{\bar{N}}(2N+2702) = B_{\bar{N}}(2N+2702-B_{\bar{N}}(2N+2701)) + B_{\bar{N}}(2N+2702-B_{\bar{N}}(2N+2700)) + B_{\bar{N}}(2N+2702-B_{\bar{N}}(2N+2699))$$

$$= B_{\bar{N}}(2N+2702-(N+2978)) + B_{\bar{N}}(2N+2702-(2N-72)) + B_{\bar{N}}(2N+2702-(N+2979))$$

$$= B_{\bar{N}}(N-276) + B_{\bar{N}}(2774) + B_{\bar{N}}(N-277) = (N-276) + 2774 + (N-277) = 2N + 2221$$

$$(N \ge 2774)$$

$$B_{\bar{N}}(2N+2703) = B_{\bar{N}}(2N+2703 - B_{\bar{N}}(2N+2702)) + B_{\bar{N}}(2N+2703 - B_{\bar{N}}(2N+2701)) + B_{\bar{N}}(2N+2703 - B_{\bar{N}}(2N+2700))$$

$$= B_{\bar{N}}(2N+2703 - (2N+2221)) + B_{\bar{N}}(2N+2703 - (N+2978)) + B_{\bar{N}}(2N+2703 - (2N-72))$$

$$= B_{\bar{N}}(482) + B_{\bar{N}}(N-275) + B_{\bar{N}}(2775) = 482 + (N-275) + 2775 = N + 2982$$

$$(N \ge 2775)$$

$$B_{\bar{N}}(2N+2704) = B_{\bar{N}}(2N+2704 - B_{\bar{N}}(2N+2703)) + B_{\bar{N}}(2N+2704 - B_{\bar{N}}(2N+2702)) + B_{\bar{N}}(2N+2704 - B_{\bar{N}}(2N+2701))$$

$$= B_{\bar{N}}(2N+2704 - (N+2982)) + B_{\bar{N}}(2N+2704 - (2N+2221)) + B_{\bar{N}}(2N+2704 - (N+2978))$$

$$= B_{\bar{N}}(N-278) + B_{\bar{N}}(483) + B_{\bar{N}}(N-274) = (N-278) + 483 + (N-274) = 2N-69$$

$$(N \ge 483)$$

$$B_{\bar{N}}(2N+2705) = B_{\bar{N}}(2N+2705-B_{\bar{N}}(2N+2704)) + B_{\bar{N}}(2N+2705-B_{\bar{N}}(2N+2703)) + B_{\bar{N}}(2N+2705-B_{\bar{N}}(2N+2702))$$

$$= B_{\bar{N}}(2N+2705-(2N-69)) + B_{\bar{N}}(2N+2705-(N+2982)) + B_{\bar{N}}(2N+2705-(2N+2221))$$

$$= B_{\bar{N}}(2774) + B_{\bar{N}}(N-277) + B_{\bar{N}}(484) = 2774 + (N-277) + 484 = N + 2981$$

$$(N \ge 2774)$$

$$B_{\bar{N}}(2N+2706) = B_{\bar{N}}(2N+2706-B_{\bar{N}}(2N+2705)) + B_{\bar{N}}(2N+2706-B_{\bar{N}}(2N+2704)) + B_{\bar{N}}(2N+2706-B_{\bar{N}}(2N+2703))$$

$$= B_{\bar{N}}(2N+2706-(N+2981)) + B_{\bar{N}}(2N+2706-(2N-69)) + B_{\bar{N}}(2N+2706-(N+2982))$$

$$= B_{\bar{N}}(N-275) + B_{\bar{N}}(2775) + B_{\bar{N}}(N-276) = (N-275) + 2775 + (N-276) = 2N + 2224$$

$$(N \ge 2775)$$

$$B_{\bar{N}}(2N+2707) = B_{\bar{N}}(2N+2707-B_{\bar{N}}(2N+2706)) + B_{\bar{N}}(2N+2707-B_{\bar{N}}(2N+2705)) + B_{\bar{N}}(2N+2707-B_{\bar{N}}(2N+2704))$$

$$= B_{\bar{N}}(2N+2707-(2N+2224)) + B_{\bar{N}}(2N+2707-(N+2981)) + B_{\bar{N}}(2N+2707-(2N-69))$$

$$= B_{\bar{N}}(483) + B_{\bar{N}}(N-274) + B_{\bar{N}}(2776) = 483 + (N-274) + 2776 = N + 2985$$

$$(N \ge 2776)$$

$$B_{\bar{N}}(2N+2708) = B_{\bar{N}}(2N+2708-B_{\bar{N}}(2N+2707)) + B_{\bar{N}}(2N+2708-B_{\bar{N}}(2N+2706)) + B_{\bar{N}}(2N+2708-B_{\bar{N}}(2N+2705)) = B_{\bar{N}}(2N+2708-(N+2985)) + B_{\bar{N}}(2N+2708-(2N+2224)) + B_{\bar{N}}(2N+2708-(N+2981)) = B_{\bar{N}}(N-277) + B_{\bar{N}}(484) + B_{\bar{N}}(N-273) = (N-277) + 484 + (N-273) = 2N-66 (N \ge 484)$$

$$B_{\bar{N}}(2N+2709) = B_{\bar{N}}(2N+2709 - B_{\bar{N}}(2N+2708)) + B_{\bar{N}}(2N+2709 - B_{\bar{N}}(2N+2707)) + B_{\bar{N}}(2N+2709 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2710) = B_{\bar{N}}(2N+2710 - B_{\bar{N}}(2N+2709)) + B_{\bar{N}}(2N+2710 - B_{\bar{N}}(2N+2708)) + B_{\bar{N}}(2N+2710 - B_{\bar{N}}(2N+2707))$$

$$= B_{\bar{N}}(2N+2710 - (N+2984)) + B_{\bar{N}}(2N+2710 - (2N-66)) + B_{\bar{N}}(2N+2710 - (N+2985))$$

$$= B_{\bar{N}}(N-274) + B_{\bar{N}}(2776) + B_{\bar{N}}(N-275) = (N-274) + 2776 + (N-275) = 2N + 2227$$

$$(N \ge 2776)$$

$$B_{\bar{N}}(2N+2711) = B_{\bar{N}}(2N+2711-B_{\bar{N}}(2N+2710)) + B_{\bar{N}}(2N+2711-B_{\bar{N}}(2N+2709)) + B_{\bar{N}}(2N+2711-B_{\bar{N}}(2N+2708))$$

$$= B_{\bar{N}}(2N+2711-(2N+2227)) + B_{\bar{N}}(2N+2711-(N+2984)) + B_{\bar{N}}(2N+2711-(2N-66))$$

$$= B_{\bar{N}}(484) + B_{\bar{N}}(N-273) + B_{\bar{N}}(2777) = 484 + (N-273) + 2777 = N + 2988$$

$$(N \ge 2777)$$

$$B_{\bar{N}}(2N+2712) = B_{\bar{N}}(2N+2712-B_{\bar{N}}(2N+2711)) + B_{\bar{N}}(2N+2712-B_{\bar{N}}(2N+2710)) + B_{\bar{N}}(2N+2712-B_{\bar{N}}(2N+2709))$$

$$= B_{\bar{N}}(2N+2712-(N+2988)) + B_{\bar{N}}(2N+2712-(2N+2227)) + B_{\bar{N}}(2N+2712-(N+2984))$$

$$= B_{\bar{N}}(N-276) + B_{\bar{N}}(485) + B_{\bar{N}}(N-272) = (N-276) + 485 + (N-272) = 2N-63$$

$$(N \ge 485)$$

$$B_{\bar{N}}(2N+2713) = B_{\bar{N}}(2N+2713-B_{\bar{N}}(2N+2712)) + B_{\bar{N}}(2N+2713-B_{\bar{N}}(2N+2711)) + B_{\bar{N}}(2N+2713-B_{\bar{N}}(2N+2710))$$

$$= B_{\bar{N}}(2N+2713-(2N-63)) + B_{\bar{N}}(2N+2713-(N+2988)) + B_{\bar{N}}(2N+2713-(2N+2227))$$

$$= B_{\bar{N}}(2776) + B_{\bar{N}}(N-275) + B_{\bar{N}}(486) = 2776 + (N-275) + 486 = N + 2987$$

$$(N \ge 2776)$$

$$B_{\bar{N}}(2N+2714) = B_{\bar{N}}(2N+2714-B_{\bar{N}}(2N+2713)) + B_{\bar{N}}(2N+2714-B_{\bar{N}}(2N+2712)) + B_{\bar{N}}(2N+2714-B_{\bar{N}}(2N+2711))$$

$$= B_{\bar{N}}(2N+2714-(N+2987)) + B_{\bar{N}}(2N+2714-(2N-63)) + B_{\bar{N}}(2N+2714-(N+2988))$$

$$= B_{\bar{N}}(N-273) + B_{\bar{N}}(2777) + B_{\bar{N}}(N-274) = (N-273) + 2777 + (N-274) = 2N + 2230$$

$$(N \ge 2777)$$

$$B_{\bar{N}}(2N+2715) = B_{\bar{N}}(2N+2715-B_{\bar{N}}(2N+2714)) + B_{\bar{N}}(2N+2715-B_{\bar{N}}(2N+2713)) + B_{\bar{N}}(2N+2715-B_{\bar{N}}(2N+2712))$$

$$= B_{\bar{N}}(2N+2715-(2N+2230)) + B_{\bar{N}}(2N+2715-(N+2987)) + B_{\bar{N}}(2N+2715-(2N-63))$$

$$= B_{\bar{N}}(485) + B_{\bar{N}}(N-272) + B_{\bar{N}}(2778) = 485 + (N-272) + 2778 = N + 2991$$

$$(N \ge 2778)$$

$$B_{\bar{N}}(2N+2716) = B_{\bar{N}}(2N+2716-B_{\bar{N}}(2N+2715)) + B_{\bar{N}}(2N+2716-B_{\bar{N}}(2N+2714)) + B_{\bar{N}}(2N+2716-B_{\bar{N}}(2N+2713))$$

$$= B_{\bar{N}}(2N+2716-(N+2991)) + B_{\bar{N}}(2N+2716-(2N+2230)) + B_{\bar{N}}(2N+2716-(N+2987))$$

$$= B_{\bar{N}}(N-275) + B_{\bar{N}}(486) + B_{\bar{N}}(N-271) = (N-275) + 486 + (N-271) = 2N-60$$

$$(N > 486)$$

$$B_{\bar{N}}(2N+2717) = B_{\bar{N}}(2N+2717-B_{\bar{N}}(2N+2716)) + B_{\bar{N}}(2N+2717-B_{\bar{N}}(2N+2715)) + B_{\bar{N}}(2N+2717-B_{\bar{N}}(2N+2714))$$

$$= B_{\bar{N}}(2N+2717-(2N-60)) + B_{\bar{N}}(2N+2717-(N+2991)) + B_{\bar{N}}(2N+2717-(2N+2230))$$

$$= B_{\bar{N}}(2777) + B_{\bar{N}}(N-274) + B_{\bar{N}}(487) = 2777 + (N-274) + 487 = N + 2990$$

$$(N \ge 2777)$$

$$B_{\bar{N}}(2N+2718) = B_{\bar{N}}(2N+2718-B_{\bar{N}}(2N+2717)) + B_{\bar{N}}(2N+2718-B_{\bar{N}}(2N+2716)) + B_{\bar{N}}(2N+2718-B_{\bar{N}}(2N+2715)) = B_{\bar{N}}(2N+2718-(N+2990)) + B_{\bar{N}}(2N+2718-(2N-60)) + B_{\bar{N}}(2N+2718-(N+2991)) = B_{\bar{N}}(N-272) + B_{\bar{N}}(2778) + B_{\bar{N}}(N-273) = (N-272) + 2778 + (N-273) = 2N + 2233 (N \ge 2778)$$

$$B_{\bar{N}}(2N+2719) = B_{\bar{N}}(2N+2719 - B_{\bar{N}}(2N+2718)) + B_{\bar{N}}(2N+2719 - B_{\bar{N}}(2N+2717)) + B_{\bar{N}}(2N+2719 - B_{\bar{N}}(2N+2716))$$

$$= B_{\bar{N}}(2N+2719 - (2N+2233)) + B_{\bar{N}}(2N+2719 - (N+2990)) + B_{\bar{N}}(2N+2719 - (2N-60))$$

$$= B_{\bar{N}}(486) + B_{\bar{N}}(N-271) + B_{\bar{N}}(2779) = 486 + (N-271) + 2779 = N + 2994$$

$$(N \ge 2779)$$

$$B_{\bar{N}}(2N+2720) = B_{\bar{N}}(2N+2720 - B_{\bar{N}}(2N+2719)) + B_{\bar{N}}(2N+2720 - B_{\bar{N}}(2N+2718)) + B_{\bar{N}}(2N+2720 - B_{\bar{N}}(2N+2717))$$

$$= B_{\bar{N}}(2N+2720 - (N+2994)) + B_{\bar{N}}(2N+2720 - (2N+2233)) + B_{\bar{N}}(2N+2720 - (N+2990))$$

$$= B_{\bar{N}}(N-274) + B_{\bar{N}}(487) + B_{\bar{N}}(N-270) = (N-274) + 487 + (N-270) = 2N-57$$

$$(N \ge 487)$$

$$\begin{split} B_{\bar{N}}(2N+2721) &= B_{\bar{N}}(2N+2721-B_{\bar{N}}(2N+2720)) + B_{\bar{N}}(2N+2721-B_{\bar{N}}(2N+2719)) + B_{\bar{N}}(2N+2721-B_{\bar{N}}(2N+2718)) \\ &= B_{\bar{N}}(2N+2721-(2N-57)) + B_{\bar{N}}(2N+2721-(N+2994)) + B_{\bar{N}}(2N+2721-(2N+2233)) \\ &= B_{\bar{N}}(2778) + B_{\bar{N}}(N-273) + B_{\bar{N}}(488) = 2778 + (N-273) + 488 = N + 2993 \\ &(N > 2778) \end{split}$$

$$B_{\bar{N}}(2N+2722) = B_{\bar{N}}(2N+2722-B_{\bar{N}}(2N+2721)) + B_{\bar{N}}(2N+2722-B_{\bar{N}}(2N+2720)) + B_{\bar{N}}(2N+2722-B_{\bar{N}}(2N+2719))$$

$$= B_{\bar{N}}(2N+2722-(N+2993)) + B_{\bar{N}}(2N+2722-(2N-57)) + B_{\bar{N}}(2N+2722-(N+2994))$$

$$= B_{\bar{N}}(N-271) + B_{\bar{N}}(2779) + B_{\bar{N}}(N-272) = (N-271) + 2779 + (N-272) = 2N + 2236$$

$$(N \ge 2779)$$

$$B_{\bar{N}}(2N+2723) = B_{\bar{N}}(2N+2723-B_{\bar{N}}(2N+2722)) + B_{\bar{N}}(2N+2723-B_{\bar{N}}(2N+2721)) + B_{\bar{N}}(2N+2723-B_{\bar{N}}(2N+2723)) = B_{\bar{N}}(2N+2723-(2N+2236)) + B_{\bar{N}}(2N+2723-(N+2993)) + B_{\bar{N}}(2N+2723-(2N-57)) = B_{\bar{N}}(487) + B_{\bar{N}}(N-270) + B_{\bar{N}}(2780) = 487 + (N-270) + 2780 = N + 2997 (N \ge 2780)$$

$$B_{\bar{N}}(2N+2724) = B_{\bar{N}}(2N+2724-B_{\bar{N}}(2N+2723)) + B_{\bar{N}}(2N+2724-B_{\bar{N}}(2N+2722)) + B_{\bar{N}}(2N+2724-B_{\bar{N}}(2N+2721))$$

$$= B_{\bar{N}}(2N+2724-(N+2997)) + B_{\bar{N}}(2N+2724-(2N+2236)) + B_{\bar{N}}(2N+2724-(N+2993))$$

$$= B_{\bar{N}}(N-273) + B_{\bar{N}}(488) + B_{\bar{N}}(N-269) = (N-273) + 488 + (N-269) = 2N-54$$

$$(N \ge 488)$$

$$B_{\bar{N}}(2N+2725) = B_{\bar{N}}(2N+2725-B_{\bar{N}}(2N+2724)) + B_{\bar{N}}(2N+2725-B_{\bar{N}}(2N+2723)) + B_{\bar{N}}(2N+2725-B_{\bar{N}}(2N+2725))$$

$$= B_{\bar{N}}(2N+2725-(2N-54)) + B_{\bar{N}}(2N+2725-(N+2997)) + B_{\bar{N}}(2N+2725-(2N+2236))$$

$$= B_{\bar{N}}(2779) + B_{\bar{N}}(N-272) + B_{\bar{N}}(489) = 2779 + (N-272) + 489 = N + 2996$$

$$(N \ge 2779)$$

$$B_{\bar{N}}(2N+2726) = B_{\bar{N}}(2N+2726-B_{\bar{N}}(2N+2725)) + B_{\bar{N}}(2N+2726-B_{\bar{N}}(2N+2724)) + B_{\bar{N}}(2N+2726-B_{\bar{N}}(2N+2723))$$

$$= B_{\bar{N}}(2N+2726-(N+2996)) + B_{\bar{N}}(2N+2726-(2N-54)) + B_{\bar{N}}(2N+2726-(N+2997))$$

$$= B_{\bar{N}}(N-270) + B_{\bar{N}}(2780) + B_{\bar{N}}(N-271) = (N-270) + 2780 + (N-271) = 2N + 2239$$

$$(N \ge 2780)$$

$$B_{\bar{N}}(2N+2727) = B_{\bar{N}}(2N+2727-B_{\bar{N}}(2N+2726)) + B_{\bar{N}}(2N+2727-B_{\bar{N}}(2N+2725)) + B_{\bar{N}}(2N+2727-B_{\bar{N}}(2N+2724))$$

$$= B_{\bar{N}}(2N+2727-(2N+2239)) + B_{\bar{N}}(2N+2727-(N+2996)) + B_{\bar{N}}(2N+2727-(2N-54))$$

$$= B_{\bar{N}}(488) + B_{\bar{N}}(N-269) + B_{\bar{N}}(2781) = 488 + (N-269) + 2781 = N + 3000$$

$$(N \ge 2781)$$

$$B_{\bar{N}}(2N+2728) = B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2727)) + B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2726)) + B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2N+2728-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2729) = B_{\bar{N}}(2N+2729 - B_{\bar{N}}(2N+2728)) + B_{\bar{N}}(2N+2729 - B_{\bar{N}}(2N+2727)) + B_{\bar{N}}(2N+2729 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2730) = B_{\bar{N}}(2N+2730 - B_{\bar{N}}(2N+2729)) + B_{\bar{N}}(2N+2730 - B_{\bar{N}}(2N+2728)) + B_{\bar{N}}(2N+2730 - B_{\bar{N}}(2N+2727))$$

$$= B_{\bar{N}}(2N+2730 - (N+2999)) + B_{\bar{N}}(2N+2730 - (2N-51)) + B_{\bar{N}}(2N+2730 - (N+3000))$$

$$= B_{\bar{N}}(N-269) + B_{\bar{N}}(2781) + B_{\bar{N}}(N-270) = (N-269) + 2781 + (N-270) = 2N + 2242$$

$$(N \ge 2781)$$

$$B_{\bar{N}}(2N+2731) = B_{\bar{N}}(2N+2731-B_{\bar{N}}(2N+2730)) + B_{\bar{N}}(2N+2731-B_{\bar{N}}(2N+2729)) + B_{\bar{N}}(2N+2731-B_{\bar{N}}(2N+2728))$$

$$= B_{\bar{N}}(2N+2731-(2N+2242)) + B_{\bar{N}}(2N+2731-(N+2999)) + B_{\bar{N}}(2N+2731-(2N-51))$$

$$= B_{\bar{N}}(489) + B_{\bar{N}}(N-268) + B_{\bar{N}}(2782) = 489 + (N-268) + 2782 = N + 3003$$

$$(N > 2782)$$

$$B_{\bar{N}}(2N+2732) = B_{\bar{N}}(2N+2732-B_{\bar{N}}(2N+2731)) + B_{\bar{N}}(2N+2732-B_{\bar{N}}(2N+2730)) + B_{\bar{N}}(2N+2732-B_{\bar{N}}(2N+2729))$$

$$= B_{\bar{N}}(2N+2732-(N+3003)) + B_{\bar{N}}(2N+2732-(2N+2242)) + B_{\bar{N}}(2N+2732-(N+2999))$$

$$= B_{\bar{N}}(N-271) + B_{\bar{N}}(490) + B_{\bar{N}}(N-267) = (N-271) + 490 + (N-267) = 2N-48$$

$$(N \ge 490)$$

$$B_{\bar{N}}(2N+2733) = B_{\bar{N}}(2N+2733-B_{\bar{N}}(2N+2732)) + B_{\bar{N}}(2N+2733-B_{\bar{N}}(2N+2731)) + B_{\bar{N}}(2N+2733-B_{\bar{N}}(2N+2730))$$

$$= B_{\bar{N}}(2N+2733-(2N-48)) + B_{\bar{N}}(2N+2733-(N+3003)) + B_{\bar{N}}(2N+2733-(2N+2242))$$

$$= B_{\bar{N}}(2781) + B_{\bar{N}}(N-270) + B_{\bar{N}}(491) = 2781 + (N-270) + 491 = N + 3002$$

$$(N \ge 2781)$$

$$B_{\bar{N}}(2N+2734) = B_{\bar{N}}(2N+2734-B_{\bar{N}}(2N+2733)) + B_{\bar{N}}(2N+2734-B_{\bar{N}}(2N+2732)) + B_{\bar{N}}(2N+2734-B_{\bar{N}}(2N+2731))$$

$$= B_{\bar{N}}(2N+2734-(N+3002)) + B_{\bar{N}}(2N+2734-(2N-48)) + B_{\bar{N}}(2N+2734-(N+3003))$$

$$= B_{\bar{N}}(N-268) + B_{\bar{N}}(2782) + B_{\bar{N}}(N-269) = (N-268) + 2782 + (N-269) = 2N + 2245$$

$$(N \ge 2782)$$

$$B_{\bar{N}}(2N+2735) = B_{\bar{N}}(2N+2735-B_{\bar{N}}(2N+2734)) + B_{\bar{N}}(2N+2735-B_{\bar{N}}(2N+2733)) + B_{\bar{N}}(2N+2735-B_{\bar{N}}(2N+2732))$$

$$= B_{\bar{N}}(2N+2735-(2N+2245)) + B_{\bar{N}}(2N+2735-(N+3002)) + B_{\bar{N}}(2N+2735-(2N-48))$$

$$= B_{\bar{N}}(490) + B_{\bar{N}}(N-267) + B_{\bar{N}}(2783) = 490 + (N-267) + 2783 = N + 3006$$

$$(N \ge 2783)$$

$$B_{\bar{N}}(2N+2736) = B_{\bar{N}}(2N+2736-B_{\bar{N}}(2N+2735)) + B_{\bar{N}}(2N+2736-B_{\bar{N}}(2N+2734)) + B_{\bar{N}}(2N+2736-B_{\bar{N}}(2N+2733))$$

$$= B_{\bar{N}}(2N+2736-(N+3006)) + B_{\bar{N}}(2N+2736-(2N+2245)) + B_{\bar{N}}(2N+2736-(N+3002))$$

$$= B_{\bar{N}}(N-270) + B_{\bar{N}}(491) + B_{\bar{N}}(N-266) = (N-270) + 491 + (N-266) = 2N-45$$

$$(N \ge 491)$$

$$B_{\bar{N}}(2N+2737) = B_{\bar{N}}(2N+2737-B_{\bar{N}}(2N+2736)) + B_{\bar{N}}(2N+2737-B_{\bar{N}}(2N+2735)) + B_{\bar{N}}(2N+2737-B_{\bar{N}}(2N+2734))$$

$$= B_{\bar{N}}(2N+2737-(2N-45)) + B_{\bar{N}}(2N+2737-(N+3006)) + B_{\bar{N}}(2N+2737-(2N+2245))$$

$$= B_{\bar{N}}(2782) + B_{\bar{N}}(N-269) + B_{\bar{N}}(492) = 2782 + (N-269) + 492 = N + 3005$$

$$(N \ge 2782)$$

$$B_{\bar{N}}(2N+2738) = B_{\bar{N}}(2N+2738-B_{\bar{N}}(2N+2737)) + B_{\bar{N}}(2N+2738-B_{\bar{N}}(2N+2736)) + B_{\bar{N}}(2N+2738-B_{\bar{N}}(2N+2735)) = B_{\bar{N}}(2N+2738-(N+3005)) + B_{\bar{N}}(2N+2738-(2N-45)) + B_{\bar{N}}(2N+2738-(N+3006)) = B_{\bar{N}}(N-267) + B_{\bar{N}}(2783) + B_{\bar{N}}(N-268) = (N-267) + 2783 + (N-268) = 2N+2248 (N \ge 2783)$$

$$B_{\bar{N}}(2N+2739) = B_{\bar{N}}(2N+2739 - B_{\bar{N}}(2N+2738)) + B_{\bar{N}}(2N+2739 - B_{\bar{N}}(2N+2737)) + B_{\bar{N}}(2N+2739 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2740) = B_{\bar{N}}(2N+2740 - B_{\bar{N}}(2N+2739)) + B_{\bar{N}}(2N+2740 - B_{\bar{N}}(2N+2738)) + B_{\bar{N}}(2N+2740 - B_{\bar{N}}(2N+2737))$$

$$= B_{\bar{N}}(2N+2740 - (N+3009)) + B_{\bar{N}}(2N+2740 - (2N+2248)) + B_{\bar{N}}(2N+2740 - (N+3005))$$

$$= B_{\bar{N}}(N-269) + B_{\bar{N}}(492) + B_{\bar{N}}(N-265) = (N-269) + 492 + (N-265) = 2N-42$$

$$(N \ge 492)$$

$$B_{\bar{N}}(2N+2741) = B_{\bar{N}}(2N+2741-B_{\bar{N}}(2N+2740)) + B_{\bar{N}}(2N+2741-B_{\bar{N}}(2N+2739)) + B_{\bar{N}}(2N+2741-B_{\bar{N}}(2N+2738))$$

$$= B_{\bar{N}}(2N+2741-(2N-42)) + B_{\bar{N}}(2N+2741-(N+3009)) + B_{\bar{N}}(2N+2741-(2N+2248))$$

$$= B_{\bar{N}}(2783) + B_{\bar{N}}(N-268) + B_{\bar{N}}(493) = 2783 + (N-268) + 493 = N + 3008$$

$$(N \ge 2783)$$

$$B_{\bar{N}}(2N+2742) = B_{\bar{N}}(2N+2742-B_{\bar{N}}(2N+2741)) + B_{\bar{N}}(2N+2742-B_{\bar{N}}(2N+2740)) + B_{\bar{N}}(2N+2742-B_{\bar{N}}(2N+2739))$$

$$= B_{\bar{N}}(2N+2742-(N+3008)) + B_{\bar{N}}(2N+2742-(2N-42)) + B_{\bar{N}}(2N+2742-(N+3009))$$

$$= B_{\bar{N}}(N-266) + B_{\bar{N}}(2784) + B_{\bar{N}}(N-267) = (N-266) + 2784 + (N-267) = 2N + 2251$$

$$(N \ge 2784)$$

$$B_{\bar{N}}(2N+2743) = B_{\bar{N}}(2N+2743-B_{\bar{N}}(2N+2742)) + B_{\bar{N}}(2N+2743-B_{\bar{N}}(2N+2741)) + B_{\bar{N}}(2N+2743-B_{\bar{N}}(2N+2743-B_{\bar{N}}(2N+2743)) = B_{\bar{N}}(2N+2743-(2N+2251)) + B_{\bar{N}}(2N+2743-(N+3008)) + B_{\bar{N}}(2N+2743-(2N-42)) = B_{\bar{N}}(492) + B_{\bar{N}}(N-265) + B_{\bar{N}}(2785) = 492 + (N-265) + 2785 = N + 3012 (N \ge 2785)$$

$$B_{\bar{N}}(2N+2744) = B_{\bar{N}}(2N+2744-B_{\bar{N}}(2N+2743)) + B_{\bar{N}}(2N+2744-B_{\bar{N}}(2N+2742)) + B_{\bar{N}}(2N+2744-B_{\bar{N}}(2N+2741))$$

$$= B_{\bar{N}}(2N+2744-(N+3012)) + B_{\bar{N}}(2N+2744-(2N+2251)) + B_{\bar{N}}(2N+2744-(N+3008))$$

$$= B_{\bar{N}}(N-268) + B_{\bar{N}}(493) + B_{\bar{N}}(N-264) = (N-268) + 493 + (N-264) = 2N-39$$

$$(N \ge 493)$$

$$B_{\bar{N}}(2N+2745) = B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2744)) + B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2743)) + B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745-B_{\bar{N}}(2N+2745))))$$

$$= B_{\bar{N}}(2784) + B_{\bar{N}}(N-267) + B_{\bar{N}}(494) = 2784 + (N-267) + 494 = N + 3011$$

$$(N \ge 2784)$$

$$B_{\bar{N}}(2N+2746) = B_{\bar{N}}(2N+2746-B_{\bar{N}}(2N+2745)) + B_{\bar{N}}(2N+2746-B_{\bar{N}}(2N+2744)) + B_{\bar{N}}(2N+2746-B_{\bar{N}}(2N+2743))$$

$$= B_{\bar{N}}(2N+2746-(N+3011)) + B_{\bar{N}}(2N+2746-(2N-39)) + B_{\bar{N}}(2N+2746-(N+3012))$$

$$= B_{\bar{N}}(N-265) + B_{\bar{N}}(2785) + B_{\bar{N}}(N-266) = (N-265) + 2785 + (N-266) = 2N + 2254$$

$$(N \ge 2785)$$

$$B_{\bar{N}}(2N+2747) = B_{\bar{N}}(2N+2747-B_{\bar{N}}(2N+2746)) + B_{\bar{N}}(2N+2747-B_{\bar{N}}(2N+2745)) + B_{\bar{N}}(2N+2747-B_{\bar{N}}(2N+2744))$$

$$= B_{\bar{N}}(2N+2747-(2N+2254)) + B_{\bar{N}}(2N+2747-(N+3011)) + B_{\bar{N}}(2N+2747-(2N-39))$$

$$= B_{\bar{N}}(493) + B_{\bar{N}}(N-264) + B_{\bar{N}}(2786) = 493 + (N-264) + 2786 = N + 3015$$

$$(N > 2786)$$

$$B_{\bar{N}}(2N+2748) = B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2747)) + B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2746)) + B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2N+2748-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2749) = B_{\bar{N}}(2N+2749 - B_{\bar{N}}(2N+2748)) + B_{\bar{N}}(2N+2749 - B_{\bar{N}}(2N+2747)) + B_{\bar{N}}(2N+2749 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2750) = B_{\bar{N}}(2N+2750 - B_{\bar{N}}(2N+2749)) + B_{\bar{N}}(2N+2750 - B_{\bar{N}}(2N+2748)) + B_{\bar{N}}(2N+2750 - B_{\bar{N}}(2N+2747))$$

$$= B_{\bar{N}}(2N+2750 - (N+3014)) + B_{\bar{N}}(2N+2750 - (2N-36)) + B_{\bar{N}}(2N+2750 - (N+3015))$$

$$= B_{\bar{N}}(N-264) + B_{\bar{N}}(2786) + B_{\bar{N}}(N-265) = (N-264) + 2786 + (N-265) = 2N + 2257$$

$$(N \ge 2786)$$

$$B_{\bar{N}}(2N+2751) = B_{\bar{N}}(2N+2751-B_{\bar{N}}(2N+2750)) + B_{\bar{N}}(2N+2751-B_{\bar{N}}(2N+2749)) + B_{\bar{N}}(2N+2751-B_{\bar{N}}(2N+2748))$$

$$= B_{\bar{N}}(2N+2751-(2N+2257)) + B_{\bar{N}}(2N+2751-(N+3014)) + B_{\bar{N}}(2N+2751-(2N-36))$$

$$= B_{\bar{N}}(494) + B_{\bar{N}}(N-263) + B_{\bar{N}}(2787) = 494 + (N-263) + 2787 = N + 3018$$

$$(N > 2787)$$

$$B_{\bar{N}}(2N+2752) = B_{\bar{N}}(2N+2752-B_{\bar{N}}(2N+2751)) + B_{\bar{N}}(2N+2752-B_{\bar{N}}(2N+2750)) + B_{\bar{N}}(2N+2752-B_{\bar{N}}(2N+2749))$$

$$= B_{\bar{N}}(2N+2752-(N+3018)) + B_{\bar{N}}(2N+2752-(2N+2257)) + B_{\bar{N}}(2N+2752-(N+3014))$$

$$= B_{\bar{N}}(N-266) + B_{\bar{N}}(495) + B_{\bar{N}}(N-262) = (N-266) + 495 + (N-262) = 2N-33$$

$$(N \ge 495)$$

$$B_{\bar{N}}(2N+2753) = B_{\bar{N}}(2N+2753-B_{\bar{N}}(2N+2752)) + B_{\bar{N}}(2N+2753-B_{\bar{N}}(2N+2751)) + B_{\bar{N}}(2N+2753-B_{\bar{N}}(2N+2750))$$

$$= B_{\bar{N}}(2N+2753-(2N-33)) + B_{\bar{N}}(2N+2753-(N+3018)) + B_{\bar{N}}(2N+2753-(2N+2257))$$

$$= B_{\bar{N}}(2786) + B_{\bar{N}}(N-265) + B_{\bar{N}}(496) = 2786 + (N-265) + 496 = N + 3017$$

$$(N \ge 2786)$$

$$B_{\bar{N}}(2N+2754) = B_{\bar{N}}(2N+2754 - B_{\bar{N}}(2N+2753)) + B_{\bar{N}}(2N+2754 - B_{\bar{N}}(2N+2752)) + B_{\bar{N}}(2N+2754 - B_{\bar{N}}(2N+2751))$$

$$= B_{\bar{N}}(2N+2754 - (N+3017)) + B_{\bar{N}}(2N+2754 - (2N-33)) + B_{\bar{N}}(2N+2754 - (N+3018))$$

$$= B_{\bar{N}}(N-263) + B_{\bar{N}}(2787) + B_{\bar{N}}(N-264) = (N-263) + 2787 + (N-264) = 2N + 2260$$

$$(N \ge 2787)$$

$$B_{\bar{N}}(2N+2755) = B_{\bar{N}}(2N+2755-B_{\bar{N}}(2N+2754)) + B_{\bar{N}}(2N+2755-B_{\bar{N}}(2N+2753)) + B_{\bar{N}}(2N+2755-B_{\bar{N}}(2N+2752))$$

$$= B_{\bar{N}}(2N+2755-(2N+2260)) + B_{\bar{N}}(2N+2755-(N+3017)) + B_{\bar{N}}(2N+2755-(2N-33))$$

$$= B_{\bar{N}}(495) + B_{\bar{N}}(N-262) + B_{\bar{N}}(2788) = 495 + (N-262) + 2788 = N + 3021$$

$$(N \ge 2788)$$

$$B_{\bar{N}}(2N+2756) = B_{\bar{N}}(2N+2756 - B_{\bar{N}}(2N+2755)) + B_{\bar{N}}(2N+2756 - B_{\bar{N}}(2N+2754)) + B_{\bar{N}}(2N+2756 - B_{\bar{N}}(2N+2753))$$

$$= B_{\bar{N}}(2N+2756 - (N+3021)) + B_{\bar{N}}(2N+2756 - (2N+2260)) + B_{\bar{N}}(2N+2756 - (N+3017))$$

$$= B_{\bar{N}}(N-265) + B_{\bar{N}}(496) + B_{\bar{N}}(N-261) = (N-265) + 496 + (N-261) = 2N-30$$

$$(N \ge 496)$$

$$B_{\bar{N}}(2N+2757) = B_{\bar{N}}(2N+2757 - B_{\bar{N}}(2N+2756)) + B_{\bar{N}}(2N+2757 - B_{\bar{N}}(2N+2755)) + B_{\bar{N}}(2N+2757 - B_{\bar{N}}(2N+2754))$$

$$= B_{\bar{N}}(2N+2757 - (2N-30)) + B_{\bar{N}}(2N+2757 - (N+3021)) + B_{\bar{N}}(2N+2757 - (2N+2260))$$

$$= B_{\bar{N}}(2787) + B_{\bar{N}}(N-264) + B_{\bar{N}}(497) = 2787 + (N-264) + 497 = N + 3020$$

$$(N \ge 2787)$$

$$B_{\bar{N}}(2N+2758) = B_{\bar{N}}(2N+2758-B_{\bar{N}}(2N+2757)) + B_{\bar{N}}(2N+2758-B_{\bar{N}}(2N+2756)) + B_{\bar{N}}(2N+2758-B_{\bar{N}}(2N+2755))$$

$$= B_{\bar{N}}(2N+2758-(N+3020)) + B_{\bar{N}}(2N+2758-(2N-30)) + B_{\bar{N}}(2N+2758-(N+3021))$$

$$= B_{\bar{N}}(N-262) + B_{\bar{N}}(2788) + B_{\bar{N}}(N-263) = (N-262) + 2788 + (N-263) = 2N + 2263$$

$$(N \ge 2788)$$

$$B_{\bar{N}}(2N+2759) = B_{\bar{N}}(2N+2759 - B_{\bar{N}}(2N+2758)) + B_{\bar{N}}(2N+2759 - B_{\bar{N}}(2N+2757)) + B_{\bar{N}}(2N+2759 - B_{\bar{N}}(2N+2759))$$

$$= B_{\bar{N}}(2N+2759 - (2N+2263)) + B_{\bar{N}}(2N+2759 - (N+3020)) + B_{\bar{N}}(2N+2759 - (2N-30))$$

$$= B_{\bar{N}}(496) + B_{\bar{N}}(N-261) + B_{\bar{N}}(2789) = 496 + (N-261) + 2789 = N + 3024$$

$$(N \ge 2789)$$

$$B_{\bar{N}}(2N+2760) = B_{\bar{N}}(2N+2760-B_{\bar{N}}(2N+2759)) + B_{\bar{N}}(2N+2760-B_{\bar{N}}(2N+2758)) + B_{\bar{N}}(2N+2760-B_{\bar{N}}(2N+2757))$$

$$= B_{\bar{N}}(2N+2760-(N+3024)) + B_{\bar{N}}(2N+2760-(2N+2263)) + B_{\bar{N}}(2N+2760-(N+3020))$$

$$= B_{\bar{N}}(N-264) + B_{\bar{N}}(497) + B_{\bar{N}}(N-260) = (N-264) + 497 + (N-260) = 2N-27$$

$$(N \ge 497)$$

$$B_{\bar{N}}(2N+2761) = B_{\bar{N}}(2N+2761 - B_{\bar{N}}(2N+2760)) + B_{\bar{N}}(2N+2761 - B_{\bar{N}}(2N+2759)) + B_{\bar{N}}(2N+2761 - B_{\bar{N}}(2N+2758))$$

$$= B_{\bar{N}}(2N+2761 - (2N-27)) + B_{\bar{N}}(2N+2761 - (N+3024)) + B_{\bar{N}}(2N+2761 - (2N+2263))$$

$$= B_{\bar{N}}(2788) + B_{\bar{N}}(N-263) + B_{\bar{N}}(498) = 2788 + (N-263) + 498 = N + 3023$$

$$(N \ge 2788)$$

$$B_{\bar{N}}(2N+2762) = B_{\bar{N}}(2N+2762-B_{\bar{N}}(2N+2761)) + B_{\bar{N}}(2N+2762-B_{\bar{N}}(2N+2760)) + B_{\bar{N}}(2N+2762-B_{\bar{N}}(2N+2759))$$

$$= B_{\bar{N}}(2N+2762-(N+3023)) + B_{\bar{N}}(2N+2762-(2N-27)) + B_{\bar{N}}(2N+2762-(N+3024))$$

$$= B_{\bar{N}}(N-261) + B_{\bar{N}}(2789) + B_{\bar{N}}(N-262) = (N-261) + 2789 + (N-262) = 2N + 2266$$

$$(N \ge 2789)$$

$$B_{\bar{N}}(2N+2763) = B_{\bar{N}}(2N+2763-B_{\bar{N}}(2N+2762)) + B_{\bar{N}}(2N+2763-B_{\bar{N}}(2N+2761)) + B_{\bar{N}}(2N+2763-B_{\bar{N}}(2N+2760))$$

$$= B_{\bar{N}}(2N+2763-(2N+2266)) + B_{\bar{N}}(2N+2763-(N+3023)) + B_{\bar{N}}(2N+2763-(2N-27))$$

$$= B_{\bar{N}}(497) + B_{\bar{N}}(N-260) + B_{\bar{N}}(2790) = 497 + (N-260) + 2790 = N + 3027$$

$$(N \ge 2790)$$

$$B_{\bar{N}}(2N+2764) = B_{\bar{N}}(2N+2764-B_{\bar{N}}(2N+2763)) + B_{\bar{N}}(2N+2764-B_{\bar{N}}(2N+2762)) + B_{\bar{N}}(2N+2764-B_{\bar{N}}(2N+2761))$$

$$= B_{\bar{N}}(2N+2764-(N+3027)) + B_{\bar{N}}(2N+2764-(2N+2266)) + B_{\bar{N}}(2N+2764-(N+3023))$$

$$= B_{\bar{N}}(N-263) + B_{\bar{N}}(498) + B_{\bar{N}}(N-259) = (N-263) + 498 + (N-259) = 2N-24$$

$$(N \ge 498)$$

$$B_{\bar{N}}(2N+2765) = B_{\bar{N}}(2N+2765-B_{\bar{N}}(2N+2764)) + B_{\bar{N}}(2N+2765-B_{\bar{N}}(2N+2763)) + B_{\bar{N}}(2N+2765-B_{\bar{N}}(2N+2762))$$

$$= B_{\bar{N}}(2N+2765-(2N-24)) + B_{\bar{N}}(2N+2765-(N+3027)) + B_{\bar{N}}(2N+2765-(2N+2266))$$

$$= B_{\bar{N}}(2789) + B_{\bar{N}}(N-262) + B_{\bar{N}}(499) = 2789 + (N-262) + 499 = N + 3026$$

$$(N \ge 2789)$$

$$B_{\bar{N}}(2N+2766) = B_{\bar{N}}(2N+2766-B_{\bar{N}}(2N+2765)) + B_{\bar{N}}(2N+2766-B_{\bar{N}}(2N+2764)) + B_{\bar{N}}(2N+2766-B_{\bar{N}}(2N+2763))$$

$$= B_{\bar{N}}(2N+2766-(N+3026)) + B_{\bar{N}}(2N+2766-(2N-24)) + B_{\bar{N}}(2N+2766-(N+3027))$$

$$= B_{\bar{N}}(N-260) + B_{\bar{N}}(2790) + B_{\bar{N}}(N-261) = (N-260) + 2790 + (N-261) = 2N + 2269$$

$$(N \ge 2790)$$

$$B_{\bar{N}}(2N+2767) = B_{\bar{N}}(2N+2767-B_{\bar{N}}(2N+2766)) + B_{\bar{N}}(2N+2767-B_{\bar{N}}(2N+2765)) + B_{\bar{N}}(2N+2767-B_{\bar{N}}(2N+2764))$$

$$= B_{\bar{N}}(2N+2767-(2N+2269)) + B_{\bar{N}}(2N+2767-(N+3026)) + B_{\bar{N}}(2N+2767-(2N-24))$$

$$= B_{\bar{N}}(498) + B_{\bar{N}}(N-259) + B_{\bar{N}}(2791) = 498 + (N-259) + 2791 = N + 3030$$

$$(N \ge 2791)$$

$$B_{\bar{N}}(2N+2768) = B_{\bar{N}}(2N+2768-B_{\bar{N}}(2N+2767)) + B_{\bar{N}}(2N+2768-B_{\bar{N}}(2N+2766)) + B_{\bar{N}}(2N+2768-B_{\bar{N}}(2N+2765))$$

$$= B_{\bar{N}}(2N+2768-(N+3030)) + B_{\bar{N}}(2N+2768-(2N+2269)) + B_{\bar{N}}(2N+2768-(N+3026))$$

$$= B_{\bar{N}}(N-262) + B_{\bar{N}}(499) + B_{\bar{N}}(N-258) = (N-262) + 499 + (N-258) = 2N-21$$

$$(N \ge 499)$$

$$B_{\bar{N}}(2N+2769) = B_{\bar{N}}(2N+2769 - B_{\bar{N}}(2N+2768)) + B_{\bar{N}}(2N+2769 - B_{\bar{N}}(2N+2767)) + B_{\bar{N}}(2N+2769 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2770) = B_{\bar{N}}(2N+2770 - B_{\bar{N}}(2N+2769)) + B_{\bar{N}}(2N+2770 - B_{\bar{N}}(2N+2768)) + B_{\bar{N}}(2N+2770 - B_{\bar{N}}(2N+2767))$$

$$= B_{\bar{N}}(2N+2770 - (N+3029)) + B_{\bar{N}}(2N+2770 - (2N-21)) + B_{\bar{N}}(2N+2770 - (N+3030))$$

$$= B_{\bar{N}}(N-259) + B_{\bar{N}}(2791) + B_{\bar{N}}(N-260) = (N-259) + 2791 + (N-260) = 2N + 2272$$

$$(N \ge 2791)$$

$$B_{\bar{N}}(2N+2771) = B_{\bar{N}}(2N+2771-B_{\bar{N}}(2N+2770)) + B_{\bar{N}}(2N+2771-B_{\bar{N}}(2N+2769)) + B_{\bar{N}}(2N+2771-B_{\bar{N}}(2N+2768))$$

$$= B_{\bar{N}}(2N+2771-(2N+2272)) + B_{\bar{N}}(2N+2771-(N+3029)) + B_{\bar{N}}(2N+2771-(2N-21))$$

$$= B_{\bar{N}}(499) + B_{\bar{N}}(N-258) + B_{\bar{N}}(2792) = 499 + (N-258) + 2792 = N + 3033$$

$$(N > 2792)$$

$$B_{\bar{N}}(2N+2772) = B_{\bar{N}}(2N+2772 - B_{\bar{N}}(2N+2771)) + B_{\bar{N}}(2N+2772 - B_{\bar{N}}(2N+2770)) + B_{\bar{N}}(2N+2772 - B_{\bar{N}}(2N+2769))$$

$$= B_{\bar{N}}(2N+2772 - (N+3033)) + B_{\bar{N}}(2N+2772 - (2N+2272)) + B_{\bar{N}}(2N+2772 - (N+3029))$$

$$= B_{\bar{N}}(N-261) + B_{\bar{N}}(500) + B_{\bar{N}}(N-257) = (N-261) + 500 + (N-257) = 2N-18$$

$$(N > 500)$$

$$B_{\bar{N}}(2N+2773) = B_{\bar{N}}(2N+2773 - B_{\bar{N}}(2N+2772)) + B_{\bar{N}}(2N+2773 - B_{\bar{N}}(2N+2771)) + B_{\bar{N}}(2N+2773 - B_{\bar{N}}(2N+2770))$$

$$= B_{\bar{N}}(2N+2773 - (2N-18)) + B_{\bar{N}}(2N+2773 - (N+3033)) + B_{\bar{N}}(2N+2773 - (2N+2272))$$

$$= B_{\bar{N}}(2791) + B_{\bar{N}}(N-260) + B_{\bar{N}}(501) = 2791 + (N-260) + 501 = N + 3032$$

$$(N \ge 2791)$$

$$B_{\bar{N}}(2N+2774) = B_{\bar{N}}(2N+2774 - B_{\bar{N}}(2N+2773)) + B_{\bar{N}}(2N+2774 - B_{\bar{N}}(2N+2772)) + B_{\bar{N}}(2N+2774 - B_{\bar{N}}(2N+2771))$$

$$= B_{\bar{N}}(2N+2774 - (N+3032)) + B_{\bar{N}}(2N+2774 - (2N-18)) + B_{\bar{N}}(2N+2774 - (N+3033))$$

$$= B_{\bar{N}}(N-258) + B_{\bar{N}}(2792) + B_{\bar{N}}(N-259) = (N-258) + 2792 + (N-259) = 2N + 2275$$

$$(N \ge 2792)$$

$$B_{\bar{N}}(2N+2775) = B_{\bar{N}}(2N+2775-B_{\bar{N}}(2N+2774)) + B_{\bar{N}}(2N+2775-B_{\bar{N}}(2N+2773)) + B_{\bar{N}}(2N+2775-B_{\bar{N}}(2N+2772))$$

$$= B_{\bar{N}}(2N+2775-(2N+2275)) + B_{\bar{N}}(2N+2775-(N+3032)) + B_{\bar{N}}(2N+2775-(2N-18))$$

$$= B_{\bar{N}}(500) + B_{\bar{N}}(N-257) + B_{\bar{N}}(2793) = 500 + (N-257) + 2793 = N + 3036$$

$$(N \ge 2793)$$

$$B_{\bar{N}}(2N+2776) = B_{\bar{N}}(2N+2776 - B_{\bar{N}}(2N+2775)) + B_{\bar{N}}(2N+2776 - B_{\bar{N}}(2N+2774)) + B_{\bar{N}}(2N+2776 - B_{\bar{N}}(2N+2776))$$

$$= B_{\bar{N}}(2N+2776 - (N+3036)) + B_{\bar{N}}(2N+2776 - (2N+2275)) + B_{\bar{N}}(2N+2776 - (N+3032))$$

$$= B_{\bar{N}}(N-260) + B_{\bar{N}}(501) + B_{\bar{N}}(N-256) = (N-260) + 501 + (N-256) = 2N-15$$

$$(N \ge 501)$$

$$B_{\bar{N}}(2N+2777) = B_{\bar{N}}(2N+2777 - B_{\bar{N}}(2N+2776)) + B_{\bar{N}}(2N+2777 - B_{\bar{N}}(2N+2775)) + B_{\bar{N}}(2N+2777 - B_{\bar{N}}(2N+2774))$$

$$= B_{\bar{N}}(2N+2777 - (2N-15)) + B_{\bar{N}}(2N+2777 - (N+3036)) + B_{\bar{N}}(2N+2777 - (2N+2275))$$

$$= B_{\bar{N}}(2792) + B_{\bar{N}}(N-259) + B_{\bar{N}}(502) = 2792 + (N-259) + 502 = N + 3035$$

$$(N \ge 2792)$$

$$B_{\bar{N}}(2N+2778) = B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2777)) + B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2776)) + B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2N+2778-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2779) = B_{\bar{N}}(2N+2779 - B_{\bar{N}}(2N+2778)) + B_{\bar{N}}(2N+2779 - B_{\bar{N}}(2N+2777)) + B_{\bar{N}}(2N+2779 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2780) = B_{\bar{N}}(2N+2780 - B_{\bar{N}}(2N+2779)) + B_{\bar{N}}(2N+2780 - B_{\bar{N}}(2N+2778)) + B_{\bar{N}}(2N+2780 - B_{\bar{N}}(2N+2777))$$

$$= B_{\bar{N}}(2N+2780 - (N+3039)) + B_{\bar{N}}(2N+2780 - (2N+2278)) + B_{\bar{N}}(2N+2780 - (N+3035))$$

$$= B_{\bar{N}}(N-259) + B_{\bar{N}}(502) + B_{\bar{N}}(N-255) = (N-259) + 502 + (N-255) = 2N-12$$

$$(N \ge 502)$$

$$B_{\bar{N}}(2N+2781) = B_{\bar{N}}(2N+2781-B_{\bar{N}}(2N+2780)) + B_{\bar{N}}(2N+2781-B_{\bar{N}}(2N+2779)) + B_{\bar{N}}(2N+2781-B_{\bar{N}}(2N+2778))$$

$$= B_{\bar{N}}(2N+2781-(2N-12)) + B_{\bar{N}}(2N+2781-(N+3039)) + B_{\bar{N}}(2N+2781-(2N+2278))$$

$$= B_{\bar{N}}(2793) + B_{\bar{N}}(N-258) + B_{\bar{N}}(503) = 2793 + (N-258) + 503 = N + 3038$$

$$(N > 2793)$$

$$B_{\bar{N}}(2N+2782) = B_{\bar{N}}(2N+2782-B_{\bar{N}}(2N+2781)) + B_{\bar{N}}(2N+2782-B_{\bar{N}}(2N+2780)) + B_{\bar{N}}(2N+2782-B_{\bar{N}}(2N+2779))$$

$$= B_{\bar{N}}(2N+2782-(N+3038)) + B_{\bar{N}}(2N+2782-(2N-12)) + B_{\bar{N}}(2N+2782-(N+3039))$$

$$= B_{\bar{N}}(N-256) + B_{\bar{N}}(2794) + B_{\bar{N}}(N-257) = (N-256) + 2794 + (N-257) = 2N + 2281$$

$$(N \ge 2794)$$

$$B_{\bar{N}}(2N+2783) = B_{\bar{N}}(2N+2783 - B_{\bar{N}}(2N+2782)) + B_{\bar{N}}(2N+2783 - B_{\bar{N}}(2N+2781)) + B_{\bar{N}}(2N+2783 - B_{\bar{N}}(2N+2783))$$

$$= B_{\bar{N}}(2N+2783 - (2N+2281)) + B_{\bar{N}}(2N+2783 - (N+3038)) + B_{\bar{N}}(2N+2783 - (2N-12))$$

$$= B_{\bar{N}}(502) + B_{\bar{N}}(N-255) + B_{\bar{N}}(2795) = 502 + (N-255) + 2795 = N + 3042$$

$$(N \ge 2795)$$

$$B_{\bar{N}}(2N+2784) = B_{\bar{N}}(2N+2784-B_{\bar{N}}(2N+2783)) + B_{\bar{N}}(2N+2784-B_{\bar{N}}(2N+2782)) + B_{\bar{N}}(2N+2784-B_{\bar{N}}(2N+2781))$$

$$= B_{\bar{N}}(2N+2784-(N+3042)) + B_{\bar{N}}(2N+2784-(2N+2281)) + B_{\bar{N}}(2N+2784-(N+3038))$$

$$= B_{\bar{N}}(N-258) + B_{\bar{N}}(503) + B_{\bar{N}}(N-254) = (N-258) + 503 + (N-254) = 2N-9$$

$$(N \ge 503)$$

$$B_{\bar{N}}(2N+2785) = B_{\bar{N}}(2N+2785-B_{\bar{N}}(2N+2784)) + B_{\bar{N}}(2N+2785-B_{\bar{N}}(2N+2783)) + B_{\bar{N}}(2N+2785-B_{\bar{N}}(2N+2782))$$

$$= B_{\bar{N}}(2N+2785-(2N-9)) + B_{\bar{N}}(2N+2785-(N+3042)) + B_{\bar{N}}(2N+2785-(2N+2281))$$

$$= B_{\bar{N}}(2794) + B_{\bar{N}}(N-257) + B_{\bar{N}}(504) = 2794 + (N-257) + 504 = N + 3041$$

$$(N \ge 2794)$$

$$B_{\bar{N}}(2N+2786) = B_{\bar{N}}(2N+2786-B_{\bar{N}}(2N+2785)) + B_{\bar{N}}(2N+2786-B_{\bar{N}}(2N+2784)) + B_{\bar{N}}(2N+2786-B_{\bar{N}}(2N+2783))$$

$$= B_{\bar{N}}(2N+2786-(N+3041)) + B_{\bar{N}}(2N+2786-(2N-9)) + B_{\bar{N}}(2N+2786-(N+3042))$$

$$= B_{\bar{N}}(N-255) + B_{\bar{N}}(2795) + B_{\bar{N}}(N-256) = (N-255) + 2795 + (N-256) = 2N + 2284$$

$$(N \ge 2795)$$

$$B_{\bar{N}}(2N+2787) = B_{\bar{N}}(2N+2787-B_{\bar{N}}(2N+2786)) + B_{\bar{N}}(2N+2787-B_{\bar{N}}(2N+2785)) + B_{\bar{N}}(2N+2787-B_{\bar{N}}(2N+2784))$$

$$= B_{\bar{N}}(2N+2787-(2N+2284)) + B_{\bar{N}}(2N+2787-(N+3041)) + B_{\bar{N}}(2N+2787-(2N-9))$$

$$= B_{\bar{N}}(503) + B_{\bar{N}}(N-254) + B_{\bar{N}}(2796) = 503 + (N-254) + 2796 = N + 3045$$

$$(N \ge 2796)$$

$$B_{\bar{N}}(2N+2788) = B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2787)) + B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2786)) + B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788-B_{\bar{N}}(2N+2788))) \\ = B_{\bar{N}}(N-257) + B_{\bar{N}}(504) + B_{\bar{N}}(N-253) = (N-257) + 504 + (N-253) = 2N-6 \\ (N \ge 504)$$

$$B_{\bar{N}}(2N+2789) = B_{\bar{N}}(2N+2789 - B_{\bar{N}}(2N+2788)) + B_{\bar{N}}(2N+2789 - B_{\bar{N}}(2N+2787)) + B_{\bar{N}}(2N+2789 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2790) = B_{\bar{N}}(2N+2790 - B_{\bar{N}}(2N+2789)) + B_{\bar{N}}(2N+2790 - B_{\bar{N}}(2N+2788)) + B_{\bar{N}}(2N+2790 - B_{\bar{N}}(2N+2787))$$

$$= B_{\bar{N}}(2N+2790 - (N+3044)) + B_{\bar{N}}(2N+2790 - (2N-6)) + B_{\bar{N}}(2N+2790 - (N+3045))$$

$$= B_{\bar{N}}(N-254) + B_{\bar{N}}(2796) + B_{\bar{N}}(N-255) = (N-254) + 2796 + (N-255) = 2N + 2287$$

$$(N \ge 2796)$$

$$B_{\bar{N}}(2N+2791) = B_{\bar{N}}(2N+2791-B_{\bar{N}}(2N+2790)) + B_{\bar{N}}(2N+2791-B_{\bar{N}}(2N+2789)) + B_{\bar{N}}(2N+2791-B_{\bar{N}}(2N+2788))$$

$$= B_{\bar{N}}(2N+2791-(2N+2287)) + B_{\bar{N}}(2N+2791-(N+3044)) + B_{\bar{N}}(2N+2791-(2N-6))$$

$$= B_{\bar{N}}(504) + B_{\bar{N}}(N-253) + B_{\bar{N}}(2797) = 504 + (N-253) + 2797 = N + 3048$$

$$(N \ge 2797)$$

$$B_{\bar{N}}(2N+2792) = B_{\bar{N}}(2N+2792-B_{\bar{N}}(2N+2791)) + B_{\bar{N}}(2N+2792-B_{\bar{N}}(2N+2790)) + B_{\bar{N}}(2N+2792-B_{\bar{N}}(2N+2789))$$

$$= B_{\bar{N}}(2N+2792-(N+3048)) + B_{\bar{N}}(2N+2792-(2N+2287)) + B_{\bar{N}}(2N+2792-(N+3044))$$

$$= B_{\bar{N}}(N-256) + B_{\bar{N}}(505) + B_{\bar{N}}(N-252) = (N-256) + 505 + (N-252) = 2N-3$$

$$(N \ge 505)$$

$$B_{\bar{N}}(2N+2793) = B_{\bar{N}}(2N+2793-B_{\bar{N}}(2N+2792)) + B_{\bar{N}}(2N+2793-B_{\bar{N}}(2N+2791)) + B_{\bar{N}}(2N+2793-B_{\bar{N}}(2N+2790))$$

$$= B_{\bar{N}}(2N+2793-(2N-3)) + B_{\bar{N}}(2N+2793-(N+3048)) + B_{\bar{N}}(2N+2793-(2N+2287))$$

$$= B_{\bar{N}}(2796) + B_{\bar{N}}(N-255) + B_{\bar{N}}(506) = 2796 + (N-255) + 506 = N + 3047$$

$$(N \ge 2796)$$

$$B_{\bar{N}}(2N+2794) = B_{\bar{N}}(2N+2794-B_{\bar{N}}(2N+2793)) + B_{\bar{N}}(2N+2794-B_{\bar{N}}(2N+2792)) + B_{\bar{N}}(2N+2794-B_{\bar{N}}(2N+2791))$$

$$= B_{\bar{N}}(2N+2794-(N+3047)) + B_{\bar{N}}(2N+2794-(2N-3)) + B_{\bar{N}}(2N+2794-(N+3048))$$

$$= B_{\bar{N}}(N-253) + B_{\bar{N}}(2797) + B_{\bar{N}}(N-254) = (N-253) + 2797 + (N-254) = 2N + 2290$$

$$(N \ge 2797)$$

$$B_{\bar{N}}(2N+2795) = B_{\bar{N}}(2N+2795-B_{\bar{N}}(2N+2794)) + B_{\bar{N}}(2N+2795-B_{\bar{N}}(2N+2793)) + B_{\bar{N}}(2N+2795-B_{\bar{N}}(2N+2792))$$

$$= B_{\bar{N}}(2N+2795-(2N+2290)) + B_{\bar{N}}(2N+2795-(N+3047)) + B_{\bar{N}}(2N+2795-(2N-3))$$

$$= B_{\bar{N}}(505) + B_{\bar{N}}(N-252) + B_{\bar{N}}(2798) = 505 + (N-252) + 2798 = N + 3051$$

$$(N \ge 2798)$$

$$B_{\bar{N}}(2N+2796) = B_{\bar{N}}(2N+2796-B_{\bar{N}}(2N+2795)) + B_{\bar{N}}(2N+2796-B_{\bar{N}}(2N+2794)) + B_{\bar{N}}(2N+2796-B_{\bar{N}}(2N+2793))$$

$$= B_{\bar{N}}(2N+2796-(N+3051)) + B_{\bar{N}}(2N+2796-(2N+2290)) + B_{\bar{N}}(2N+2796-(N+3047))$$

$$= B_{\bar{N}}(N-255) + B_{\bar{N}}(506) + B_{\bar{N}}(N-251) = (N-255) + 506 + (N-251) = 2N$$

$$(N \ge 506)$$

$$B_{\bar{N}}(2N+2797) = B_{\bar{N}}(2N+2797-B_{\bar{N}}(2N+2796)) + B_{\bar{N}}(2N+2797-B_{\bar{N}}(2N+2795)) + B_{\bar{N}}(2N+2797-B_{\bar{N}}(2N+2794))$$

$$= B_{\bar{N}}(2N+2797-2N) + B_{\bar{N}}(2N+2797-(N+3051)) + B_{\bar{N}}(2N+2797-(2N+2290))$$

$$= B_{\bar{N}}(2797) + B_{\bar{N}}(N-254) + B_{\bar{N}}(507) = 2797 + (N-254) + 507 = N + 3050$$

$$(N \ge 2797)$$

$$\begin{split} B_{\bar{N}}(2N+2798) &= B_{\bar{N}}(2N+2798-B_{\bar{N}}(2N+2797)) + B_{\bar{N}}(2N+2798-B_{\bar{N}}(2N+2796)) + B_{\bar{N}}(2N+2798-B_{\bar{N}}(2N+2795)) \\ &= B_{\bar{N}}(2N+2798-(N+3050)) + B_{\bar{N}}(2N+2798-2N) + B_{\bar{N}}(2N+2798-(N+3051)) \\ &= B_{\bar{N}}(N-252) + B_{\bar{N}}(2798) + B_{\bar{N}}(N-253) = (N-252) + 2798 + (N-253) = 2N + 2293 \\ &(N \geq 2798) \end{split}$$

$$B_{\bar{N}}(2N+2799) = B_{\bar{N}}(2N+2799 - B_{\bar{N}}(2N+2798)) + B_{\bar{N}}(2N+2799 - B_{\bar{N}}(2N+2797)) + B_{\bar{N}}(2N+2799 - B_{\bar{N}}(2N+2796))$$

$$= B_{\bar{N}}(2N+2799 - (2N+2293)) + B_{\bar{N}}(2N+2799 - (N+3050)) + B_{\bar{N}}(2N+2799 - 2N)$$

$$= B_{\bar{N}}(506) + B_{\bar{N}}(N-251) + B_{\bar{N}}(2799) = 506 + (N-251) + 2799 = N + 3054$$

$$(N \ge 2799)$$

$$B_{\bar{N}}(2N+2800) = B_{\bar{N}}(2N+2800 - B_{\bar{N}}(2N+2799)) + B_{\bar{N}}(2N+2800 - B_{\bar{N}}(2N+2798)) + B_{\bar{N}}(2N+2800 - B_{\bar{N}}(2N+2797))$$

$$= B_{\bar{N}}(2N+2800 - (N+3054)) + B_{\bar{N}}(2N+2800 - (2N+2293)) + B_{\bar{N}}(2N+2800 - (N+3050))$$

$$= B_{\bar{N}}(N-254) + B_{\bar{N}}(507) + B_{\bar{N}}(N-250) = (N-254) + 507 + (N-250) = 2N+3$$

$$(N \ge 507)$$

$$B_{\bar{N}}(2N+2801) = B_{\bar{N}}(2N+2801 - B_{\bar{N}}(2N+2800)) + B_{\bar{N}}(2N+2801 - B_{\bar{N}}(2N+2799)) + B_{\bar{N}}(2N+2801 - B_{\bar{N}}(2N+2798))$$

$$= B_{\bar{N}}(2N+2801 - (2N+3)) + B_{\bar{N}}(2N+2801 - (N+3054)) + B_{\bar{N}}(2N+2801 - (2N+2293))$$

$$= B_{\bar{N}}(2798) + B_{\bar{N}}(N-253) + B_{\bar{N}}(508) = 2798 + (N-253) + 508 = N + 3053$$

$$(N \ge 2798)$$

$$B_{\bar{N}}(2N+2802) = B_{\bar{N}}(2N+2802 - B_{\bar{N}}(2N+2801)) + B_{\bar{N}}(2N+2802 - B_{\bar{N}}(2N+2800)) + B_{\bar{N}}(2N+2802 - B_{\bar{N}}(2N+2799))$$

$$= B_{\bar{N}}(2N+2802 - (N+3053)) + B_{\bar{N}}(2N+2802 - (2N+3)) + B_{\bar{N}}(2N+2802 - (N+3054))$$

$$= B_{\bar{N}}(N-251) + B_{\bar{N}}(2799) + B_{\bar{N}}(N-252) = (N-251) + 2799 + (N-252) = 2N + 2296$$

$$(N \ge 2799)$$

$$B_{\bar{N}}(2N+2803) = B_{\bar{N}}(2N+2803 - B_{\bar{N}}(2N+2802)) + B_{\bar{N}}(2N+2803 - B_{\bar{N}}(2N+2801)) + B_{\bar{N}}(2N+2803 - B_{\bar{N}}(2N+2803)) + B_{\bar{N}}(2N+2803 - (N+3053)) + B_{\bar{N}}(2N+2$$

$$B_{\bar{N}}(2N+2804) = B_{\bar{N}}(2N+2804 - B_{\bar{N}}(2N+2803)) + B_{\bar{N}}(2N+2804 - B_{\bar{N}}(2N+2802)) + B_{\bar{N}}(2N+2804 - B_{\bar{N}}(2N+2801))$$

$$= B_{\bar{N}}(2N+2804 - (N+3057)) + B_{\bar{N}}(2N+2804 - (2N+2296)) + B_{\bar{N}}(2N+2804 - (N+3053))$$

$$= B_{\bar{N}}(N-253) + B_{\bar{N}}(508) + B_{\bar{N}}(N-249) = (N-253) + 508 + (N-249) = 2N+6$$

$$(N \ge 508)$$

$$B_{\bar{N}}(2N+2805) = B_{\bar{N}}(2N+2805 - B_{\bar{N}}(2N+2804)) + B_{\bar{N}}(2N+2805 - B_{\bar{N}}(2N+2803)) + B_{\bar{N}}(2N+2805 - B_{\bar{N}}(2N+2805))$$

$$= B_{\bar{N}}(2N+2805 - (2N+6)) + B_{\bar{N}}(2N+2805 - (N+3057)) + B_{\bar{N}}(2N+2805 - (2N+2296))$$

$$= B_{\bar{N}}(2799) + B_{\bar{N}}(N-252) + B_{\bar{N}}(509) = 2799 + (N-252) + 509 = N + 3056$$

$$(N \ge 2799)$$

$$B_{\bar{N}}(2N+2806) = B_{\bar{N}}(2N+2806-B_{\bar{N}}(2N+2805)) + B_{\bar{N}}(2N+2806-B_{\bar{N}}(2N+2804)) + B_{\bar{N}}(2N+2806-B_{\bar{N}}(2N+2803)) = B_{\bar{N}}(2N+2806-(N+3056)) + B_{\bar{N}}(2N+2806-(2N+6)) + B_{\bar{N}}(2N+2806-(N+3057)) = B_{\bar{N}}(N-250) + B_{\bar{N}}(2800) + B_{\bar{N}}(N-251) = (N-250) + 2800 + (N-251) = 2N + 2299 (N > 2800)$$

$$B_{\bar{N}}(2N+2807) = B_{\bar{N}}(2N+2807 - B_{\bar{N}}(2N+2806)) + B_{\bar{N}}(2N+2807 - B_{\bar{N}}(2N+2805)) + B_{\bar{N}}(2N+2807 - B_{\bar{N}}(2N+2804))$$

$$= B_{\bar{N}}(2N+2807 - (2N+2299)) + B_{\bar{N}}(2N+2807 - (N+3056)) + B_{\bar{N}}(2N+2807 - (2N+6))$$

$$= B_{\bar{N}}(508) + B_{\bar{N}}(N-249) + B_{\bar{N}}(2801) = 508 + (N-249) + 2801 = N + 3060$$

$$(N \ge 2801)$$

$$B_{\bar{N}}(2N+2808) = B_{\bar{N}}(2N+2808-B_{\bar{N}}(2N+2807)) + B_{\bar{N}}(2N+2808-B_{\bar{N}}(2N+2806)) + B_{\bar{N}}(2N+2808-B_{\bar{N}}(2N+2805))$$

$$= B_{\bar{N}}(2N+2808-(N+3060)) + B_{\bar{N}}(2N+2808-(2N+2299)) + B_{\bar{N}}(2N+2808-(N+3056))$$

$$= B_{\bar{N}}(N-252) + B_{\bar{N}}(509) + B_{\bar{N}}(N-248) = (N-252) + 509 + (N-248) = 2N+9$$

$$(N \ge 509)$$

$$B_{\bar{N}}(2N+2809) = B_{\bar{N}}(2N+2809 - B_{\bar{N}}(2N+2808)) + B_{\bar{N}}(2N+2809 - B_{\bar{N}}(2N+2807)) + B_{\bar{N}}(2N+2809 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2810) = B_{\bar{N}}(2N+2810 - B_{\bar{N}}(2N+2809)) + B_{\bar{N}}(2N+2810 - B_{\bar{N}}(2N+2808)) + B_{\bar{N}}(2N+2810 - B_{\bar{N}}(2N+2807))$$

$$= B_{\bar{N}}(2N+2810 - (N+3059)) + B_{\bar{N}}(2N+2810 - (2N+9)) + B_{\bar{N}}(2N+2810 - (N+3060))$$

$$= B_{\bar{N}}(N-249) + B_{\bar{N}}(2801) + B_{\bar{N}}(N-250) = (N-249) + 2801 + (N-250) = 2N + 2302$$

$$(N \ge 2801)$$

$$B_{\bar{N}}(2N+2811) = B_{\bar{N}}(2N+2811 - B_{\bar{N}}(2N+2810)) + B_{\bar{N}}(2N+2811 - B_{\bar{N}}(2N+2809)) + B_{\bar{N}}(2N+2811 - B_{\bar{N}}(2N+2808))$$

$$= B_{\bar{N}}(2N+2811 - (2N+2302)) + B_{\bar{N}}(2N+2811 - (N+3059)) + B_{\bar{N}}(2N+2811 - (2N+9))$$

$$= B_{\bar{N}}(509) + B_{\bar{N}}(N-248) + B_{\bar{N}}(2802) = 509 + (N-248) + 2802 = N + 3063$$

$$(N \ge 2802)$$

$$B_{\bar{N}}(2N+2812) = B_{\bar{N}}(2N+2812-B_{\bar{N}}(2N+2811)) + B_{\bar{N}}(2N+2812-B_{\bar{N}}(2N+2810)) + B_{\bar{N}}(2N+2812-B_{\bar{N}}(2N+2809))$$

$$= B_{\bar{N}}(2N+2812-(N+3063)) + B_{\bar{N}}(2N+2812-(2N+2302)) + B_{\bar{N}}(2N+2812-(N+3059))$$

$$= B_{\bar{N}}(N-251) + B_{\bar{N}}(510) + B_{\bar{N}}(N-247) = (N-251) + 510 + (N-247) = 2N+12$$

$$(N \ge 510)$$

$$B_{\bar{N}}(2N+2813) = B_{\bar{N}}(2N+2813-B_{\bar{N}}(2N+2812)) + B_{\bar{N}}(2N+2813-B_{\bar{N}}(2N+2811)) + B_{\bar{N}}(2N+2813-B_{\bar{N}}(2N+2810))$$

$$= B_{\bar{N}}(2N+2813-(2N+12)) + B_{\bar{N}}(2N+2813-(N+3063)) + B_{\bar{N}}(2N+2813-(2N+2302))$$

$$= B_{\bar{N}}(2801) + B_{\bar{N}}(N-250) + B_{\bar{N}}(511) = 2801 + (N-250) + 511 = N + 3062$$

$$(N \ge 2801)$$

$$B_{\bar{N}}(2N+2814) = B_{\bar{N}}(2N+2814-B_{\bar{N}}(2N+2813)) + B_{\bar{N}}(2N+2814-B_{\bar{N}}(2N+2812)) + B_{\bar{N}}(2N+2814-B_{\bar{N}}(2N+2811))$$

$$= B_{\bar{N}}(2N+2814-(N+3062)) + B_{\bar{N}}(2N+2814-(2N+12)) + B_{\bar{N}}(2N+2814-(N+3063))$$

$$= B_{\bar{N}}(N-248) + B_{\bar{N}}(2802) + B_{\bar{N}}(N-249) = (N-248) + 2802 + (N-249) = 2N + 2305$$

$$(N \ge 2802)$$

$$B_{\bar{N}}(2N+2815) = B_{\bar{N}}(2N+2815-B_{\bar{N}}(2N+2814)) + B_{\bar{N}}(2N+2815-B_{\bar{N}}(2N+2813)) + B_{\bar{N}}(2N+2815-B_{\bar{N}}(2N+2812))$$

$$= B_{\bar{N}}(2N+2815-(2N+2305)) + B_{\bar{N}}(2N+2815-(N+3062)) + B_{\bar{N}}(2N+2815-(2N+12))$$

$$= B_{\bar{N}}(510) + B_{\bar{N}}(N-247) + B_{\bar{N}}(2803) = 510 + (N-247) + 2803 = N + 3066$$

$$(N \ge 2803)$$

$$B_{\bar{N}}(2N+2816) = B_{\bar{N}}(2N+2816-B_{\bar{N}}(2N+2815)) + B_{\bar{N}}(2N+2816-B_{\bar{N}}(2N+2814)) + B_{\bar{N}}(2N+2816-B_{\bar{N}}(2N+2813))$$

$$= B_{\bar{N}}(2N+2816-(N+3066)) + B_{\bar{N}}(2N+2816-(2N+2305)) + B_{\bar{N}}(2N+2816-(N+3062))$$

$$= B_{\bar{N}}(N-250) + B_{\bar{N}}(511) + B_{\bar{N}}(N-246) = (N-250) + 511 + (N-246) = 2N+15$$

$$(N > 511)$$

$$B_{\bar{N}}(2N+2817) = B_{\bar{N}}(2N+2817 - B_{\bar{N}}(2N+2816)) + B_{\bar{N}}(2N+2817 - B_{\bar{N}}(2N+2815)) + B_{\bar{N}}(2N+2817 - B_{\bar{N}}(2N+2814))$$

$$= B_{\bar{N}}(2N+2817 - (2N+15)) + B_{\bar{N}}(2N+2817 - (N+3066)) + B_{\bar{N}}(2N+2817 - (2N+2305))$$

$$= B_{\bar{N}}(2802) + B_{\bar{N}}(N-249) + B_{\bar{N}}(512) = 2802 + (N-249) + 512 = N + 3065$$

$$(N > 2802)$$

$$B_{\bar{N}}(2N+2818) = B_{\bar{N}}(2N+2818-B_{\bar{N}}(2N+2817)) + B_{\bar{N}}(2N+2818-B_{\bar{N}}(2N+2816)) + B_{\bar{N}}(2N+2818-B_{\bar{N}}(2N+2815))$$

$$= B_{\bar{N}}(2N+2818-(N+3065)) + B_{\bar{N}}(2N+2818-(2N+15)) + B_{\bar{N}}(2N+2818-(N+3066))$$

$$= B_{\bar{N}}(N-247) + B_{\bar{N}}(2803) + B_{\bar{N}}(N-248) = (N-247) + 2803 + (N-248) = 2N + 2308$$

$$(N \ge 2803)$$

$$B_{\bar{N}}(2N+2819) = B_{\bar{N}}(2N+2819 - B_{\bar{N}}(2N+2818)) + B_{\bar{N}}(2N+2819 - B_{\bar{N}}(2N+2817)) + B_{\bar{N}}(2N+2819 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2820) = B_{\bar{N}}(2N+2820 - B_{\bar{N}}(2N+2819)) + B_{\bar{N}}(2N+2820 - B_{\bar{N}}(2N+2818)) + B_{\bar{N}}(2N+2820 - B_{\bar{N}}(2N+2817))$$

$$= B_{\bar{N}}(2N+2820 - (N+3069)) + B_{\bar{N}}(2N+2820 - (2N+2308)) + B_{\bar{N}}(2N+2820 - (N+3065))$$

$$= B_{\bar{N}}(N-249) + B_{\bar{N}}(512) + B_{\bar{N}}(N-245) = (N-249) + 512 + (N-245) = 2N + 18$$

$$(N \ge 512)$$

$$B_{\bar{N}}(2N+2821) = B_{\bar{N}}(2N+2821 - B_{\bar{N}}(2N+2820)) + B_{\bar{N}}(2N+2821 - B_{\bar{N}}(2N+2819)) + B_{\bar{N}}(2N+2821 - B_{\bar{N}}(2N+2818))$$

$$= B_{\bar{N}}(2N+2821 - (2N+18)) + B_{\bar{N}}(2N+2821 - (N+3069)) + B_{\bar{N}}(2N+2821 - (2N+2308))$$

$$= B_{\bar{N}}(2803) + B_{\bar{N}}(N-248) + B_{\bar{N}}(513) = 2803 + (N-248) + 513 = N + 3068$$

$$(N \ge 2803)$$

$$B_{\bar{N}}(2N+2822) = B_{\bar{N}}(2N+2822-B_{\bar{N}}(2N+2821)) + B_{\bar{N}}(2N+2822-B_{\bar{N}}(2N+2820)) + B_{\bar{N}}(2N+2822-B_{\bar{N}}(2N+2819))$$

$$= B_{\bar{N}}(2N+2822-(N+3068)) + B_{\bar{N}}(2N+2822-(2N+18)) + B_{\bar{N}}(2N+2822-(N+3069))$$

$$= B_{\bar{N}}(N-246) + B_{\bar{N}}(2804) + B_{\bar{N}}(N-247) = (N-246) + 2804 + (N-247) = 2N+2311$$

$$(N \ge 2804)$$

$$B_{\bar{N}}(2N+2823) = B_{\bar{N}}(2N+2823 - B_{\bar{N}}(2N+2822)) + B_{\bar{N}}(2N+2823 - B_{\bar{N}}(2N+2821)) + B_{\bar{N}}(2N+2823 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2824) = B_{\bar{N}}(2N+2824-B_{\bar{N}}(2N+2823)) + B_{\bar{N}}(2N+2824-B_{\bar{N}}(2N+2822)) + B_{\bar{N}}(2N+2824-B_{\bar{N}}(2N+2821))$$

$$= B_{\bar{N}}(2N+2824-(N+3072)) + B_{\bar{N}}(2N+2824-(2N+2311)) + B_{\bar{N}}(2N+2824-(N+3068))$$

$$= B_{\bar{N}}(N-248) + B_{\bar{N}}(513) + B_{\bar{N}}(N-244) = (N-248) + 513 + (N-244) = 2N+21$$

$$(N \ge 513)$$

$$B_{\bar{N}}(2N+2825) = B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2824)) + B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2823)) + B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2N+2825-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2826) = B_{\bar{N}}(2N+2826-B_{\bar{N}}(2N+2825)) + B_{\bar{N}}(2N+2826-B_{\bar{N}}(2N+2824)) + B_{\bar{N}}(2N+2826-B_{\bar{N}}(2N+2826))$$

$$= B_{\bar{N}}(2N+2826-(N+3071)) + B_{\bar{N}}(2N+2826-(2N+21)) + B_{\bar{N}}(2N+2826-(N+3072))$$

$$= B_{\bar{N}}(N-245) + B_{\bar{N}}(2805) + B_{\bar{N}}(N-246) = (N-245) + 2805 + (N-246) = 2N + 2314$$

$$(N > 2805)$$

$$B_{\bar{N}}(2N+2827) = B_{\bar{N}}(2N+2827-B_{\bar{N}}(2N+2826)) + B_{\bar{N}}(2N+2827-B_{\bar{N}}(2N+2825)) + B_{\bar{N}}(2N+2827-B_{\bar{N}}(2N+2824))$$

$$= B_{\bar{N}}(2N+2827-(2N+2314)) + B_{\bar{N}}(2N+2827-(N+3071)) + B_{\bar{N}}(2N+2827-(2N+21))$$

$$= B_{\bar{N}}(513) + B_{\bar{N}}(N-244) + B_{\bar{N}}(2806) = 513 + (N-244) + 2806 = N + 3075$$

$$(N \ge 2806)$$

$$B_{\bar{N}}(2N+2828) = B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2827)) + B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2826)) + B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2N+2828-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2829) = B_{\bar{N}}(2N+2829 - B_{\bar{N}}(2N+2828)) + B_{\bar{N}}(2N+2829 - B_{\bar{N}}(2N+2827)) + B_{\bar{N}}(2N+2829 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2830) = B_{\bar{N}}(2N+2830 - B_{\bar{N}}(2N+2829)) + B_{\bar{N}}(2N+2830 - B_{\bar{N}}(2N+2828)) + B_{\bar{N}}(2N+2830 - B_{\bar{N}}(2N+2827))$$

$$= B_{\bar{N}}(2N+2830 - (N+3074)) + B_{\bar{N}}(2N+2830 - (2N+24)) + B_{\bar{N}}(2N+2830 - (N+3075))$$

$$= B_{\bar{N}}(N-244) + B_{\bar{N}}(2806) + B_{\bar{N}}(N-245) = (N-244) + 2806 + (N-245) = 2N + 2317$$

$$(N \ge 2806)$$

$$B_{\bar{N}}(2N+2831) = B_{\bar{N}}(2N+2831 - B_{\bar{N}}(2N+2830)) + B_{\bar{N}}(2N+2831 - B_{\bar{N}}(2N+2829)) + B_{\bar{N}}(2N+2831 - B_{\bar{N}}(2N+2828))$$

$$= B_{\bar{N}}(2N+2831 - (2N+2317)) + B_{\bar{N}}(2N+2831 - (N+3074)) + B_{\bar{N}}(2N+2831 - (2N+24))$$

$$= B_{\bar{N}}(514) + B_{\bar{N}}(N-243) + B_{\bar{N}}(2807) = 514 + (N-243) + 2807 = N + 3078$$

$$(N \ge 2807)$$

$$B_{\bar{N}}(2N+2832) = B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2831)) + B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2830)) + B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2N+2832-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2833) = B_{\bar{N}}(2N+2833-B_{\bar{N}}(2N+2832)) + B_{\bar{N}}(2N+2833-B_{\bar{N}}(2N+2831)) + B_{\bar{N}}(2N+2833-B_{\bar{N}}(2N+2830))$$

$$= B_{\bar{N}}(2N+2833-(2N+27)) + B_{\bar{N}}(2N+2833-(N+3078)) + B_{\bar{N}}(2N+2833-(2N+2317))$$

$$= B_{\bar{N}}(2806) + B_{\bar{N}}(N-245) + B_{\bar{N}}(516) = 2806 + (N-245) + 516 = N + 3077$$

$$(N \ge 2806)$$

$$B_{\bar{N}}(2N+2834) = B_{\bar{N}}(2N+2834 - B_{\bar{N}}(2N+2833)) + B_{\bar{N}}(2N+2834 - B_{\bar{N}}(2N+2832)) + B_{\bar{N}}(2N+2834 - B_{\bar{N}}(2N+2834))$$

$$= B_{\bar{N}}(2N+2834 - (N+3077)) + B_{\bar{N}}(2N+2834 - (2N+27)) + B_{\bar{N}}(2N+2834 - (N+3078))$$

$$= B_{\bar{N}}(N-243) + B_{\bar{N}}(2807) + B_{\bar{N}}(N-244) = (N-243) + 2807 + (N-244) = 2N + 2320$$

$$(N \ge 2807)$$

$$B_{\bar{N}}(2N+2835) = B_{\bar{N}}(2N+2835-B_{\bar{N}}(2N+2834)) + B_{\bar{N}}(2N+2835-B_{\bar{N}}(2N+2835)) + B_{\bar{N}}(2N+2835-B_{\bar{N}}(2N+2835))$$

$$= B_{\bar{N}}(2N+2835-(2N+2320)) + B_{\bar{N}}(2N+2835-(N+3077)) + B_{\bar{N}}(2N+2835-(2N+27))$$

$$= B_{\bar{N}}(515) + B_{\bar{N}}(N-242) + B_{\bar{N}}(2808) = 515 + (N-242) + 2808 = N + 3081$$

$$(N \ge 2808)$$

$$B_{\bar{N}}(2N+2836) = B_{\bar{N}}(2N+2836-B_{\bar{N}}(2N+2835)) + B_{\bar{N}}(2N+2836-B_{\bar{N}}(2N+2834)) + B_{\bar{N}}(2N+2836-B_{\bar{N}}(2N+2836))$$

$$= B_{\bar{N}}(2N+2836-(N+3081)) + B_{\bar{N}}(2N+2836-(2N+2320)) + B_{\bar{N}}(2N+2836-(N+3077))$$

$$= B_{\bar{N}}(N-245) + B_{\bar{N}}(516) + B_{\bar{N}}(N-241) = (N-245) + 516 + (N-241) = 2N + 30$$

$$(N \ge 516)$$

$$B_{\bar{N}}(2N+2837) = B_{\bar{N}}(2N+2837 - B_{\bar{N}}(2N+2836)) + B_{\bar{N}}(2N+2837 - B_{\bar{N}}(2N+2835)) + B_{\bar{N}}(2N+2837 - B_{\bar{N}}(2N+2834))$$

$$= B_{\bar{N}}(2N+2837 - (2N+30)) + B_{\bar{N}}(2N+2837 - (N+3081)) + B_{\bar{N}}(2N+2837 - (2N+2320))$$

$$= B_{\bar{N}}(2807) + B_{\bar{N}}(N-244) + B_{\bar{N}}(517) = 2807 + (N-244) + 517 = N + 3080$$

$$(N > 2807)$$

$$B_{\bar{N}}(2N+2838) = B_{\bar{N}}(2N+2838-B_{\bar{N}}(2N+2837)) + B_{\bar{N}}(2N+2838-B_{\bar{N}}(2N+2836)) + B_{\bar{N}}(2N+2838-B_{\bar{N}}(2N+2835))$$

$$= B_{\bar{N}}(2N+2838-(N+3080)) + B_{\bar{N}}(2N+2838-(2N+30)) + B_{\bar{N}}(2N+2838-(N+3081))$$

$$= B_{\bar{N}}(N-242) + B_{\bar{N}}(2808) + B_{\bar{N}}(N-243) = (N-242) + 2808 + (N-243) = 2N+2323$$

$$(N \ge 2808)$$

$$B_{\bar{N}}(2N+2839) = B_{\bar{N}}(2N+2839 - B_{\bar{N}}(2N+2838)) + B_{\bar{N}}(2N+2839 - B_{\bar{N}}(2N+2837)) + B_{\bar{N}}(2N+2839 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2840) = B_{\bar{N}}(2N+2840-B_{\bar{N}}(2N+2839)) + B_{\bar{N}}(2N+2840-B_{\bar{N}}(2N+2838)) + B_{\bar{N}}(2N+2840-B_{\bar{N}}(2N+2837))$$

$$= B_{\bar{N}}(2N+2840-(N+3084)) + B_{\bar{N}}(2N+2840-(2N+2323)) + B_{\bar{N}}(2N+2840-(N+3080))$$

$$= B_{\bar{N}}(N-244) + B_{\bar{N}}(517) + B_{\bar{N}}(N-240) = (N-244) + 517 + (N-240) = 2N+33$$

$$(N \ge 517)$$

$$B_{\bar{N}}(2N+2841) = B_{\bar{N}}(2N+2841 - B_{\bar{N}}(2N+2840)) + B_{\bar{N}}(2N+2841 - B_{\bar{N}}(2N+2839)) + B_{\bar{N}}(2N+2841 - B_{\bar{N}}(2N+2838))$$

$$= B_{\bar{N}}(2N+2841 - (2N+33)) + B_{\bar{N}}(2N+2841 - (N+3084)) + B_{\bar{N}}(2N+2841 - (2N+2323))$$

$$= B_{\bar{N}}(2808) + B_{\bar{N}}(N-243) + B_{\bar{N}}(518) = 2808 + (N-243) + 518 = N + 3083$$

$$(N \ge 2808)$$

$$B_{\bar{N}}(2N+2842) = B_{\bar{N}}(2N+2842-B_{\bar{N}}(2N+2841)) + B_{\bar{N}}(2N+2842-B_{\bar{N}}(2N+2840)) + B_{\bar{N}}(2N+2842-B_{\bar{N}}(2N+2839))$$

$$= B_{\bar{N}}(2N+2842-(N+3083)) + B_{\bar{N}}(2N+2842-(2N+33)) + B_{\bar{N}}(2N+2842-(N+3084))$$

$$= B_{\bar{N}}(N-241) + B_{\bar{N}}(2809) + B_{\bar{N}}(N-242) = (N-241) + 2809 + (N-242) = 2N + 2326$$

$$(N \ge 2809)$$

$$B_{\bar{N}}(2N+2843) = B_{\bar{N}}(2N+2843 - B_{\bar{N}}(2N+2842)) + B_{\bar{N}}(2N+2843 - B_{\bar{N}}(2N+2841)) + B_{\bar{N}}(2N+2843 - B_{\bar{N}}(2N+2843))$$

$$= B_{\bar{N}}(2N+2843 - (2N+2326)) + B_{\bar{N}}(2N+2843 - (N+3083)) + B_{\bar{N}}(2N+2843 - (2N+33))$$

$$= B_{\bar{N}}(517) + B_{\bar{N}}(N-240) + B_{\bar{N}}(2810) = 517 + (N-240) + 2810 = N + 3087$$

$$(N \ge 2810)$$

$$B_{\bar{N}}(2N+2844) = B_{\bar{N}}(2N+2844-B_{\bar{N}}(2N+2843)) + B_{\bar{N}}(2N+2844-B_{\bar{N}}(2N+2842)) + B_{\bar{N}}(2N+2844-B_{\bar{N}}(2N+2841))$$

$$= B_{\bar{N}}(2N+2844-(N+3087)) + B_{\bar{N}}(2N+2844-(2N+2326)) + B_{\bar{N}}(2N+2844-(N+3083))$$

$$= B_{\bar{N}}(N-243) + B_{\bar{N}}(518) + B_{\bar{N}}(N-239) = (N-243) + 518 + (N-239) = 2N + 36$$

$$(N \ge 518)$$

$$B_{\bar{N}}(2N+2845) = B_{\bar{N}}(2N+2845-B_{\bar{N}}(2N+2844)) + B_{\bar{N}}(2N+2845-B_{\bar{N}}(2N+2843)) + B_{\bar{N}}(2N+2845-B_{\bar{N}}(2N+2845))$$

$$= B_{\bar{N}}(2N+2845-(2N+36)) + B_{\bar{N}}(2N+2845-(N+3087)) + B_{\bar{N}}(2N+2845-(2N+2326))$$

$$= B_{\bar{N}}(2809) + B_{\bar{N}}(N-242) + B_{\bar{N}}(519) = 2809 + (N-242) + 519 = N + 3086$$

$$(N \ge 2809)$$

$$B_{\bar{N}}(2N+2846) = B_{\bar{N}}(2N+2846 - B_{\bar{N}}(2N+2845)) + B_{\bar{N}}(2N+2846 - B_{\bar{N}}(2N+2844)) + B_{\bar{N}}(2N+2846 - B_{\bar{N}}(2N+2846))$$

$$= B_{\bar{N}}(2N+2846 - (N+3086)) + B_{\bar{N}}(2N+2846 - (2N+36)) + B_{\bar{N}}(2N+2846 - (N+3087))$$

$$= B_{\bar{N}}(N-240) + B_{\bar{N}}(2810) + B_{\bar{N}}(N-241) = (N-240) + 2810 + (N-241) = 2N + 2329$$

$$(N \ge 2810)$$

$$B_{\bar{N}}(2N+2847) = B_{\bar{N}}(2N+2847 - B_{\bar{N}}(2N+2846)) + B_{\bar{N}}(2N+2847 - B_{\bar{N}}(2N+2845)) + B_{\bar{N}}(2N+2847 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2848) = B_{\bar{N}}(2N+2848-B_{\bar{N}}(2N+2847)) + B_{\bar{N}}(2N+2848-B_{\bar{N}}(2N+2846)) + B_{\bar{N}}(2N+2848-B_{\bar{N}}(2N+2845))$$

$$= B_{\bar{N}}(2N+2848-(N+3090)) + B_{\bar{N}}(2N+2848-(2N+2329)) + B_{\bar{N}}(2N+2848-(N+3086))$$

$$= B_{\bar{N}}(N-242) + B_{\bar{N}}(519) + B_{\bar{N}}(N-238) = (N-242) + 519 + (N-238) = 2N+39$$

$$(N \ge 519)$$

$$B_{\bar{N}}(2N+2849) = B_{\bar{N}}(2N+2849 - B_{\bar{N}}(2N+2848)) + B_{\bar{N}}(2N+2849 - B_{\bar{N}}(2N+2847)) + B_{\bar{N}}(2N+2849 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2850) = B_{\bar{N}}(2N+2850 - B_{\bar{N}}(2N+2849)) + B_{\bar{N}}(2N+2850 - B_{\bar{N}}(2N+2848)) + B_{\bar{N}}(2N+2850 - B_{\bar{N}}(2N+2847))$$

$$= B_{\bar{N}}(2N+2850 - (N+3089)) + B_{\bar{N}}(2N+2850 - (2N+39)) + B_{\bar{N}}(2N+2850 - (N+3090))$$

$$= B_{\bar{N}}(N-239) + B_{\bar{N}}(2811) + B_{\bar{N}}(N-240) = (N-239) + 2811 + (N-240) = 2N + 2332$$

$$(N \ge 2811)$$

$$B_{\bar{N}}(2N+2851) = B_{\bar{N}}(2N+2851 - B_{\bar{N}}(2N+2850)) + B_{\bar{N}}(2N+2851 - B_{\bar{N}}(2N+2849)) + B_{\bar{N}}(2N+2851 - B_{\bar{N}}(2N+2848))$$

$$= B_{\bar{N}}(2N+2851 - (2N+2332)) + B_{\bar{N}}(2N+2851 - (N+3089)) + B_{\bar{N}}(2N+2851 - (2N+39))$$

$$= B_{\bar{N}}(519) + B_{\bar{N}}(N-238) + B_{\bar{N}}(2812) = 519 + (N-238) + 2812 = N + 3093$$

$$(N \ge 2812)$$

$$B_{\bar{N}}(2N+2852) = B_{\bar{N}}(2N+2852-B_{\bar{N}}(2N+2851)) + B_{\bar{N}}(2N+2852-B_{\bar{N}}(2N+2850)) + B_{\bar{N}}(2N+2852-B_{\bar{N}}(2N+2849))$$

$$= B_{\bar{N}}(2N+2852-(N+3093)) + B_{\bar{N}}(2N+2852-(2N+2332)) + B_{\bar{N}}(2N+2852-(N+3089))$$

$$= B_{\bar{N}}(N-241) + B_{\bar{N}}(520) + B_{\bar{N}}(N-237) = (N-241) + 520 + (N-237) = 2N+42$$

$$(N \ge 520)$$

$$B_{\bar{N}}(2N+2853) = B_{\bar{N}}(2N+2853-B_{\bar{N}}(2N+2852)) + B_{\bar{N}}(2N+2853-B_{\bar{N}}(2N+2851)) + B_{\bar{N}}(2N+2853-B_{\bar{N}}(2N+2850)) = B_{\bar{N}}(2N+2853-(2N+42)) + B_{\bar{N}}(2N+2853-(N+3093)) + B_{\bar{N}}(2N+2853-(2N+2332)) = B_{\bar{N}}(2811) + B_{\bar{N}}(N-240) + B_{\bar{N}}(521) = 2811 + (N-240) + 521 = N + 3092 (N \ge 2811)$$

$$B_{\bar{N}}(2N+2854) = B_{\bar{N}}(2N+2854 - B_{\bar{N}}(2N+2853)) + B_{\bar{N}}(2N+2854 - B_{\bar{N}}(2N+2852)) + B_{\bar{N}}(2N+2854 - B_{\bar{N}}(2N+2851))$$

$$= B_{\bar{N}}(2N+2854 - (N+3092)) + B_{\bar{N}}(2N+2854 - (2N+42)) + B_{\bar{N}}(2N+2854 - (N+3093))$$

$$= B_{\bar{N}}(N-238) + B_{\bar{N}}(2812) + B_{\bar{N}}(N-239) = (N-238) + 2812 + (N-239) = 2N + 2335$$

$$(N \ge 2812)$$

$$B_{\bar{N}}(2N+2855) = B_{\bar{N}}(2N+2855-B_{\bar{N}}(2N+2854)) + B_{\bar{N}}(2N+2855-B_{\bar{N}}(2N+2853)) + B_{\bar{N}}(2N+2855-B_{\bar{N}}(2N+2852))$$

$$= B_{\bar{N}}(2N+2855-(2N+2335)) + B_{\bar{N}}(2N+2855-(N+3092)) + B_{\bar{N}}(2N+2855-(2N+42))$$

$$= B_{\bar{N}}(520) + B_{\bar{N}}(N-237) + B_{\bar{N}}(2813) = 520 + (N-237) + 2813 = N + 3096$$

$$(N \ge 2813)$$

$$B_{\bar{N}}(2N+2856) = B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2855)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2854)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2856) + B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2857) = B_{\bar{N}}(2N+2857 - B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2857 - B_{\bar{N}}(2N+2855)) + B_{\bar{N}}(2N+2857 - B_{\bar{N}}(2N+2854))$$

$$= B_{\bar{N}}(2N+2857 - (2N+45)) + B_{\bar{N}}(2N+2857 - (N+3096)) + B_{\bar{N}}(2N+2857 - (2N+2335))$$

$$= B_{\bar{N}}(2812) + B_{\bar{N}}(N-239) + B_{\bar{N}}(522) = 2812 + (N-239) + 522 = N + 3095$$

$$(N \ge 2812)$$

$$B_{\bar{N}}(2N+2858) = B_{\bar{N}}(2N+2858-B_{\bar{N}}(2N+2857)) + B_{\bar{N}}(2N+2858-B_{\bar{N}}(2N+2856)) + B_{\bar{N}}(2N+2858-B_{\bar{N}}(2N+2858))$$

$$= B_{\bar{N}}(2N+2858-(N+3095)) + B_{\bar{N}}(2N+2858-(2N+45)) + B_{\bar{N}}(2N+2858-(N+3096))$$

$$= B_{\bar{N}}(N-237) + B_{\bar{N}}(2813) + B_{\bar{N}}(N-238) = (N-237) + 2813 + (N-238) = 2N + 2338$$

$$(N \ge 2813)$$

$$B_{\bar{N}}(2N+2859) = B_{\bar{N}}(2N+2859 - B_{\bar{N}}(2N+2858)) + B_{\bar{N}}(2N+2859 - B_{\bar{N}}(2N+2857)) + B_{\bar{N}}(2N+2859 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2860) = B_{\bar{N}}(2N+2860 - B_{\bar{N}}(2N+2859)) + B_{\bar{N}}(2N+2860 - B_{\bar{N}}(2N+2858)) + B_{\bar{N}}(2N+2860 - B_{\bar{N}}(2N+2857))$$

$$= B_{\bar{N}}(2N+2860 - (N+3099)) + B_{\bar{N}}(2N+2860 - (2N+2338)) + B_{\bar{N}}(2N+2860 - (N+3095))$$

$$= B_{\bar{N}}(N-239) + B_{\bar{N}}(522) + B_{\bar{N}}(N-235) = (N-239) + 522 + (N-235) = 2N + 48$$

$$(N \ge 522)$$

$$B_{\bar{N}}(2N+2861) = B_{\bar{N}}(2N+2861 - B_{\bar{N}}(2N+2860)) + B_{\bar{N}}(2N+2861 - B_{\bar{N}}(2N+2859)) + B_{\bar{N}}(2N+2861 - B_{\bar{N}}(2N+2858))$$

$$= B_{\bar{N}}(2N+2861 - (2N+48)) + B_{\bar{N}}(2N+2861 - (N+3099)) + B_{\bar{N}}(2N+2861 - (2N+2338))$$

$$= B_{\bar{N}}(2813) + B_{\bar{N}}(N-238) + B_{\bar{N}}(523) = 2813 + (N-238) + 523 = N + 3098$$

$$(N \ge 2813)$$

$$B_{\bar{N}}(2N+2862) = B_{\bar{N}}(2N+2862 - B_{\bar{N}}(2N+2861)) + B_{\bar{N}}(2N+2862 - B_{\bar{N}}(2N+2860)) + B_{\bar{N}}(2N+2862 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2863) = B_{\bar{N}}(2N+2863 - B_{\bar{N}}(2N+2862)) + B_{\bar{N}}(2N+2863 - B_{\bar{N}}(2N+2861)) + B_{\bar{N}}(2N+2863 - B_{\bar{N}}(2N+2863))$$

$$= B_{\bar{N}}(2N+2863 - (2N+2341)) + B_{\bar{N}}(2N+2863 - (N+3098)) + B_{\bar{N}}(2N+2863 - (2N+48))$$

$$= B_{\bar{N}}(522) + B_{\bar{N}}(N-235) + B_{\bar{N}}(2815) = 522 + (N-235) + 2815 = N + 3102$$

$$(N \ge 2815)$$

$$B_{\bar{N}}(2N+2864) = B_{\bar{N}}(2N+2864 - B_{\bar{N}}(2N+2863)) + B_{\bar{N}}(2N+2864 - B_{\bar{N}}(2N+2862)) + B_{\bar{N}}(2N+2864 - B_{\bar{N}}(2N+2861))$$

$$= B_{\bar{N}}(2N+2864 - (N+3102)) + B_{\bar{N}}(2N+2864 - (2N+2341)) + B_{\bar{N}}(2N+2864 - (N+3098))$$

$$= B_{\bar{N}}(N-238) + B_{\bar{N}}(523) + B_{\bar{N}}(N-234) = (N-238) + 523 + (N-234) = 2N + 51$$

$$(N \ge 523)$$

$$B_{\bar{N}}(2N+2865) = B_{\bar{N}}(2N+2865 - B_{\bar{N}}(2N+2864)) + B_{\bar{N}}(2N+2865 - B_{\bar{N}}(2N+2863)) + B_{\bar{N}}(2N+2865 - B_{\bar{N}}(2N+2865))$$

$$= B_{\bar{N}}(2N+2865 - (2N+51)) + B_{\bar{N}}(2N+2865 - (N+3102)) + B_{\bar{N}}(2N+2865 - (2N+2341))$$

$$= B_{\bar{N}}(2814) + B_{\bar{N}}(N-237) + B_{\bar{N}}(524) = 2814 + (N-237) + 524 = N + 3101$$

$$(N \ge 2814)$$

$$B_{\bar{N}}(2N+2866) = B_{\bar{N}}(2N+2866-B_{\bar{N}}(2N+2865)) + B_{\bar{N}}(2N+2866-B_{\bar{N}}(2N+2864)) + B_{\bar{N}}(2N+2866-B_{\bar{N}}(2N+2863))$$

$$= B_{\bar{N}}(2N+2866-(N+3101)) + B_{\bar{N}}(2N+2866-(2N+51)) + B_{\bar{N}}(2N+2866-(N+3102))$$

$$= B_{\bar{N}}(N-235) + B_{\bar{N}}(2815) + B_{\bar{N}}(N-236) = (N-235) + 2815 + (N-236) = 2N + 2344$$

$$(N \ge 2815)$$

$$B_{\bar{N}}(2N+2867) = B_{\bar{N}}(2N+2867 - B_{\bar{N}}(2N+2866)) + B_{\bar{N}}(2N+2867 - B_{\bar{N}}(2N+2865)) + B_{\bar{N}}(2N+2867 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2868) = B_{\bar{N}}(2N+2868-B_{\bar{N}}(2N+2867)) + B_{\bar{N}}(2N+2868-B_{\bar{N}}(2N+2866)) + B_{\bar{N}}(2N+2868-B_{\bar{N}}(2N+2865))$$

$$= B_{\bar{N}}(2N+2868-(N+3105)) + B_{\bar{N}}(2N+2868-(2N+2344)) + B_{\bar{N}}(2N+2868-(N+3101))$$

$$= B_{\bar{N}}(N-237) + B_{\bar{N}}(524) + B_{\bar{N}}(N-233) = (N-237) + 524 + (N-233) = 2N + 54$$

$$(N \ge 524)$$

$$B_{\bar{N}}(2N+2869) = B_{\bar{N}}(2N+2869 - B_{\bar{N}}(2N+2868)) + B_{\bar{N}}(2N+2869 - B_{\bar{N}}(2N+2867)) + B_{\bar{N}}(2N+2869 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2870) = B_{\bar{N}}(2N+2870 - B_{\bar{N}}(2N+2869)) + B_{\bar{N}}(2N+2870 - B_{\bar{N}}(2N+2868)) + B_{\bar{N}}(2N+2870 - B_{\bar{N}}(2N+2867))$$

$$= B_{\bar{N}}(2N+2870 - (N+3104)) + B_{\bar{N}}(2N+2870 - (2N+54)) + B_{\bar{N}}(2N+2870 - (N+3105))$$

$$= B_{\bar{N}}(N-234) + B_{\bar{N}}(2816) + B_{\bar{N}}(N-235) = (N-234) + 2816 + (N-235) = 2N + 2347$$

$$(N \ge 2816)$$

$$B_{\bar{N}}(2N+2871) = B_{\bar{N}}(2N+2871 - B_{\bar{N}}(2N+2870)) + B_{\bar{N}}(2N+2871 - B_{\bar{N}}(2N+2869)) + B_{\bar{N}}(2N+2871 - B_{\bar{N}}(2N+2868))$$

$$= B_{\bar{N}}(2N+2871 - (2N+2347)) + B_{\bar{N}}(2N+2871 - (N+3104)) + B_{\bar{N}}(2N+2871 - (2N+54))$$

$$= B_{\bar{N}}(524) + B_{\bar{N}}(N-233) + B_{\bar{N}}(2817) = 524 + (N-233) + 2817 = N + 3108$$

$$(N \ge 2817)$$

$$B_{\bar{N}}(2N+2872) = B_{\bar{N}}(2N+2872 - B_{\bar{N}}(2N+2871)) + B_{\bar{N}}(2N+2872 - B_{\bar{N}}(2N+2870)) + B_{\bar{N}}(2N+2872 - B_{\bar{N}}(2N+2869))$$

$$= B_{\bar{N}}(2N+2872 - (N+3108)) + B_{\bar{N}}(2N+2872 - (2N+2347)) + B_{\bar{N}}(2N+2872 - (N+3104))$$

$$= B_{\bar{N}}(N-236) + B_{\bar{N}}(525) + B_{\bar{N}}(N-232) = (N-236) + 525 + (N-232) = 2N + 57$$

$$(N \ge 525)$$

$$B_{\bar{N}}(2N+2873) = B_{\bar{N}}(2N+2873 - B_{\bar{N}}(2N+2872)) + B_{\bar{N}}(2N+2873 - B_{\bar{N}}(2N+2871)) + B_{\bar{N}}(2N+2873 - B_{\bar{N}}(2N+2873))$$

$$= B_{\bar{N}}(2N+2873 - (2N+57)) + B_{\bar{N}}(2N+2873 - (N+3108)) + B_{\bar{N}}(2N+2873 - (2N+2347))$$

$$= B_{\bar{N}}(2816) + B_{\bar{N}}(N-235) + B_{\bar{N}}(526) = 2816 + (N-235) + 526 = N + 3107$$

$$(N \ge 2816)$$

$$B_{\bar{N}}(2N+2874) = B_{\bar{N}}(2N+2874 - B_{\bar{N}}(2N+2873)) + B_{\bar{N}}(2N+2874 - B_{\bar{N}}(2N+2872)) + B_{\bar{N}}(2N+2874 - B_{\bar{N}}(2N+2874))$$

$$= B_{\bar{N}}(2N+2874 - (N+3107)) + B_{\bar{N}}(2N+2874 - (2N+57)) + B_{\bar{N}}(2N+2874 - (N+3108))$$

$$= B_{\bar{N}}(N-233) + B_{\bar{N}}(2817) + B_{\bar{N}}(N-234) = (N-233) + 2817 + (N-234) = 2N + 2350$$

$$(N \ge 2817)$$

$$\begin{split} B_{\bar{N}}(2N+2875) &= B_{\bar{N}}(2N+2875 - B_{\bar{N}}(2N+2874)) + B_{\bar{N}}(2N+2875 - B_{\bar{N}}(2N+2873)) + B_{\bar{N}}(2N+2875 - B_{\bar{N}}(2N+2872)) \\ &= B_{\bar{N}}(2N+2875 - (2N+2350)) + B_{\bar{N}}(2N+2875 - (N+3107)) + B_{\bar{N}}(2N+2875 - (2N+57)) \\ &= B_{\bar{N}}(525) + B_{\bar{N}}(N-232) + B_{\bar{N}}(2818) = 525 + (N-232) + 2818 = N + 3111 \\ &(N \geq 2818) \end{split}$$

$$B_{\bar{N}}(2N+2876) = B_{\bar{N}}(2N+2876 - B_{\bar{N}}(2N+2875)) + B_{\bar{N}}(2N+2876 - B_{\bar{N}}(2N+2874)) + B_{\bar{N}}(2N+2876 - B_{\bar{N}}(2N+2876))$$

$$= B_{\bar{N}}(2N+2876 - (N+3111)) + B_{\bar{N}}(2N+2876 - (2N+2350)) + B_{\bar{N}}(2N+2876 - (N+3107))$$

$$= B_{\bar{N}}(N-235) + B_{\bar{N}}(526) + B_{\bar{N}}(N-231) = (N-235) + 526 + (N-231) = 2N + 60$$

$$(N \ge 526)$$

$$B_{\bar{N}}(2N+2877) = B_{\bar{N}}(2N+2877 - B_{\bar{N}}(2N+2876)) + B_{\bar{N}}(2N+2877 - B_{\bar{N}}(2N+2875)) + B_{\bar{N}}(2N+2877 - B_{\bar{N}}(2N+2874))$$

$$= B_{\bar{N}}(2N+2877 - (2N+60)) + B_{\bar{N}}(2N+2877 - (N+3111)) + B_{\bar{N}}(2N+2877 - (2N+2350))$$

$$= B_{\bar{N}}(2817) + B_{\bar{N}}(N-234) + B_{\bar{N}}(527) = 2817 + (N-234) + 527 = N + 3110$$

$$(N \ge 2817)$$

$$B_{\bar{N}}(2N+2878) = B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2877)) + B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2876)) + B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2N+2878-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2879) = B_{\bar{N}}(2N+2879 - B_{\bar{N}}(2N+2878)) + B_{\bar{N}}(2N+2879 - B_{\bar{N}}(2N+2877)) + B_{\bar{N}}(2N+2879 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2880) = B_{\bar{N}}(2N+2880 - B_{\bar{N}}(2N+2879)) + B_{\bar{N}}(2N+2880 - B_{\bar{N}}(2N+2878)) + B_{\bar{N}}(2N+2880 - B_{\bar{N}}(2N+2877))$$

$$= B_{\bar{N}}(2N+2880 - (N+3114)) + B_{\bar{N}}(2N+2880 - (2N+2353)) + B_{\bar{N}}(2N+2880 - (N+3110))$$

$$= B_{\bar{N}}(N-234) + B_{\bar{N}}(527) + B_{\bar{N}}(N-230) = (N-234) + 527 + (N-230) = 2N + 63$$

$$(N \ge 527)$$

$$B_{\bar{N}}(2N+2881) = B_{\bar{N}}(2N+2881 - B_{\bar{N}}(2N+2880)) + B_{\bar{N}}(2N+2881 - B_{\bar{N}}(2N+2879)) + B_{\bar{N}}(2N+2881 - B_{\bar{N}}(2N+2878))$$

$$= B_{\bar{N}}(2N+2881 - (2N+63)) + B_{\bar{N}}(2N+2881 - (N+3114)) + B_{\bar{N}}(2N+2881 - (2N+2353))$$

$$= B_{\bar{N}}(2818) + B_{\bar{N}}(N-233) + B_{\bar{N}}(528) = 2818 + (N-233) + 528 = N + 3113$$

$$(N > 2818)$$

$$B_{\bar{N}}(2N+2882) = B_{\bar{N}}(2N+2882-B_{\bar{N}}(2N+2881)) + B_{\bar{N}}(2N+2882-B_{\bar{N}}(2N+2880)) + B_{\bar{N}}(2N+2882-B_{\bar{N}}(2N+2879))$$

$$= B_{\bar{N}}(2N+2882-(N+3113)) + B_{\bar{N}}(2N+2882-(2N+63)) + B_{\bar{N}}(2N+2882-(N+3114))$$

$$= B_{\bar{N}}(N-231) + B_{\bar{N}}(2819) + B_{\bar{N}}(N-232) = (N-231) + 2819 + (N-232) = 2N + 2356$$

$$(N \ge 2819)$$

$$B_{\bar{N}}(2N+2883) = B_{\bar{N}}(2N+2883-B_{\bar{N}}(2N+2882)) + B_{\bar{N}}(2N+2883-B_{\bar{N}}(2N+2881)) + B_{\bar{N}}(2N+2883-B_{\bar{N}}(2N+2883))$$

$$= B_{\bar{N}}(2N+2883-(2N+2356)) + B_{\bar{N}}(2N+2883-(N+3113)) + B_{\bar{N}}(2N+2883-(2N+63))$$

$$= B_{\bar{N}}(527) + B_{\bar{N}}(N-230) + B_{\bar{N}}(2820) = 527 + (N-230) + 2820 = N + 3117$$

$$(N \ge 2820)$$

$$B_{\bar{N}}(2N+2884) = B_{\bar{N}}(2N+2884-B_{\bar{N}}(2N+2883)) + B_{\bar{N}}(2N+2884-B_{\bar{N}}(2N+2882)) + B_{\bar{N}}(2N+2884-B_{\bar{N}}(2N+2881))$$

$$= B_{\bar{N}}(2N+2884-(N+3117)) + B_{\bar{N}}(2N+2884-(2N+2356)) + B_{\bar{N}}(2N+2884-(N+3113))$$

$$= B_{\bar{N}}(N-233) + B_{\bar{N}}(528) + B_{\bar{N}}(N-229) = (N-233) + 528 + (N-229) = 2N + 66$$

$$(N \ge 528)$$

$$B_{\bar{N}}(2N+2885) = B_{\bar{N}}(2N+2885 - B_{\bar{N}}(2N+2884)) + B_{\bar{N}}(2N+2885 - B_{\bar{N}}(2N+2883)) + B_{\bar{N}}(2N+2885 - B_{\bar{N}}(2N+2885))$$

$$= B_{\bar{N}}(2N+2885 - (2N+66)) + B_{\bar{N}}(2N+2885 - (N+3117)) + B_{\bar{N}}(2N+2885 - (2N+2356))$$

$$= B_{\bar{N}}(2819) + B_{\bar{N}}(N-232) + B_{\bar{N}}(529) = 2819 + (N-232) + 529 = N + 3116$$

$$(N \ge 2819)$$

$$B_{\bar{N}}(2N+2886) = B_{\bar{N}}(2N+2886 - B_{\bar{N}}(2N+2885)) + B_{\bar{N}}(2N+2886 - B_{\bar{N}}(2N+2884)) + B_{\bar{N}}(2N+2886 - B_{\bar{N}}(2N+2886))$$

$$= B_{\bar{N}}(2N+2886 - (N+3116)) + B_{\bar{N}}(2N+2886 - (2N+66)) + B_{\bar{N}}(2N+2886 - (N+3117))$$

$$= B_{\bar{N}}(N-230) + B_{\bar{N}}(2820) + B_{\bar{N}}(N-231) = (N-230) + 2820 + (N-231) = 2N + 2359$$

$$(N \ge 2820)$$

$$B_{\bar{N}}(2N+2887) = B_{\bar{N}}(2N+2887 - B_{\bar{N}}(2N+2886)) + B_{\bar{N}}(2N+2887 - B_{\bar{N}}(2N+2885)) + B_{\bar{N}}(2N+2887 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2888) = B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2887)) + B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2886)) + B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2N+2888-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+2889) = B_{\bar{N}}(2N+2889 - B_{\bar{N}}(2N+2888)) + B_{\bar{N}}(2N+2889 - B_{\bar{N}}(2N+2887)) + B_{\bar{N}}(2N+2889 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+2890) &= B_{\bar{N}}(2N+2890 - B_{\bar{N}}(2N+2889)) + B_{\bar{N}}(2N+2890 - B_{\bar{N}}(2N+2888)) + B_{\bar{N}}(2N+2890 - B_{\bar{N}}(2N+2887)) \\ &= B_{\bar{N}}(2N+2890 - (N+3119)) + B_{\bar{N}}(2N+2890 - (2N+69)) + B_{\bar{N}}(2N+2890 - (N+3120)) \\ &= B_{\bar{N}}(N-229) + B_{\bar{N}}(2821) + B_{\bar{N}}(N-230) = (N-229) + 2821 + (N-230) = 2N+2362 \\ &(N \geq 2821) \end{split}$$

$$B_{\bar{N}}(2N+2891) = B_{\bar{N}}(2N+2891 - B_{\bar{N}}(2N+2890)) + B_{\bar{N}}(2N+2891 - B_{\bar{N}}(2N+2890)) + B_{\bar{N}}(2N+2891 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2892) = B_{\bar{N}}(2N+2892 - B_{\bar{N}}(2N+2891)) + B_{\bar{N}}(2N+2892 - B_{\bar{N}}(2N+2890)) + B_{\bar{N}}(2N+2892 - B_{\bar{N}}(2N+2892))$$

$$= B_{\bar{N}}(2N+2892 - (N+3123)) + B_{\bar{N}}(2N+2892 - (2N+2362)) + B_{\bar{N}}(2N+2892 - (N+3119))$$

$$= B_{\bar{N}}(N-231) + B_{\bar{N}}(530) + B_{\bar{N}}(N-227) = (N-231) + 530 + (N-227) = 2N + 72$$

$$(N \ge 530)$$

$$B_{\bar{N}}(2N+2893) = B_{\bar{N}}(2N+2893 - B_{\bar{N}}(2N+2892)) + B_{\bar{N}}(2N+2893 - B_{\bar{N}}(2N+2891)) + B_{\bar{N}}(2N+2893 - B_{\bar{N}}(2N+2893))$$

$$= B_{\bar{N}}(2N+2893 - (2N+72)) + B_{\bar{N}}(2N+2893 - (N+3123)) + B_{\bar{N}}(2N+2893 - (2N+2362))$$

$$= B_{\bar{N}}(2821) + B_{\bar{N}}(N-230) + B_{\bar{N}}(531) = 2821 + (N-230) + 531 = N + 3122$$

$$(N \ge 2821)$$

$$B_{\bar{N}}(2N+2894) = B_{\bar{N}}(2N+2894-B_{\bar{N}}(2N+2893)) + B_{\bar{N}}(2N+2894-B_{\bar{N}}(2N+2892)) + B_{\bar{N}}(2N+2894-B_{\bar{N}}(2N+2891))$$

$$= B_{\bar{N}}(2N+2894-(N+3122)) + B_{\bar{N}}(2N+2894-(2N+72)) + B_{\bar{N}}(2N+2894-(N+3123))$$

$$= B_{\bar{N}}(N-228) + B_{\bar{N}}(2822) + B_{\bar{N}}(N-229) = (N-228) + 2822 + (N-229) = 2N + 2365$$

$$(N \ge 2822)$$

$$B_{\bar{N}}(2N+2895) = B_{\bar{N}}(2N+2895-B_{\bar{N}}(2N+2894)) + B_{\bar{N}}(2N+2895-B_{\bar{N}}(2N+2893)) + B_{\bar{N}}(2N+2895-B_{\bar{N}}(2N+2892))$$

$$= B_{\bar{N}}(2N+2895-(2N+2365)) + B_{\bar{N}}(2N+2895-(N+3122)) + B_{\bar{N}}(2N+2895-(2N+72))$$

$$= B_{\bar{N}}(530) + B_{\bar{N}}(N-227) + B_{\bar{N}}(2823) = 530 + (N-227) + 2823 = N + 3126$$

$$(N \ge 2823)$$

$$B_{\bar{N}}(2N+2896) = B_{\bar{N}}(2N+2896-B_{\bar{N}}(2N+2895)) + B_{\bar{N}}(2N+2896-B_{\bar{N}}(2N+2894)) + B_{\bar{N}}(2N+2896-B_{\bar{N}}(2N+2893))$$

$$= B_{\bar{N}}(2N+2896-(N+3126)) + B_{\bar{N}}(2N+2896-(2N+2365)) + B_{\bar{N}}(2N+2896-(N+3122))$$

$$= B_{\bar{N}}(N-230) + B_{\bar{N}}(531) + B_{\bar{N}}(N-226) = (N-230) + 531 + (N-226) = 2N + 75$$

$$(N \ge 531)$$

$$B_{\bar{N}}(2N+2897) = B_{\bar{N}}(2N+2897 - B_{\bar{N}}(2N+2896)) + B_{\bar{N}}(2N+2897 - B_{\bar{N}}(2N+2895)) + B_{\bar{N}}(2N+2897 - B_{\bar{N}}(2N+2894))$$

$$= B_{\bar{N}}(2N+2897 - (2N+75)) + B_{\bar{N}}(2N+2897 - (N+3126)) + B_{\bar{N}}(2N+2897 - (2N+2365))$$

$$= B_{\bar{N}}(2822) + B_{\bar{N}}(N-229) + B_{\bar{N}}(532) = 2822 + (N-229) + 532 = N + 3125$$

$$(N \ge 2822)$$

$$B_{\bar{N}}(2N+2898) = B_{\bar{N}}(2N+2898-B_{\bar{N}}(2N+2897)) + B_{\bar{N}}(2N+2898-B_{\bar{N}}(2N+2896)) + B_{\bar{N}}(2N+2898-B_{\bar{N}}(2N+2895))$$

$$= B_{\bar{N}}(2N+2898-(N+3125)) + B_{\bar{N}}(2N+2898-(2N+75)) + B_{\bar{N}}(2N+2898-(N+3126))$$

$$= B_{\bar{N}}(N-227) + B_{\bar{N}}(2823) + B_{\bar{N}}(N-228) = (N-227) + 2823 + (N-228) = 2N + 2368$$

$$(N \ge 2823)$$

$$B_{\bar{N}}(2N+2899) = B_{\bar{N}}(2N+2899 - B_{\bar{N}}(2N+2898)) + B_{\bar{N}}(2N+2899 - B_{\bar{N}}(2N+2897)) + B_{\bar{N}}(2N+2899 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+2900) &= B_{\bar{N}}(2N+2900-B_{\bar{N}}(2N+2899)) + B_{\bar{N}}(2N+2900-B_{\bar{N}}(2N+2898)) + B_{\bar{N}}(2N+2900-B_{\bar{N}}(2N+2897)) \\ &= B_{\bar{N}}(2N+2900-(N+3129)) + B_{\bar{N}}(2N+2900-(2N+2368)) + B_{\bar{N}}(2N+2900-(N+3125)) \\ &= B_{\bar{N}}(N-229) + B_{\bar{N}}(532) + B_{\bar{N}}(N-225) = (N-229) + 532 + (N-225) = 2N + 78 \\ &(N \geq 532) \end{split}$$

$$B_{\bar{N}}(2N+2901) = B_{\bar{N}}(2N+2901-B_{\bar{N}}(2N+2900)) + B_{\bar{N}}(2N+2901-B_{\bar{N}}(2N+2899)) + B_{\bar{N}}(2N+2901-B_{\bar{N}}(2N+2898))$$

$$= B_{\bar{N}}(2N+2901-(2N+78)) + B_{\bar{N}}(2N+2901-(N+3129)) + B_{\bar{N}}(2N+2901-(2N+2368))$$

$$= B_{\bar{N}}(2823) + B_{\bar{N}}(N-228) + B_{\bar{N}}(533) = 2823 + (N-228) + 533 = N + 3128$$

$$(N > 2823)$$

$$B_{\bar{N}}(2N+2902) = B_{\bar{N}}(2N+2902-B_{\bar{N}}(2N+2901)) + B_{\bar{N}}(2N+2902-B_{\bar{N}}(2N+2900)) + B_{\bar{N}}(2N+2902-B_{\bar{N}}(2N+2899))$$

$$= B_{\bar{N}}(2N+2902-(N+3128)) + B_{\bar{N}}(2N+2902-(2N+78)) + B_{\bar{N}}(2N+2902-(N+3129))$$

$$= B_{\bar{N}}(N-226) + B_{\bar{N}}(2824) + B_{\bar{N}}(N-227) = (N-226) + 2824 + (N-227) = 2N + 2371$$

$$(N \ge 2824)$$

$$B_{\bar{N}}(2N+2903) = B_{\bar{N}}(2N+2903-B_{\bar{N}}(2N+2902)) + B_{\bar{N}}(2N+2903-B_{\bar{N}}(2N+2901)) + B_{\bar{N}}(2N+2903-B_{\bar{N}}(2N+2900))$$

$$= B_{\bar{N}}(2N+2903-(2N+2371)) + B_{\bar{N}}(2N+2903-(N+3128)) + B_{\bar{N}}(2N+2903-(2N+78))$$

$$= B_{\bar{N}}(532) + B_{\bar{N}}(N-225) + B_{\bar{N}}(2825) = 532 + (N-225) + 2825 = N + 3132$$

$$(N \ge 2825)$$

$$B_{\bar{N}}(2N+2904) = B_{\bar{N}}(2N+2904-B_{\bar{N}}(2N+2903)) + B_{\bar{N}}(2N+2904-B_{\bar{N}}(2N+2902)) + B_{\bar{N}}(2N+2904-B_{\bar{N}}(2N+2901))$$

$$= B_{\bar{N}}(2N+2904-(N+3132)) + B_{\bar{N}}(2N+2904-(2N+2371)) + B_{\bar{N}}(2N+2904-(N+3128))$$

$$= B_{\bar{N}}(N-228) + B_{\bar{N}}(533) + B_{\bar{N}}(N-224) = (N-228) + 533 + (N-224) = 2N+81$$

$$(N \ge 533)$$

$$B_{\bar{N}}(2N+2905) = B_{\bar{N}}(2N+2905-B_{\bar{N}}(2N+2904)) + B_{\bar{N}}(2N+2905-B_{\bar{N}}(2N+2903)) + B_{\bar{N}}(2N+2905-B_{\bar{N}}(2N+2902))$$

$$= B_{\bar{N}}(2N+2905-(2N+81)) + B_{\bar{N}}(2N+2905-(N+3132)) + B_{\bar{N}}(2N+2905-(2N+2371))$$

$$= B_{\bar{N}}(2824) + B_{\bar{N}}(N-227) + B_{\bar{N}}(534) = 2824 + (N-227) + 534 = N + 3131$$

$$(N \ge 2824)$$

$$B_{\bar{N}}(2N+2906) = B_{\bar{N}}(2N+2906-B_{\bar{N}}(2N+2905)) + B_{\bar{N}}(2N+2906-B_{\bar{N}}(2N+2904)) + B_{\bar{N}}(2N+2906-B_{\bar{N}}(2N+2903))$$

$$= B_{\bar{N}}(2N+2906-(N+3131)) + B_{\bar{N}}(2N+2906-(2N+81)) + B_{\bar{N}}(2N+2906-(N+3132))$$

$$= B_{\bar{N}}(N-225) + B_{\bar{N}}(2825) + B_{\bar{N}}(N-226) = (N-225) + 2825 + (N-226) = 2N + 2374$$

$$(N \ge 2825)$$

$$B_{\bar{N}}(2N+2907) = B_{\bar{N}}(2N+2907 - B_{\bar{N}}(2N+2906)) + B_{\bar{N}}(2N+2907 - B_{\bar{N}}(2N+2905)) + B_{\bar{N}}(2N+2907 - B_{\bar{N}}(2N+2904))$$

$$= B_{\bar{N}}(2N+2907 - (2N+2374)) + B_{\bar{N}}(2N+2907 - (N+3131)) + B_{\bar{N}}(2N+2907 - (2N+81))$$

$$= B_{\bar{N}}(533) + B_{\bar{N}}(N-224) + B_{\bar{N}}(2826) = 533 + (N-224) + 2826 = N + 3135$$

$$(N \ge 2826)$$

$$B_{\bar{N}}(2N+2908) = B_{\bar{N}}(2N+2908-B_{\bar{N}}(2N+2907)) + B_{\bar{N}}(2N+2908-B_{\bar{N}}(2N+2906)) + B_{\bar{N}}(2N+2908-B_{\bar{N}}(2N+2905))$$

$$= B_{\bar{N}}(2N+2908-(N+3135)) + B_{\bar{N}}(2N+2908-(2N+2374)) + B_{\bar{N}}(2N+2908-(N+3131))$$

$$= B_{\bar{N}}(N-227) + B_{\bar{N}}(534) + B_{\bar{N}}(N-223) = (N-227) + 534 + (N-223) = 2N + 84$$

$$(N \ge 534)$$

$$B_{\bar{N}}(2N+2909) = B_{\bar{N}}(2N+2909 - B_{\bar{N}}(2N+2908)) + B_{\bar{N}}(2N+2909 - B_{\bar{N}}(2N+2907)) + B_{\bar{N}}(2N+2909 - B_{\bar{N}}(2N+2906))$$

$$= B_{\bar{N}}(2N+2909 - (2N+84)) + B_{\bar{N}}(2N+2909 - (N+3135)) + B_{\bar{N}}(2N+2909 - (2N+2374))$$

$$= B_{\bar{N}}(2825) + B_{\bar{N}}(N-226) + B_{\bar{N}}(535) = 2825 + (N-226) + 535 = N + 3134$$

$$(N \ge 2825)$$

$$B_{\bar{N}}(2N+2910) = B_{\bar{N}}(2N+2910-B_{\bar{N}}(2N+2909)) + B_{\bar{N}}(2N+2910-B_{\bar{N}}(2N+2908)) + B_{\bar{N}}(2N+2910-B_{\bar{N}}(2N+2907))$$

$$= B_{\bar{N}}(2N+2910-(N+3134)) + B_{\bar{N}}(2N+2910-(2N+84)) + B_{\bar{N}}(2N+2910-(N+3135))$$

$$= B_{\bar{N}}(N-224) + B_{\bar{N}}(2826) + B_{\bar{N}}(N-225) = (N-224) + 2826 + (N-225) = 2N + 2377$$

$$(N \ge 2826)$$

$$B_{\bar{N}}(2N+2911) = B_{\bar{N}}(2N+2911-B_{\bar{N}}(2N+2910)) + B_{\bar{N}}(2N+2911-B_{\bar{N}}(2N+2909)) + B_{\bar{N}}(2N+2911-B_{\bar{N}}(2N+2908))$$

$$= B_{\bar{N}}(2N+2911-(2N+2377)) + B_{\bar{N}}(2N+2911-(N+3134)) + B_{\bar{N}}(2N+2911-(2N+84))$$

$$= B_{\bar{N}}(534) + B_{\bar{N}}(N-223) + B_{\bar{N}}(2827) = 534 + (N-223) + 2827 = N + 3138$$

$$(N > 2827)$$

$$B_{\bar{N}}(2N+2912) = B_{\bar{N}}(2N+2912-B_{\bar{N}}(2N+2911)) + B_{\bar{N}}(2N+2912-B_{\bar{N}}(2N+2910)) + B_{\bar{N}}(2N+2912-B_{\bar{N}}(2N+2909))$$

$$= B_{\bar{N}}(2N+2912-(N+3138)) + B_{\bar{N}}(2N+2912-(2N+2377)) + B_{\bar{N}}(2N+2912-(N+3134))$$

$$= B_{\bar{N}}(N-226) + B_{\bar{N}}(535) + B_{\bar{N}}(N-222) = (N-226) + 535 + (N-222) = 2N + 87$$

$$(N \ge 535)$$

$$B_{\bar{N}}(2N+2913) = B_{\bar{N}}(2N+2913-B_{\bar{N}}(2N+2912)) + B_{\bar{N}}(2N+2913-B_{\bar{N}}(2N+2911)) + B_{\bar{N}}(2N+2913-B_{\bar{N}}(2N+2910))$$

$$= B_{\bar{N}}(2N+2913-(2N+87)) + B_{\bar{N}}(2N+2913-(N+3138)) + B_{\bar{N}}(2N+2913-(2N+2377))$$

$$= B_{\bar{N}}(2826) + B_{\bar{N}}(N-225) + B_{\bar{N}}(536) = 2826 + (N-225) + 536 = N + 3137$$

$$(N \ge 2826)$$

$$B_{\bar{N}}(2N+2914) = B_{\bar{N}}(2N+2914-B_{\bar{N}}(2N+2913)) + B_{\bar{N}}(2N+2914-B_{\bar{N}}(2N+2912)) + B_{\bar{N}}(2N+2914-B_{\bar{N}}(2N+2911))$$

$$= B_{\bar{N}}(2N+2914-(N+3137)) + B_{\bar{N}}(2N+2914-(2N+87)) + B_{\bar{N}}(2N+2914-(N+3138))$$

$$= B_{\bar{N}}(N-223) + B_{\bar{N}}(2827) + B_{\bar{N}}(N-224) = (N-223) + 2827 + (N-224) = 2N + 2380$$

$$(N \ge 2827)$$

$$B_{\bar{N}}(2N+2915) = B_{\bar{N}}(2N+2915-B_{\bar{N}}(2N+2914)) + B_{\bar{N}}(2N+2915-B_{\bar{N}}(2N+2913)) + B_{\bar{N}}(2N+2915-B_{\bar{N}}(2N+2912))$$

$$= B_{\bar{N}}(2N+2915-(2N+2380)) + B_{\bar{N}}(2N+2915-(N+3137)) + B_{\bar{N}}(2N+2915-(2N+87))$$

$$= B_{\bar{N}}(535) + B_{\bar{N}}(N-222) + B_{\bar{N}}(2828) = 535 + (N-222) + 2828 = N + 3141$$

$$(N \ge 2828)$$

$$B_{\bar{N}}(2N+2916) = B_{\bar{N}}(2N+2916-B_{\bar{N}}(2N+2915)) + B_{\bar{N}}(2N+2916-B_{\bar{N}}(2N+2914)) + B_{\bar{N}}(2N+2916-B_{\bar{N}}(2N+2913))$$

$$= B_{\bar{N}}(2N+2916-(N+3141)) + B_{\bar{N}}(2N+2916-(2N+2380)) + B_{\bar{N}}(2N+2916-(N+3137))$$

$$= B_{\bar{N}}(N-225) + B_{\bar{N}}(536) + B_{\bar{N}}(N-221) = (N-225) + 536 + (N-221) = 2N + 90$$

$$(N > 536)$$

$$B_{\bar{N}}(2N+2917) = B_{\bar{N}}(2N+2917-B_{\bar{N}}(2N+2916)) + B_{\bar{N}}(2N+2917-B_{\bar{N}}(2N+2915)) + B_{\bar{N}}(2N+2917-B_{\bar{N}}(2N+2914))$$

$$= B_{\bar{N}}(2N+2917-(2N+90)) + B_{\bar{N}}(2N+2917-(N+3141)) + B_{\bar{N}}(2N+2917-(2N+2380))$$

$$= B_{\bar{N}}(2827) + B_{\bar{N}}(N-224) + B_{\bar{N}}(537) = 2827 + (N-224) + 537 = N + 3140$$

$$(N \ge 2827)$$

$$B_{\bar{N}}(2N+2918) = B_{\bar{N}}(2N+2918-B_{\bar{N}}(2N+2917)) + B_{\bar{N}}(2N+2918-B_{\bar{N}}(2N+2916)) + B_{\bar{N}}(2N+2918-B_{\bar{N}}(2N+2915))$$

$$= B_{\bar{N}}(2N+2918-(N+3140)) + B_{\bar{N}}(2N+2918-(2N+90)) + B_{\bar{N}}(2N+2918-(N+3141))$$

$$= B_{\bar{N}}(N-222) + B_{\bar{N}}(2828) + B_{\bar{N}}(N-223) = (N-222) + 2828 + (N-223) = 2N + 2383$$

$$(N \ge 2828)$$

$$B_{\bar{N}}(2N+2919) = B_{\bar{N}}(2N+2919 - B_{\bar{N}}(2N+2918)) + B_{\bar{N}}(2N+2919 - B_{\bar{N}}(2N+2917)) + B_{\bar{N}}(2N+2919 - B_{\bar{N}}(2N+2916))$$

$$= B_{\bar{N}}(2N+2919 - (2N+2383)) + B_{\bar{N}}(2N+2919 - (N+3140)) + B_{\bar{N}}(2N+2919 - (2N+90))$$

$$= B_{\bar{N}}(536) + B_{\bar{N}}(N-221) + B_{\bar{N}}(2829) = 536 + (N-221) + 2829 = N + 3144$$

$$(N \ge 2829)$$

$$B_{\bar{N}}(2N+2920) = B_{\bar{N}}(2N+2920-B_{\bar{N}}(2N+2919)) + B_{\bar{N}}(2N+2920-B_{\bar{N}}(2N+2918)) + B_{\bar{N}}(2N+2920-B_{\bar{N}}(2N+2917))$$

$$= B_{\bar{N}}(2N+2920-(N+3144)) + B_{\bar{N}}(2N+2920-(2N+2383)) + B_{\bar{N}}(2N+2920-(N+3140))$$

$$= B_{\bar{N}}(N-224) + B_{\bar{N}}(537) + B_{\bar{N}}(N-220) = (N-224) + 537 + (N-220) = 2N+93$$

$$(N \ge 537)$$

$$B_{\bar{N}}(2N+2921) = B_{\bar{N}}(2N+2921-B_{\bar{N}}(2N+2920)) + B_{\bar{N}}(2N+2921-B_{\bar{N}}(2N+2919)) + B_{\bar{N}}(2N+2921-B_{\bar{N}}(2N+2918))$$

$$= B_{\bar{N}}(2N+2921-(2N+93)) + B_{\bar{N}}(2N+2921-(N+3144)) + B_{\bar{N}}(2N+2921-(2N+2383))$$

$$= B_{\bar{N}}(2828) + B_{\bar{N}}(N-223) + B_{\bar{N}}(538) = 2828 + (N-223) + 538 = N + 3143$$

$$(N \ge 2828)$$

$$B_{\bar{N}}(2N+2922) = B_{\bar{N}}(2N+2922-B_{\bar{N}}(2N+2921)) + B_{\bar{N}}(2N+2922-B_{\bar{N}}(2N+2920)) + B_{\bar{N}}(2N+2922-B_{\bar{N}}(2N+2919))$$

$$= B_{\bar{N}}(2N+2922-(N+3143)) + B_{\bar{N}}(2N+2922-(2N+93)) + B_{\bar{N}}(2N+2922-(N+3144))$$

$$= B_{\bar{N}}(N-221) + B_{\bar{N}}(2829) + B_{\bar{N}}(N-222) = (N-221) + 2829 + (N-222) = 2N + 2386$$

$$(N \ge 2829)$$

$$B_{\bar{N}}(2N+2923) = B_{\bar{N}}(2N+2923-B_{\bar{N}}(2N+2922)) + B_{\bar{N}}(2N+2923-B_{\bar{N}}(2N+2921)) + B_{\bar{N}}(2N+2923-B_{\bar{N}}(2N+2920))$$

$$= B_{\bar{N}}(2N+2923-(2N+2386)) + B_{\bar{N}}(2N+2923-(N+3143)) + B_{\bar{N}}(2N+2923-(2N+93))$$

$$= B_{\bar{N}}(537) + B_{\bar{N}}(N-220) + B_{\bar{N}}(2830) = 537 + (N-220) + 2830 = N + 3147$$

$$(N \ge 2830)$$

$$B_{\bar{N}}(2N+2924) = B_{\bar{N}}(2N+2924-B_{\bar{N}}(2N+2923)) + B_{\bar{N}}(2N+2924-B_{\bar{N}}(2N+2922)) + B_{\bar{N}}(2N+2924-B_{\bar{N}}(2N+2921))$$

$$= B_{\bar{N}}(2N+2924-(N+3147)) + B_{\bar{N}}(2N+2924-(2N+2386)) + B_{\bar{N}}(2N+2924-(N+3143))$$

$$= B_{\bar{N}}(N-223) + B_{\bar{N}}(538) + B_{\bar{N}}(N-219) = (N-223) + 538 + (N-219) = 2N+96$$

$$(N \ge 538)$$

$$B_{\bar{N}}(2N+2925) = B_{\bar{N}}(2N+2925-B_{\bar{N}}(2N+2924)) + B_{\bar{N}}(2N+2925-B_{\bar{N}}(2N+2923)) + B_{\bar{N}}(2N+2925-B_{\bar{N}}(2N+2925))$$

$$= B_{\bar{N}}(2N+2925-(2N+96)) + B_{\bar{N}}(2N+2925-(N+3147)) + B_{\bar{N}}(2N+2925-(2N+2386))$$

$$= B_{\bar{N}}(2829) + B_{\bar{N}}(N-222) + B_{\bar{N}}(539) = 2829 + (N-222) + 539 = N + 3146$$

$$(N \ge 2829)$$

$$B_{\bar{N}}(2N+2926) = B_{\bar{N}}(2N+2926-B_{\bar{N}}(2N+2925)) + B_{\bar{N}}(2N+2926-B_{\bar{N}}(2N+2924)) + B_{\bar{N}}(2N+2926-B_{\bar{N}}(2N+2923))$$

$$= B_{\bar{N}}(2N+2926-(N+3146)) + B_{\bar{N}}(2N+2926-(2N+96)) + B_{\bar{N}}(2N+2926-(N+3147))$$

$$= B_{\bar{N}}(N-220) + B_{\bar{N}}(2830) + B_{\bar{N}}(N-221) = (N-220) + 2830 + (N-221) = 2N + 2389$$

$$(N > 2830)$$

$$B_{\bar{N}}(2N+2927) = B_{\bar{N}}(2N+2927 - B_{\bar{N}}(2N+2926)) + B_{\bar{N}}(2N+2927 - B_{\bar{N}}(2N+2925)) + B_{\bar{N}}(2N+2927 - B_{\bar{N}}(2N+2924))$$

$$= B_{\bar{N}}(2N+2927 - (2N+2389)) + B_{\bar{N}}(2N+2927 - (N+3146)) + B_{\bar{N}}(2N+2927 - (2N+96))$$

$$= B_{\bar{N}}(538) + B_{\bar{N}}(N-219) + B_{\bar{N}}(2831) = 538 + (N-219) + 2831 = N + 3150$$

$$(N \ge 2831)$$

$$B_{\bar{N}}(2N+2928) = B_{\bar{N}}(2N+2928-B_{\bar{N}}(2N+2927)) + B_{\bar{N}}(2N+2928-B_{\bar{N}}(2N+2926)) + B_{\bar{N}}(2N+2928-B_{\bar{N}}(2N+2925))$$

$$= B_{\bar{N}}(2N+2928-(N+3150)) + B_{\bar{N}}(2N+2928-(2N+2389)) + B_{\bar{N}}(2N+2928-(N+3146))$$

$$= B_{\bar{N}}(N-222) + B_{\bar{N}}(539) + B_{\bar{N}}(N-218) = (N-222) + 539 + (N-218) = 2N+99$$

$$(N \ge 539)$$

$$B_{\bar{N}}(2N+2929) = B_{\bar{N}}(2N+2929 - B_{\bar{N}}(2N+2928)) + B_{\bar{N}}(2N+2929 - B_{\bar{N}}(2N+2927)) + B_{\bar{N}}(2N+2929 - B_{\bar{N}}(2N+2926))$$

$$= B_{\bar{N}}(2N+2929 - (2N+99)) + B_{\bar{N}}(2N+2929 - (N+3150)) + B_{\bar{N}}(2N+2929 - (2N+2389))$$

$$= B_{\bar{N}}(2830) + B_{\bar{N}}(N-221) + B_{\bar{N}}(540) = 2830 + (N-221) + 540 = N + 3149$$

$$(N \ge 2830)$$

$$B_{\bar{N}}(2N+2930) = B_{\bar{N}}(2N+2930-B_{\bar{N}}(2N+2929)) + B_{\bar{N}}(2N+2930-B_{\bar{N}}(2N+2928)) + B_{\bar{N}}(2N+2930-B_{\bar{N}}(2N+2927))$$

$$= B_{\bar{N}}(2N+2930-(N+3149)) + B_{\bar{N}}(2N+2930-(2N+99)) + B_{\bar{N}}(2N+2930-(N+3150))$$

$$= B_{\bar{N}}(N-219) + B_{\bar{N}}(2831) + B_{\bar{N}}(N-220) = (N-219) + 2831 + (N-220) = 2N+2392$$

$$(N \ge 2831)$$

$$B_{\bar{N}}(2N+2931) = B_{\bar{N}}(2N+2931-B_{\bar{N}}(2N+2930)) + B_{\bar{N}}(2N+2931-B_{\bar{N}}(2N+2929)) + B_{\bar{N}}(2N+2931-B_{\bar{N}}(2N+2928))$$

$$= B_{\bar{N}}(2N+2931-(2N+2392)) + B_{\bar{N}}(2N+2931-(N+3149)) + B_{\bar{N}}(2N+2931-(2N+99))$$

$$= B_{\bar{N}}(539) + B_{\bar{N}}(N-218) + B_{\bar{N}}(2832) = 539 + (N-218) + 2832 = N + 3153$$

$$(N \ge 2832)$$

$$B_{\bar{N}}(2N+2932) = B_{\bar{N}}(2N+2932-B_{\bar{N}}(2N+2931)) + B_{\bar{N}}(2N+2932-B_{\bar{N}}(2N+2930)) + B_{\bar{N}}(2N+2932-B_{\bar{N}}(2N+2929))$$

$$= B_{\bar{N}}(2N+2932-(N+3153)) + B_{\bar{N}}(2N+2932-(2N+2392)) + B_{\bar{N}}(2N+2932-(N+3149))$$

$$= B_{\bar{N}}(N-221) + B_{\bar{N}}(540) + B_{\bar{N}}(N-217) = (N-221) + 540 + (N-217) = 2N + 102$$

$$(N \ge 540)$$

$$\begin{split} B_{\bar{N}}(2N+2933) &= B_{\bar{N}}(2N+2933-B_{\bar{N}}(2N+2932)) + B_{\bar{N}}(2N+2933-B_{\bar{N}}(2N+2931)) + B_{\bar{N}}(2N+2933-B_{\bar{N}}(2N+2930)) \\ &= B_{\bar{N}}(2N+2933-(2N+102)) + B_{\bar{N}}(2N+2933-(N+3153)) + B_{\bar{N}}(2N+2933-(2N+2392)) \\ &= B_{\bar{N}}(2831) + B_{\bar{N}}(N-220) + B_{\bar{N}}(541) = 2831 + (N-220) + 541 = N + 3152 \\ &(N \geq 2831) \end{split}$$

$$B_{\bar{N}}(2N+2934) = B_{\bar{N}}(2N+2934-B_{\bar{N}}(2N+2933)) + B_{\bar{N}}(2N+2934-B_{\bar{N}}(2N+2932)) + B_{\bar{N}}(2N+2934-B_{\bar{N}}(2N+2931))$$

$$= B_{\bar{N}}(2N+2934-(N+3152)) + B_{\bar{N}}(2N+2934-(2N+102)) + B_{\bar{N}}(2N+2934-(N+3153))$$

$$= B_{\bar{N}}(N-218) + B_{\bar{N}}(2832) + B_{\bar{N}}(N-219) = (N-218) + 2832 + (N-219) = 2N + 2395$$

$$(N \ge 2832)$$

$$\begin{split} B_{\bar{N}}(2N+2935) &= B_{\bar{N}}(2N+2935-B_{\bar{N}}(2N+2934)) + B_{\bar{N}}(2N+2935-B_{\bar{N}}(2N+2933)) + B_{\bar{N}}(2N+2935-B_{\bar{N}}(2N+2932)) \\ &= B_{\bar{N}}(2N+2935-(2N+2395)) + B_{\bar{N}}(2N+2935-(N+3152)) + B_{\bar{N}}(2N+2935-(2N+102)) \\ &= B_{\bar{N}}(540) + B_{\bar{N}}(N-217) + B_{\bar{N}}(2833) = 540 + (N-217) + 2833 = N + 3156 \\ &(N \geq 2833) \end{split}$$

$$B_{\bar{N}}(2N+2936) = B_{\bar{N}}(2N+2936-B_{\bar{N}}(2N+2935)) + B_{\bar{N}}(2N+2936-B_{\bar{N}}(2N+2934)) + B_{\bar{N}}(2N+2936-B_{\bar{N}}(2N+2933))$$

$$= B_{\bar{N}}(2N+2936-(N+3156)) + B_{\bar{N}}(2N+2936-(2N+2395)) + B_{\bar{N}}(2N+2936-(N+3152))$$

$$= B_{\bar{N}}(N-220) + B_{\bar{N}}(541) + B_{\bar{N}}(N-216) = (N-220) + 541 + (N-216) = 2N + 105$$

$$(N \ge 541)$$

$$B_{\bar{N}}(2N+2937) = B_{\bar{N}}(2N+2937-B_{\bar{N}}(2N+2936)) + B_{\bar{N}}(2N+2937-B_{\bar{N}}(2N+2935)) + B_{\bar{N}}(2N+2937-B_{\bar{N}}(2N+2934))$$

$$= B_{\bar{N}}(2N+2937-(2N+105)) + B_{\bar{N}}(2N+2937-(N+3156)) + B_{\bar{N}}(2N+2937-(2N+2395))$$

$$= B_{\bar{N}}(2832) + B_{\bar{N}}(N-219) + B_{\bar{N}}(542) = 2832 + (N-219) + 542 = N + 3155$$

$$(N \ge 2832)$$

$$B_{\bar{N}}(2N+2938) = B_{\bar{N}}(2N+2938-B_{\bar{N}}(2N+2937)) + B_{\bar{N}}(2N+2938-B_{\bar{N}}(2N+2936)) + B_{\bar{N}}(2N+2938-B_{\bar{N}}(2N+2935))$$

$$= B_{\bar{N}}(2N+2938-(N+3155)) + B_{\bar{N}}(2N+2938-(2N+105)) + B_{\bar{N}}(2N+2938-(N+3156))$$

$$= B_{\bar{N}}(N-217) + B_{\bar{N}}(2833) + B_{\bar{N}}(N-218) = (N-217) + 2833 + (N-218) = 2N + 2398$$

$$(N \ge 2833)$$

$$B_{\bar{N}}(2N+2939) = B_{\bar{N}}(2N+2939 - B_{\bar{N}}(2N+2938)) + B_{\bar{N}}(2N+2939 - B_{\bar{N}}(2N+2937)) + B_{\bar{N}}(2N+2939 - B_{\bar{N}}(2N+2936))$$

$$= B_{\bar{N}}(2N+2939 - (2N+2398)) + B_{\bar{N}}(2N+2939 - (N+3155)) + B_{\bar{N}}(2N+2939 - (2N+105))$$

$$= B_{\bar{N}}(541) + B_{\bar{N}}(N-216) + B_{\bar{N}}(2834) = 541 + (N-216) + 2834 = N + 3159$$

$$(N \ge 2834)$$

$$B_{\bar{N}}(2N+2940) = B_{\bar{N}}(2N+2940 - B_{\bar{N}}(2N+2939)) + B_{\bar{N}}(2N+2940 - B_{\bar{N}}(2N+2938)) + B_{\bar{N}}(2N+2940 - B_{\bar{N}}(2N+2937))$$

$$= B_{\bar{N}}(2N+2940 - (N+3159)) + B_{\bar{N}}(2N+2940 - (2N+2398)) + B_{\bar{N}}(2N+2940 - (N+3155))$$

$$= B_{\bar{N}}(N-219) + B_{\bar{N}}(542) + B_{\bar{N}}(N-215) = (N-219) + 542 + (N-215) = 2N + 108$$

$$(N \ge 542)$$

$$B_{\bar{N}}(2N+2941) = B_{\bar{N}}(2N+2941 - B_{\bar{N}}(2N+2940)) + B_{\bar{N}}(2N+2941 - B_{\bar{N}}(2N+2939)) + B_{\bar{N}}(2N+2941 - B_{\bar{N}}(2N+2938))$$

$$= B_{\bar{N}}(2N+2941 - (2N+108)) + B_{\bar{N}}(2N+2941 - (N+3159)) + B_{\bar{N}}(2N+2941 - (2N+2398))$$

$$= B_{\bar{N}}(2833) + B_{\bar{N}}(N-218) + B_{\bar{N}}(543) = 2833 + (N-218) + 543 = N + 3158$$

$$(N \ge 2833)$$

$$B_{\bar{N}}(2N+2942) = B_{\bar{N}}(2N+2942-B_{\bar{N}}(2N+2941)) + B_{\bar{N}}(2N+2942-B_{\bar{N}}(2N+2940)) + B_{\bar{N}}(2N+2942-B_{\bar{N}}(2N+2939))$$

$$= B_{\bar{N}}(2N+2942-(N+3158)) + B_{\bar{N}}(2N+2942-(2N+108)) + B_{\bar{N}}(2N+2942-(N+3159))$$

$$= B_{\bar{N}}(N-216) + B_{\bar{N}}(2834) + B_{\bar{N}}(N-217) = (N-216) + 2834 + (N-217) = 2N + 2401$$

$$(N \ge 2834)$$

$$B_{\bar{N}}(2N+2943) = B_{\bar{N}}(2N+2943-B_{\bar{N}}(2N+2942)) + B_{\bar{N}}(2N+2943-B_{\bar{N}}(2N+2941)) + B_{\bar{N}}(2N+2943-B_{\bar{N}}(2N+2940))$$

$$= B_{\bar{N}}(2N+2943-(2N+2401)) + B_{\bar{N}}(2N+2943-(N+3158)) + B_{\bar{N}}(2N+2943-(2N+108))$$

$$= B_{\bar{N}}(542) + B_{\bar{N}}(N-215) + B_{\bar{N}}(2835) = 542 + (N-215) + 2835 = N + 3162$$

$$(N \ge 2835)$$

$$B_{\bar{N}}(2N+2944) = B_{\bar{N}}(2N+2944-B_{\bar{N}}(2N+2943)) + B_{\bar{N}}(2N+2944-B_{\bar{N}}(2N+2942)) + B_{\bar{N}}(2N+2944-B_{\bar{N}}(2N+2941))$$

$$= B_{\bar{N}}(2N+2944-(N+3162)) + B_{\bar{N}}(2N+2944-(2N+2401)) + B_{\bar{N}}(2N+2944-(N+3158))$$

$$= B_{\bar{N}}(N-218) + B_{\bar{N}}(543) + B_{\bar{N}}(N-214) = (N-218) + 543 + (N-214) = 2N + 111$$

$$(N \ge 543)$$

$$B_{\bar{N}}(2N+2945) = B_{\bar{N}}(2N+2945-B_{\bar{N}}(2N+2944)) + B_{\bar{N}}(2N+2945-B_{\bar{N}}(2N+2943)) + B_{\bar{N}}(2N+2945-B_{\bar{N}}(2N+2945))$$

$$= B_{\bar{N}}(2N+2945-(2N+111)) + B_{\bar{N}}(2N+2945-(N+3162)) + B_{\bar{N}}(2N+2945-(2N+2401))$$

$$= B_{\bar{N}}(2834) + B_{\bar{N}}(N-217) + B_{\bar{N}}(544) = 2834 + (N-217) + 544 = N + 3161$$

$$(N \ge 2834)$$

$$B_{\bar{N}}(2N+2946) = B_{\bar{N}}(2N+2946-B_{\bar{N}}(2N+2945)) + B_{\bar{N}}(2N+2946-B_{\bar{N}}(2N+2944)) + B_{\bar{N}}(2N+2946-B_{\bar{N}}(2N+2943))$$

$$= B_{\bar{N}}(2N+2946-(N+3161)) + B_{\bar{N}}(2N+2946-(2N+111)) + B_{\bar{N}}(2N+2946-(N+3162))$$

$$= B_{\bar{N}}(N-215) + B_{\bar{N}}(2835) + B_{\bar{N}}(N-216) = (N-215) + 2835 + (N-216) = 2N + 2404$$

$$(N \ge 2835)$$

$$B_{\bar{N}}(2N+2947) = B_{\bar{N}}(2N+2947-B_{\bar{N}}(2N+2946)) + B_{\bar{N}}(2N+2947-B_{\bar{N}}(2N+2945)) + B_{\bar{N}}(2N+2947-B_{\bar{N}}(2N+2944))$$

$$= B_{\bar{N}}(2N+2947-(2N+2404)) + B_{\bar{N}}(2N+2947-(N+3161)) + B_{\bar{N}}(2N+2947-(2N+111))$$

$$= B_{\bar{N}}(543) + B_{\bar{N}}(N-214) + B_{\bar{N}}(2836) = 543 + (N-214) + 2836 = N + 3165$$

$$(N \ge 2836)$$

$$B_{\bar{N}}(2N+2948) = B_{\bar{N}}(2N+2948-B_{\bar{N}}(2N+2947)) + B_{\bar{N}}(2N+2948-B_{\bar{N}}(2N+2946)) + B_{\bar{N}}(2N+2948-B_{\bar{N}}(2N+2945))$$

$$= B_{\bar{N}}(2N+2948-(N+3165)) + B_{\bar{N}}(2N+2948-(2N+2404)) + B_{\bar{N}}(2N+2948-(N+3161))$$

$$= B_{\bar{N}}(N-217) + B_{\bar{N}}(544) + B_{\bar{N}}(N-213) = (N-217) + 544 + (N-213) = 2N + 114$$

$$(N \ge 544)$$

$$B_{\bar{N}}(2N+2949) = B_{\bar{N}}(2N+2949 - B_{\bar{N}}(2N+2948)) + B_{\bar{N}}(2N+2949 - B_{\bar{N}}(2N+2947)) + B_{\bar{N}}(2N+2949 - B_{\bar{N}}(2N+2946))$$

$$= B_{\bar{N}}(2N+2949 - (2N+114)) + B_{\bar{N}}(2N+2949 - (N+3165)) + B_{\bar{N}}(2N+2949 - (2N+2404))$$

$$= B_{\bar{N}}(2835) + B_{\bar{N}}(N-216) + B_{\bar{N}}(545) = 2835 + (N-216) + 545 = N + 3164$$

$$(N \ge 2835)$$

$$B_{\bar{N}}(2N+2950) = B_{\bar{N}}(2N+2950-B_{\bar{N}}(2N+2949)) + B_{\bar{N}}(2N+2950-B_{\bar{N}}(2N+2948)) + B_{\bar{N}}(2N+2950-B_{\bar{N}}(2N+2947))$$

$$= B_{\bar{N}}(2N+2950-(N+3164)) + B_{\bar{N}}(2N+2950-(2N+114)) + B_{\bar{N}}(2N+2950-(N+3165))$$

$$= B_{\bar{N}}(N-214) + B_{\bar{N}}(2836) + B_{\bar{N}}(N-215) = (N-214) + 2836 + (N-215) = 2N + 2407$$

$$(N \ge 2836)$$

$$B_{\bar{N}}(2N+2951) = B_{\bar{N}}(2N+2951-B_{\bar{N}}(2N+2950)) + B_{\bar{N}}(2N+2951-B_{\bar{N}}(2N+2949)) + B_{\bar{N}}(2N+2951-B_{\bar{N}}(2N+2948))$$

$$= B_{\bar{N}}(2N+2951-(2N+2407)) + B_{\bar{N}}(2N+2951-(N+3164)) + B_{\bar{N}}(2N+2951-(2N+114))$$

$$= B_{\bar{N}}(544) + B_{\bar{N}}(N-213) + B_{\bar{N}}(2837) = 544 + (N-213) + 2837 = N + 3168$$

$$(N \ge 2837)$$

$$B_{\bar{N}}(2N+2952) = B_{\bar{N}}(2N+2952-B_{\bar{N}}(2N+2951)) + B_{\bar{N}}(2N+2952-B_{\bar{N}}(2N+2950)) + B_{\bar{N}}(2N+2952-B_{\bar{N}}(2N+2949))$$

$$= B_{\bar{N}}(2N+2952-(N+3168)) + B_{\bar{N}}(2N+2952-(2N+2407)) + B_{\bar{N}}(2N+2952-(N+3164))$$

$$= B_{\bar{N}}(N-216) + B_{\bar{N}}(545) + B_{\bar{N}}(N-212) = (N-216) + 545 + (N-212) = 2N + 117$$

$$(N \ge 545)$$

$$B_{\bar{N}}(2N+2953) = B_{\bar{N}}(2N+2953-B_{\bar{N}}(2N+2952)) + B_{\bar{N}}(2N+2953-B_{\bar{N}}(2N+2951)) + B_{\bar{N}}(2N+2953-B_{\bar{N}}(2N+2950))$$

$$= B_{\bar{N}}(2N+2953-(2N+117)) + B_{\bar{N}}(2N+2953-(N+3168)) + B_{\bar{N}}(2N+2953-(2N+2407))$$

$$= B_{\bar{N}}(2836) + B_{\bar{N}}(N-215) + B_{\bar{N}}(546) = 2836 + (N-215) + 546 = N + 3167$$

$$(N \ge 2836)$$

$$B_{\bar{N}}(2N+2954) = B_{\bar{N}}(2N+2954-B_{\bar{N}}(2N+2953)) + B_{\bar{N}}(2N+2954-B_{\bar{N}}(2N+2952)) + B_{\bar{N}}(2N+2954-B_{\bar{N}}(2N+2951))$$

$$= B_{\bar{N}}(2N+2954-(N+3167)) + B_{\bar{N}}(2N+2954-(2N+117)) + B_{\bar{N}}(2N+2954-(N+3168))$$

$$= B_{\bar{N}}(N-213) + B_{\bar{N}}(2837) + B_{\bar{N}}(N-214) = (N-213) + 2837 + (N-214) = 2N + 2410$$

$$(N \ge 2837)$$

$$B_{\bar{N}}(2N+2955) = B_{\bar{N}}(2N+2955-B_{\bar{N}}(2N+2954)) + B_{\bar{N}}(2N+2955-B_{\bar{N}}(2N+2953)) + B_{\bar{N}}(2N+2955-B_{\bar{N}}(2N+2952))$$

$$= B_{\bar{N}}(2N+2955-(2N+2410)) + B_{\bar{N}}(2N+2955-(N+3167)) + B_{\bar{N}}(2N+2955-(2N+117))$$

$$= B_{\bar{N}}(545) + B_{\bar{N}}(N-212) + B_{\bar{N}}(2838) = 545 + (N-212) + 2838 = N + 3171$$

$$(N \ge 2838)$$

$$B_{\bar{N}}(2N+2956) = B_{\bar{N}}(2N+2956-B_{\bar{N}}(2N+2955)) + B_{\bar{N}}(2N+2956-B_{\bar{N}}(2N+2954)) + B_{\bar{N}}(2N+2956-B_{\bar{N}}(2N+2953))$$

$$= B_{\bar{N}}(2N+2956-(N+3171)) + B_{\bar{N}}(2N+2956-(2N+2410)) + B_{\bar{N}}(2N+2956-(N+3167))$$

$$= B_{\bar{N}}(N-215) + B_{\bar{N}}(546) + B_{\bar{N}}(N-211) = (N-215) + 546 + (N-211) = 2N + 120$$

$$(N \ge 546)$$

$$B_{\bar{N}}(2N+2957) = B_{\bar{N}}(2N+2957-B_{\bar{N}}(2N+2956)) + B_{\bar{N}}(2N+2957-B_{\bar{N}}(2N+2955)) + B_{\bar{N}}(2N+2957-B_{\bar{N}}(2N+2954))$$

$$= B_{\bar{N}}(2N+2957-(2N+120)) + B_{\bar{N}}(2N+2957-(N+3171)) + B_{\bar{N}}(2N+2957-(2N+2410))$$

$$= B_{\bar{N}}(2837) + B_{\bar{N}}(N-214) + B_{\bar{N}}(547) = 2837 + (N-214) + 547 = N + 3170$$

$$(N \ge 2837)$$

$$B_{\bar{N}}(2N+2958) = B_{\bar{N}}(2N+2958-B_{\bar{N}}(2N+2957)) + B_{\bar{N}}(2N+2958-B_{\bar{N}}(2N+2956)) + B_{\bar{N}}(2N+2958-B_{\bar{N}}(2N+2955))$$

$$= B_{\bar{N}}(2N+2958-(N+3170)) + B_{\bar{N}}(2N+2958-(2N+120)) + B_{\bar{N}}(2N+2958-(N+3171))$$

$$= B_{\bar{N}}(N-212) + B_{\bar{N}}(2838) + B_{\bar{N}}(N-213) = (N-212) + 2838 + (N-213) = 2N + 2413$$

$$(N \ge 2838)$$

$$B_{\bar{N}}(2N+2959) = B_{\bar{N}}(2N+2959 - B_{\bar{N}}(2N+2958)) + B_{\bar{N}}(2N+2959 - B_{\bar{N}}(2N+2957)) + B_{\bar{N}}(2N+2959 - B_{\bar{N}}(2N+2956))$$

$$= B_{\bar{N}}(2N+2959 - (2N+2413)) + B_{\bar{N}}(2N+2959 - (N+3170)) + B_{\bar{N}}(2N+2959 - (2N+120))$$

$$= B_{\bar{N}}(546) + B_{\bar{N}}(N-211) + B_{\bar{N}}(2839) = 546 + (N-211) + 2839 = N + 3174$$

$$(N \ge 2839)$$

$$B_{\bar{N}}(2N+2960) = B_{\bar{N}}(2N+2960-B_{\bar{N}}(2N+2959)) + B_{\bar{N}}(2N+2960-B_{\bar{N}}(2N+2958)) + B_{\bar{N}}(2N+2960-B_{\bar{N}}(2N+2957))$$

$$= B_{\bar{N}}(2N+2960-(N+3174)) + B_{\bar{N}}(2N+2960-(2N+2413)) + B_{\bar{N}}(2N+2960-(N+3170))$$

$$= B_{\bar{N}}(N-214) + B_{\bar{N}}(547) + B_{\bar{N}}(N-210) = (N-214) + 547 + (N-210) = 2N + 123$$

$$(N \ge 547)$$

$$B_{\bar{N}}(2N+2961) = B_{\bar{N}}(2N+2961-B_{\bar{N}}(2N+2960)) + B_{\bar{N}}(2N+2961-B_{\bar{N}}(2N+2959)) + B_{\bar{N}}(2N+2961-B_{\bar{N}}(2N+2958))$$

$$= B_{\bar{N}}(2N+2961-(2N+123)) + B_{\bar{N}}(2N+2961-(N+3174)) + B_{\bar{N}}(2N+2961-(2N+2413))$$

$$= B_{\bar{N}}(2838) + B_{\bar{N}}(N-213) + B_{\bar{N}}(548) = 2838 + (N-213) + 548 = N + 3173$$

$$(N \ge 2838)$$

$$B_{\bar{N}}(2N+2962) = B_{\bar{N}}(2N+2962-B_{\bar{N}}(2N+2961)) + B_{\bar{N}}(2N+2962-B_{\bar{N}}(2N+2960)) + B_{\bar{N}}(2N+2962-B_{\bar{N}}(2N+2959))$$

$$= B_{\bar{N}}(2N+2962-(N+3173)) + B_{\bar{N}}(2N+2962-(2N+123)) + B_{\bar{N}}(2N+2962-(N+3174))$$

$$= B_{\bar{N}}(N-211) + B_{\bar{N}}(2839) + B_{\bar{N}}(N-212) = (N-211) + 2839 + (N-212) = 2N + 2416$$

$$(N \ge 2839)$$

$$B_{\bar{N}}(2N+2963) = B_{\bar{N}}(2N+2963-B_{\bar{N}}(2N+2962)) + B_{\bar{N}}(2N+2963-B_{\bar{N}}(2N+2961)) + B_{\bar{N}}(2N+2963-B_{\bar{N}}(2N+2960))$$

$$= B_{\bar{N}}(2N+2963-(2N+2416)) + B_{\bar{N}}(2N+2963-(N+3173)) + B_{\bar{N}}(2N+2963-(2N+123))$$

$$= B_{\bar{N}}(547) + B_{\bar{N}}(N-210) + B_{\bar{N}}(2840) = 547 + (N-210) + 2840 = N + 3177$$

$$(N \ge 2840)$$

$$B_{\bar{N}}(2N+2964) = B_{\bar{N}}(2N+2964-B_{\bar{N}}(2N+2963)) + B_{\bar{N}}(2N+2964-B_{\bar{N}}(2N+2962)) + B_{\bar{N}}(2N+2964-B_{\bar{N}}(2N+2961))$$

$$= B_{\bar{N}}(2N+2964-(N+3177)) + B_{\bar{N}}(2N+2964-(2N+2416)) + B_{\bar{N}}(2N+2964-(N+3173))$$

$$= B_{\bar{N}}(N-213) + B_{\bar{N}}(548) + B_{\bar{N}}(N-209) = (N-213) + 548 + (N-209) = 2N + 126$$

$$(N \ge 548)$$

$$B_{\bar{N}}(2N+2965) = B_{\bar{N}}(2N+2965-B_{\bar{N}}(2N+2964)) + B_{\bar{N}}(2N+2965-B_{\bar{N}}(2N+2963)) + B_{\bar{N}}(2N+2965-B_{\bar{N}}(2N+2962))$$

$$= B_{\bar{N}}(2N+2965-(2N+126)) + B_{\bar{N}}(2N+2965-(N+3177)) + B_{\bar{N}}(2N+2965-(2N+2416))$$

$$= B_{\bar{N}}(2839) + B_{\bar{N}}(N-212) + B_{\bar{N}}(549) = 2839 + (N-212) + 549 = N + 3176$$

$$(N \ge 2839)$$

$$B_{\bar{N}}(2N+2966) = B_{\bar{N}}(2N+2966-B_{\bar{N}}(2N+2965)) + B_{\bar{N}}(2N+2966-B_{\bar{N}}(2N+2964)) + B_{\bar{N}}(2N+2966-B_{\bar{N}}(2N+2963))$$

$$= B_{\bar{N}}(2N+2966-(N+3176)) + B_{\bar{N}}(2N+2966-(2N+126)) + B_{\bar{N}}(2N+2966-(N+3177))$$

$$= B_{\bar{N}}(N-210) + B_{\bar{N}}(2840) + B_{\bar{N}}(N-211) = (N-210) + 2840 + (N-211) = 2N + 2419$$

$$(N \ge 2840)$$

$$B_{\bar{N}}(2N+2967) = B_{\bar{N}}(2N+2967 - B_{\bar{N}}(2N+2966)) + B_{\bar{N}}(2N+2967 - B_{\bar{N}}(2N+2965)) + B_{\bar{N}}(2N+2967 - B_{\bar{N}}(2N+2964))$$

$$= B_{\bar{N}}(2N+2967 - (2N+2419)) + B_{\bar{N}}(2N+2967 - (N+3176)) + B_{\bar{N}}(2N+2967 - (2N+126))$$

$$= B_{\bar{N}}(548) + B_{\bar{N}}(N-209) + B_{\bar{N}}(2841) = 548 + (N-209) + 2841 = N + 3180$$

$$(N \ge 2841)$$

$$B_{\bar{N}}(2N+2968) = B_{\bar{N}}(2N+2968-B_{\bar{N}}(2N+2967)) + B_{\bar{N}}(2N+2968-B_{\bar{N}}(2N+2966)) + B_{\bar{N}}(2N+2968-B_{\bar{N}}(2N+2965))$$

$$= B_{\bar{N}}(2N+2968-(N+3180)) + B_{\bar{N}}(2N+2968-(2N+2419)) + B_{\bar{N}}(2N+2968-(N+3176))$$

$$= B_{\bar{N}}(N-212) + B_{\bar{N}}(549) + B_{\bar{N}}(N-208) = (N-212) + 549 + (N-208) = 2N + 129$$

$$(N \ge 549)$$

$$B_{\bar{N}}(2N+2969) = B_{\bar{N}}(2N+2969 - B_{\bar{N}}(2N+2968)) + B_{\bar{N}}(2N+2969 - B_{\bar{N}}(2N+2967)) + B_{\bar{N}}(2N+2969 - B_{\bar{N}}(2N+2969))$$

$$= B_{\bar{N}}(2N+2969 - (2N+129)) + B_{\bar{N}}(2N+2969 - (N+3180)) + B_{\bar{N}}(2N+2969 - (2N+2419))$$

$$= B_{\bar{N}}(2840) + B_{\bar{N}}(N-211) + B_{\bar{N}}(550) = 2840 + (N-211) + 550 = N + 3179$$

$$(N \ge 2840)$$

$$B_{\bar{N}}(2N+2970) = B_{\bar{N}}(2N+2970 - B_{\bar{N}}(2N+2969)) + B_{\bar{N}}(2N+2970 - B_{\bar{N}}(2N+2968)) + B_{\bar{N}}(2N+2970 - B_{\bar{N}}(2N+2967))$$

$$= B_{\bar{N}}(2N+2970 - (N+3179)) + B_{\bar{N}}(2N+2970 - (2N+129)) + B_{\bar{N}}(2N+2970 - (N+3180))$$

$$= B_{\bar{N}}(N-209) + B_{\bar{N}}(2841) + B_{\bar{N}}(N-210) = (N-209) + 2841 + (N-210) = 2N + 2422$$

$$(N \ge 2841)$$

$$B_{\bar{N}}(2N+2971) = B_{\bar{N}}(2N+2971 - B_{\bar{N}}(2N+2970)) + B_{\bar{N}}(2N+2971 - B_{\bar{N}}(2N+2969)) + B_{\bar{N}}(2N+2971 - B_{\bar{N}}(2N+2968))$$

$$= B_{\bar{N}}(2N+2971 - (2N+2422)) + B_{\bar{N}}(2N+2971 - (N+3179)) + B_{\bar{N}}(2N+2971 - (2N+129))$$

$$= B_{\bar{N}}(549) + B_{\bar{N}}(N-208) + B_{\bar{N}}(2842) = 549 + (N-208) + 2842 = N + 3183$$

$$(N \ge 2842)$$

$$B_{\bar{N}}(2N+2972) = B_{\bar{N}}(2N+2972-B_{\bar{N}}(2N+2971)) + B_{\bar{N}}(2N+2972-B_{\bar{N}}(2N+2970)) + B_{\bar{N}}(2N+2972-B_{\bar{N}}(2N+2969))$$

$$= B_{\bar{N}}(2N+2972-(N+3183)) + B_{\bar{N}}(2N+2972-(2N+2422)) + B_{\bar{N}}(2N+2972-(N+3179))$$

$$= B_{\bar{N}}(N-211) + B_{\bar{N}}(550) + B_{\bar{N}}(N-207) = (N-211) + 550 + (N-207) = 2N + 132$$

$$(N \ge 550)$$

$$B_{\bar{N}}(2N+2973) = B_{\bar{N}}(2N+2973-B_{\bar{N}}(2N+2972)) + B_{\bar{N}}(2N+2973-B_{\bar{N}}(2N+2971)) + B_{\bar{N}}(2N+2973-B_{\bar{N}}(2N+2970))$$

$$= B_{\bar{N}}(2N+2973-(2N+132)) + B_{\bar{N}}(2N+2973-(N+3183)) + B_{\bar{N}}(2N+2973-(2N+2422))$$

$$= B_{\bar{N}}(2841) + B_{\bar{N}}(N-210) + B_{\bar{N}}(551) = 2841 + (N-210) + 551 = N + 3182$$

$$(N \ge 2841)$$

$$B_{\bar{N}}(2N+2974) = B_{\bar{N}}(2N+2974-B_{\bar{N}}(2N+2973)) + B_{\bar{N}}(2N+2974-B_{\bar{N}}(2N+2972)) + B_{\bar{N}}(2N+2974-B_{\bar{N}}(2N+2971))$$

$$= B_{\bar{N}}(2N+2974-(N+3182)) + B_{\bar{N}}(2N+2974-(2N+132)) + B_{\bar{N}}(2N+2974-(N+3183))$$

$$= B_{\bar{N}}(N-208) + B_{\bar{N}}(2842) + B_{\bar{N}}(N-209) = (N-208) + 2842 + (N-209) = 2N + 2425$$

$$(N \ge 2842)$$

$$\begin{split} B_{\bar{N}}(2N+2975) &= B_{\bar{N}}(2N+2975-B_{\bar{N}}(2N+2974)) + B_{\bar{N}}(2N+2975-B_{\bar{N}}(2N+2973)) + B_{\bar{N}}(2N+2975-B_{\bar{N}}(2N+2972)) \\ &= B_{\bar{N}}(2N+2975-(2N+2425)) + B_{\bar{N}}(2N+2975-(N+3182)) + B_{\bar{N}}(2N+2975-(2N+132)) \\ &= B_{\bar{N}}(550) + B_{\bar{N}}(N-207) + B_{\bar{N}}(2843) = 550 + (N-207) + 2843 = N + 3186 \\ &(N \geq 2843) \end{split}$$

$$B_{\bar{N}}(2N+2976) = B_{\bar{N}}(2N+2976-B_{\bar{N}}(2N+2975)) + B_{\bar{N}}(2N+2976-B_{\bar{N}}(2N+2974)) + B_{\bar{N}}(2N+2976-B_{\bar{N}}(2N+2973))$$

$$= B_{\bar{N}}(2N+2976-(N+3186)) + B_{\bar{N}}(2N+2976-(2N+2425)) + B_{\bar{N}}(2N+2976-(N+3182))$$

$$= B_{\bar{N}}(N-210) + B_{\bar{N}}(551) + B_{\bar{N}}(N-206) = (N-210) + 551 + (N-206) = 2N + 135$$

$$(N \ge 551)$$

$$B_{\bar{N}}(2N+2977) = B_{\bar{N}}(2N+2977 - B_{\bar{N}}(2N+2976)) + B_{\bar{N}}(2N+2977 - B_{\bar{N}}(2N+2975)) + B_{\bar{N}}(2N+2977 - B_{\bar{N}}(2N+2974))$$

$$= B_{\bar{N}}(2N+2977 - (2N+135)) + B_{\bar{N}}(2N+2977 - (N+3186)) + B_{\bar{N}}(2N+2977 - (2N+2425))$$

$$= B_{\bar{N}}(2842) + B_{\bar{N}}(N-209) + B_{\bar{N}}(552) = 2842 + (N-209) + 552 = N + 3185$$

$$(N \ge 2842)$$

$$B_{\bar{N}}(2N+2978) = B_{\bar{N}}(2N+2978-B_{\bar{N}}(2N+2977)) + B_{\bar{N}}(2N+2978-B_{\bar{N}}(2N+2976)) + B_{\bar{N}}(2N+2978-B_{\bar{N}}(2N+2975))$$

$$= B_{\bar{N}}(2N+2978-(N+3185)) + B_{\bar{N}}(2N+2978-(2N+135)) + B_{\bar{N}}(2N+2978-(N+3186))$$

$$= B_{\bar{N}}(N-207) + B_{\bar{N}}(2843) + B_{\bar{N}}(N-208) = (N-207) + 2843 + (N-208) = 2N + 2428$$

$$(N \ge 2843)$$

$$B_{\bar{N}}(2N+2979) = B_{\bar{N}}(2N+2979 - B_{\bar{N}}(2N+2978)) + B_{\bar{N}}(2N+2979 - B_{\bar{N}}(2N+2977)) + B_{\bar{N}}(2N+2979 - B_{\bar{N}}(2N+2976))$$

$$= B_{\bar{N}}(2N+2979 - (2N+2428)) + B_{\bar{N}}(2N+2979 - (N+3185)) + B_{\bar{N}}(2N+2979 - (2N+135))$$

$$= B_{\bar{N}}(551) + B_{\bar{N}}(N-206) + B_{\bar{N}}(2844) = 551 + (N-206) + 2844 = N + 3189$$

$$(N \ge 2844)$$

$$B_{\bar{N}}(2N+2980) = B_{\bar{N}}(2N+2980 - B_{\bar{N}}(2N+2979)) + B_{\bar{N}}(2N+2980 - B_{\bar{N}}(2N+2978)) + B_{\bar{N}}(2N+2980 - B_{\bar{N}}(2N+2977))$$

$$= B_{\bar{N}}(2N+2980 - (N+3189)) + B_{\bar{N}}(2N+2980 - (2N+2428)) + B_{\bar{N}}(2N+2980 - (N+3185))$$

$$= B_{\bar{N}}(N-209) + B_{\bar{N}}(552) + B_{\bar{N}}(N-205) = (N-209) + 552 + (N-205) = 2N + 138$$

$$(N \ge 552)$$

$$B_{\bar{N}}(2N+2981) = B_{\bar{N}}(2N+2981-B_{\bar{N}}(2N+2980)) + B_{\bar{N}}(2N+2981-B_{\bar{N}}(2N+2979)) + B_{\bar{N}}(2N+2981-B_{\bar{N}}(2N+2978))$$

$$= B_{\bar{N}}(2N+2981-(2N+138)) + B_{\bar{N}}(2N+2981-(N+3189)) + B_{\bar{N}}(2N+2981-(2N+2428))$$

$$= B_{\bar{N}}(2843) + B_{\bar{N}}(N-208) + B_{\bar{N}}(553) = 2843 + (N-208) + 553 = N + 3188$$

$$(N \ge 2843)$$

$$B_{\bar{N}}(2N+2982) = B_{\bar{N}}(2N+2982-B_{\bar{N}}(2N+2981)) + B_{\bar{N}}(2N+2982-B_{\bar{N}}(2N+2980)) + B_{\bar{N}}(2N+2982-B_{\bar{N}}(2N+2979))$$

$$= B_{\bar{N}}(2N+2982-(N+3188)) + B_{\bar{N}}(2N+2982-(2N+138)) + B_{\bar{N}}(2N+2982-(N+3189))$$

$$= B_{\bar{N}}(N-206) + B_{\bar{N}}(2844) + B_{\bar{N}}(N-207) = (N-206) + 2844 + (N-207) = 2N + 2431$$

$$(N \ge 2844)$$

$$B_{\bar{N}}(2N+2983) = B_{\bar{N}}(2N+2983-B_{\bar{N}}(2N+2982)) + B_{\bar{N}}(2N+2983-B_{\bar{N}}(2N+2981)) + B_{\bar{N}}(2N+2983-B_{\bar{N}}(2N+2980))$$

$$= B_{\bar{N}}(2N+2983-(2N+2431)) + B_{\bar{N}}(2N+2983-(N+3188)) + B_{\bar{N}}(2N+2983-(2N+138))$$

$$= B_{\bar{N}}(552) + B_{\bar{N}}(N-205) + B_{\bar{N}}(2845) = 552 + (N-205) + 2845 = N + 3192$$

$$(N \ge 2845)$$

$$B_{\bar{N}}(2N+2984) = B_{\bar{N}}(2N+2984-B_{\bar{N}}(2N+2983)) + B_{\bar{N}}(2N+2984-B_{\bar{N}}(2N+2982)) + B_{\bar{N}}(2N+2984-B_{\bar{N}}(2N+2981))$$

$$= B_{\bar{N}}(2N+2984-(N+3192)) + B_{\bar{N}}(2N+2984-(2N+2431)) + B_{\bar{N}}(2N+2984-(N+3188))$$

$$= B_{\bar{N}}(N-208) + B_{\bar{N}}(553) + B_{\bar{N}}(N-204) = (N-208) + 553 + (N-204) = 2N + 141$$

$$(N \ge 553)$$

$$B_{\bar{N}}(2N+2985) = B_{\bar{N}}(2N+2985-B_{\bar{N}}(2N+2984)) + B_{\bar{N}}(2N+2985-B_{\bar{N}}(2N+2983)) + B_{\bar{N}}(2N+2985-B_{\bar{N}}(2N+2982))$$

$$= B_{\bar{N}}(2N+2985-(2N+141)) + B_{\bar{N}}(2N+2985-(N+3192)) + B_{\bar{N}}(2N+2985-(2N+2431))$$

$$= B_{\bar{N}}(2844) + B_{\bar{N}}(N-207) + B_{\bar{N}}(554) = 2844 + (N-207) + 554 = N + 3191$$

$$(N \ge 2844)$$

$$B_{\bar{N}}(2N+2986) = B_{\bar{N}}(2N+2986-B_{\bar{N}}(2N+2985)) + B_{\bar{N}}(2N+2986-B_{\bar{N}}(2N+2984)) + B_{\bar{N}}(2N+2986-B_{\bar{N}}(2N+2986))$$

$$= B_{\bar{N}}(2N+2986-(N+3191)) + B_{\bar{N}}(2N+2986-(2N+141)) + B_{\bar{N}}(2N+2986-(N+3192))$$

$$= B_{\bar{N}}(N-205) + B_{\bar{N}}(2845) + B_{\bar{N}}(N-206) = (N-205) + 2845 + (N-206) = 2N + 2434$$

$$(N > 2845)$$

$$B_{\bar{N}}(2N+2987) = B_{\bar{N}}(2N+2987-B_{\bar{N}}(2N+2986)) + B_{\bar{N}}(2N+2987-B_{\bar{N}}(2N+2985)) + B_{\bar{N}}(2N+2987-B_{\bar{N}}(2N+2984))$$

$$= B_{\bar{N}}(2N+2987-(2N+2434)) + B_{\bar{N}}(2N+2987-(N+3191)) + B_{\bar{N}}(2N+2987-(2N+141))$$

$$= B_{\bar{N}}(553) + B_{\bar{N}}(N-204) + B_{\bar{N}}(2846) = 553 + (N-204) + 2846 = N + 3195$$

$$(N \ge 2846)$$

$$B_{\bar{N}}(2N+2988) = B_{\bar{N}}(2N+2988-B_{\bar{N}}(2N+2987)) + B_{\bar{N}}(2N+2988-B_{\bar{N}}(2N+2986)) + B_{\bar{N}}(2N+2988-B_{\bar{N}}(2N+2985))$$

$$= B_{\bar{N}}(2N+2988-(N+3195)) + B_{\bar{N}}(2N+2988-(2N+2434)) + B_{\bar{N}}(2N+2988-(N+3191))$$

$$= B_{\bar{N}}(N-207) + B_{\bar{N}}(554) + B_{\bar{N}}(N-203) = (N-207) + 554 + (N-203) = 2N + 144$$

$$(N \ge 554)$$

$$B_{\bar{N}}(2N+2989) = B_{\bar{N}}(2N+2989 - B_{\bar{N}}(2N+2988)) + B_{\bar{N}}(2N+2989 - B_{\bar{N}}(2N+2987)) + B_{\bar{N}}(2N+2989 - B_{\bar{N$$

$$B_{\bar{N}}(2N+2990) = B_{\bar{N}}(2N+2990 - B_{\bar{N}}(2N+2989)) + B_{\bar{N}}(2N+2990 - B_{\bar{N}}(2N+2988)) + B_{\bar{N}}(2N+2990 - B_{\bar{N}}(2N+2987))$$

$$= B_{\bar{N}}(2N+2990 - (N+3194)) + B_{\bar{N}}(2N+2990 - (2N+144)) + B_{\bar{N}}(2N+2990 - (N+3195))$$

$$= B_{\bar{N}}(N-204) + B_{\bar{N}}(2846) + B_{\bar{N}}(N-205) = (N-204) + 2846 + (N-205) = 2N + 2437$$

$$(N \ge 2846)$$

$$B_{\bar{N}}(2N+2991) = B_{\bar{N}}(2N+2991-B_{\bar{N}}(2N+2990)) + B_{\bar{N}}(2N+2991-B_{\bar{N}}(2N+2989)) + B_{\bar{N}}(2N+2991-B_{\bar{N}}(2N+2988))$$

$$= B_{\bar{N}}(2N+2991-(2N+2437)) + B_{\bar{N}}(2N+2991-(N+3194)) + B_{\bar{N}}(2N+2991-(2N+144))$$

$$= B_{\bar{N}}(554) + B_{\bar{N}}(N-203) + B_{\bar{N}}(2847) = 554 + (N-203) + 2847 = N + 3198$$

$$(N \ge 2847)$$

$$B_{\bar{N}}(2N+2992) = B_{\bar{N}}(2N+2992-B_{\bar{N}}(2N+2991)) + B_{\bar{N}}(2N+2992-B_{\bar{N}}(2N+2990)) + B_{\bar{N}}(2N+2992-B_{\bar{N}}(2N+2989))$$

$$= B_{\bar{N}}(2N+2992-(N+3198)) + B_{\bar{N}}(2N+2992-(2N+2437)) + B_{\bar{N}}(2N+2992-(N+3194))$$

$$= B_{\bar{N}}(N-206) + B_{\bar{N}}(555) + B_{\bar{N}}(N-202) = (N-206) + 555 + (N-202) = 2N + 147$$

$$(N \ge 555)$$

$$B_{\bar{N}}(2N+2993) = B_{\bar{N}}(2N+2993-B_{\bar{N}}(2N+2992)) + B_{\bar{N}}(2N+2993-B_{\bar{N}}(2N+2991)) + B_{\bar{N}}(2N+2993-B_{\bar{N}}(2N+2990))$$

$$= B_{\bar{N}}(2N+2993-(2N+147)) + B_{\bar{N}}(2N+2993-(N+3198)) + B_{\bar{N}}(2N+2993-(2N+2437))$$

$$= B_{\bar{N}}(2846) + B_{\bar{N}}(N-205) + B_{\bar{N}}(556) = 2846 + (N-205) + 556 = N + 3197$$

$$(N \ge 2846)$$

$$B_{\bar{N}}(2N+2994) = B_{\bar{N}}(2N+2994-B_{\bar{N}}(2N+2993)) + B_{\bar{N}}(2N+2994-B_{\bar{N}}(2N+2992)) + B_{\bar{N}}(2N+2994-B_{\bar{N}}(2N+2991))$$

$$= B_{\bar{N}}(2N+2994-(N+3197)) + B_{\bar{N}}(2N+2994-(2N+147)) + B_{\bar{N}}(2N+2994-(N+3198))$$

$$= B_{\bar{N}}(N-203) + B_{\bar{N}}(2847) + B_{\bar{N}}(N-204) = (N-203) + 2847 + (N-204) = 2N + 2440$$

$$(N \ge 2847)$$

$$\begin{split} B_{\bar{N}}(2N+2995) &= B_{\bar{N}}(2N+2995-B_{\bar{N}}(2N+2994)) + B_{\bar{N}}(2N+2995-B_{\bar{N}}(2N+2993)) + B_{\bar{N}}(2N+2995-B_{\bar{N}}(2N+2992)) \\ &= B_{\bar{N}}(2N+2995-(2N+2440)) + B_{\bar{N}}(2N+2995-(N+3197)) + B_{\bar{N}}(2N+2995-(2N+147)) \\ &= B_{\bar{N}}(555) + B_{\bar{N}}(N-202) + B_{\bar{N}}(2848) = 555 + (N-202) + 2848 = N + 3201 \\ &(N \geq 2848) \end{split}$$

$$B_{\bar{N}}(2N+2996) = B_{\bar{N}}(2N+2996-B_{\bar{N}}(2N+2995)) + B_{\bar{N}}(2N+2996-B_{\bar{N}}(2N+2994)) + B_{\bar{N}}(2N+2996-B_{\bar{N}}(2N+2993))$$

$$= B_{\bar{N}}(2N+2996-(N+3201)) + B_{\bar{N}}(2N+2996-(2N+2440)) + B_{\bar{N}}(2N+2996-(N+3197))$$

$$= B_{\bar{N}}(N-205) + B_{\bar{N}}(556) + B_{\bar{N}}(N-201) = (N-205) + 556 + (N-201) = 2N + 150$$

$$(N \ge 556)$$

$$B_{\bar{N}}(2N+2997) = B_{\bar{N}}(2N+2997 - B_{\bar{N}}(2N+2996)) + B_{\bar{N}}(2N+2997 - B_{\bar{N}}(2N+2995)) + B_{\bar{N}}(2N+2997 - B_{\bar{N}}(2N+2994))$$

$$= B_{\bar{N}}(2N+2997 - (2N+150)) + B_{\bar{N}}(2N+2997 - (N+3201)) + B_{\bar{N}}(2N+2997 - (2N+2440))$$

$$= B_{\bar{N}}(2847) + B_{\bar{N}}(N-204) + B_{\bar{N}}(557) = 2847 + (N-204) + 557 = N + 3200$$

$$(N \ge 2847)$$

$$B_{\bar{N}}(2N+2998) = B_{\bar{N}}(2N+2998-B_{\bar{N}}(2N+2997)) + B_{\bar{N}}(2N+2998-B_{\bar{N}}(2N+2996)) + B_{\bar{N}}(2N+2998-B_{\bar{N}}(2N+2995))$$

$$= B_{\bar{N}}(2N+2998-(N+3200)) + B_{\bar{N}}(2N+2998-(2N+150)) + B_{\bar{N}}(2N+2998-(N+3201))$$

$$= B_{\bar{N}}(N-202) + B_{\bar{N}}(2848) + B_{\bar{N}}(N-203) = (N-202) + 2848 + (N-203) = 2N + 2443$$

$$(N \ge 2848)$$

$$B_{\bar{N}}(2N+2999) = B_{\bar{N}}(2N+2999 - B_{\bar{N}}(2N+2998)) + B_{\bar{N}}(2N+2999 - B_{\bar{N}}(2N+2997)) + B_{\bar{N}}(2N+2999 - B_{\bar{N}}(2N+2996))$$

$$= B_{\bar{N}}(2N+2999 - (2N+2443)) + B_{\bar{N}}(2N+2999 - (N+3200)) + B_{\bar{N}}(2N+2999 - (2N+150))$$

$$= B_{\bar{N}}(556) + B_{\bar{N}}(N-201) + B_{\bar{N}}(2849) = 556 + (N-201) + 2849 = N + 3204$$

$$(N \ge 2849)$$

$$\begin{split} B_{\bar{N}}(2N+3000) &= B_{\bar{N}}(2N+3000-B_{\bar{N}}(2N+2999)) + B_{\bar{N}}(2N+3000-B_{\bar{N}}(2N+2998)) + B_{\bar{N}}(2N+3000-B_{\bar{N}}(2N+2997)) \\ &= B_{\bar{N}}(2N+3000-(N+3204)) + B_{\bar{N}}(2N+3000-(2N+2443)) + B_{\bar{N}}(2N+3000-(N+3200)) \\ &= B_{\bar{N}}(N-204) + B_{\bar{N}}(557) + B_{\bar{N}}(N-200) = (N-204) + 557 + (N-200) = 2N + 153 \\ &(N \geq 557) \end{split}$$

$$B_{\bar{N}}(2N+3001) = B_{\bar{N}}(2N+3001 - B_{\bar{N}}(2N+3000)) + B_{\bar{N}}(2N+3001 - B_{\bar{N}}(2N+2999)) + B_{\bar{N}}(2N+3001 - B_{\bar{N}}(2N+2998))$$

$$= B_{\bar{N}}(2N+3001 - (2N+153)) + B_{\bar{N}}(2N+3001 - (N+3204)) + B_{\bar{N}}(2N+3001 - (2N+2443))$$

$$= B_{\bar{N}}(2848) + B_{\bar{N}}(N-203) + B_{\bar{N}}(558) = 2848 + (N-203) + 558 = N + 3203$$

$$(N \ge 2848)$$

$$B_{\bar{N}}(2N+3002) = B_{\bar{N}}(2N+3002 - B_{\bar{N}}(2N+3001)) + B_{\bar{N}}(2N+3002 - B_{\bar{N}}(2N+3000)) + B_{\bar{N}}(2N+3002 - B_{\bar{N}}(2N+2999))$$

$$= B_{\bar{N}}(2N+3002 - (N+3203)) + B_{\bar{N}}(2N+3002 - (2N+153)) + B_{\bar{N}}(2N+3002 - (N+3204))$$

$$= B_{\bar{N}}(N-201) + B_{\bar{N}}(2849) + B_{\bar{N}}(N-202) = (N-201) + 2849 + (N-202) = 2N + 2446$$

$$(N \ge 2849)$$

$$B_{\bar{N}}(2N+3003) = B_{\bar{N}}(2N+3003 - B_{\bar{N}}(2N+3002)) + B_{\bar{N}}(2N+3003 - B_{\bar{N}}(2N+3001)) + B_{\bar{N}}(2N+3003 - B_{\bar{N}}(2N+3000))$$

$$= B_{\bar{N}}(2N+3003 - (2N+2446)) + B_{\bar{N}}(2N+3003 - (N+3203)) + B_{\bar{N}}(2N+3003 - (2N+153))$$

$$= B_{\bar{N}}(557) + B_{\bar{N}}(N-200) + B_{\bar{N}}(2850) = 557 + (N-200) + 2850 = N + 3207$$

$$(N \ge 2850)$$

$$B_{\bar{N}}(2N+3004) = B_{\bar{N}}(2N+3004-B_{\bar{N}}(2N+3003)) + B_{\bar{N}}(2N+3004-B_{\bar{N}}(2N+3002)) + B_{\bar{N}}(2N+3004-B_{\bar{N}}(2N+3001))$$

$$= B_{\bar{N}}(2N+3004-(N+3207)) + B_{\bar{N}}(2N+3004-(2N+2446)) + B_{\bar{N}}(2N+3004-(N+3203))$$

$$= B_{\bar{N}}(N-203) + B_{\bar{N}}(558) + B_{\bar{N}}(N-199) = (N-203) + 558 + (N-199) = 2N + 156$$

$$(N \ge 558)$$

$$\begin{split} B_{\bar{N}}(2N+3005) &= B_{\bar{N}}(2N+3005-B_{\bar{N}}(2N+3004)) + B_{\bar{N}}(2N+3005-B_{\bar{N}}(2N+3003)) + B_{\bar{N}}(2N+3005-B_{\bar{N}}(2N+3002)) \\ &= B_{\bar{N}}(2N+3005-(2N+156)) + B_{\bar{N}}(2N+3005-(N+3207)) + B_{\bar{N}}(2N+3005-(2N+2446)) \\ &= B_{\bar{N}}(2849) + B_{\bar{N}}(N-202) + B_{\bar{N}}(559) = 2849 + (N-202) + 559 = N + 3206 \\ &(N \geq 2849) \end{split}$$

$$B_{\bar{N}}(2N+3006) = B_{\bar{N}}(2N+3006-B_{\bar{N}}(2N+3005)) + B_{\bar{N}}(2N+3006-B_{\bar{N}}(2N+3004)) + B_{\bar{N}}(2N+3006-B_{\bar{N}}(2N+3003))$$

$$= B_{\bar{N}}(2N+3006-(N+3206)) + B_{\bar{N}}(2N+3006-(2N+156)) + B_{\bar{N}}(2N+3006-(N+3207))$$

$$= B_{\bar{N}}(N-200) + B_{\bar{N}}(2850) + B_{\bar{N}}(N-201) = (N-200) + 2850 + (N-201) = 2N + 2449$$

$$(N \ge 2850)$$

$$B_{\bar{N}}(2N+3007) = B_{\bar{N}}(2N+3007 - B_{\bar{N}}(2N+3006)) + B_{\bar{N}}(2N+3007 - B_{\bar{N}}(2N+3005)) + B_{\bar{N}}(2N+3007 - B_{\bar{N}}(2N+3004))$$

$$= B_{\bar{N}}(2N+3007 - (2N+2449)) + B_{\bar{N}}(2N+3007 - (N+3206)) + B_{\bar{N}}(2N+3007 - (2N+156))$$

$$= B_{\bar{N}}(558) + B_{\bar{N}}(N-199) + B_{\bar{N}}(2851) = 558 + (N-199) + 2851 = N + 3210$$

$$(N \ge 2851)$$

$$B_{\bar{N}}(2N+3008) = B_{\bar{N}}(2N+3008-B_{\bar{N}}(2N+3007)) + B_{\bar{N}}(2N+3008-B_{\bar{N}}(2N+3006)) + B_{\bar{N}}(2N+3008-B_{\bar{N}}(2N+3005))$$

$$= B_{\bar{N}}(2N+3008-(N+3210)) + B_{\bar{N}}(2N+3008-(2N+2449)) + B_{\bar{N}}(2N+3008-(N+3206))$$

$$= B_{\bar{N}}(N-202) + B_{\bar{N}}(559) + B_{\bar{N}}(N-198) = (N-202) + 559 + (N-198) = 2N+159$$

$$(N \ge 559)$$

$$B_{\bar{N}}(2N+3009) = B_{\bar{N}}(2N+3009 - B_{\bar{N}}(2N+3008)) + B_{\bar{N}}(2N+3009 - B_{\bar{N}}(2N+3007)) + B_{\bar{N}}(2N+3009 - B_{\bar{N}}(2N+3006))$$

$$= B_{\bar{N}}(2N+3009 - (2N+159)) + B_{\bar{N}}(2N+3009 - (N+3210)) + B_{\bar{N}}(2N+3009 - (2N+2449))$$

$$= B_{\bar{N}}(2850) + B_{\bar{N}}(N-201) + B_{\bar{N}}(560) = 2850 + (N-201) + 560 = N + 3209$$

$$(N \ge 2850)$$

$$\begin{split} B_{\bar{N}}(2N+3010) &= B_{\bar{N}}(2N+3010-B_{\bar{N}}(2N+3009)) + B_{\bar{N}}(2N+3010-B_{\bar{N}}(2N+3008)) + B_{\bar{N}}(2N+3010-B_{\bar{N}}(2N+3007)) \\ &= B_{\bar{N}}(2N+3010-(N+3209)) + B_{\bar{N}}(2N+3010-(2N+159)) + B_{\bar{N}}(2N+3010-(N+3210)) \\ &= B_{\bar{N}}(N-199) + B_{\bar{N}}(2851) + B_{\bar{N}}(N-200) = (N-199) + 2851 + (N-200) = 2N + 2452 \\ &(N \geq 2851) \end{split}$$

$$B_{\bar{N}}(2N+3011) = B_{\bar{N}}(2N+3011 - B_{\bar{N}}(2N+3010)) + B_{\bar{N}}(2N+3011 - B_{\bar{N}}(2N+3009)) + B_{\bar{N}}(2N+3011 - B_{\bar{N}}(2N+3008))$$

$$= B_{\bar{N}}(2N+3011 - (2N+2452)) + B_{\bar{N}}(2N+3011 - (N+3209)) + B_{\bar{N}}(2N+3011 - (2N+159))$$

$$= B_{\bar{N}}(559) + B_{\bar{N}}(N-198) + B_{\bar{N}}(2852) = 559 + (N-198) + 2852 = N + 3213$$

$$(N \ge 2852)$$

$$B_{\bar{N}}(2N+3012) = B_{\bar{N}}(2N+3012-B_{\bar{N}}(2N+3011)) + B_{\bar{N}}(2N+3012-B_{\bar{N}}(2N+3010)) + B_{\bar{N}}(2N+3012-B_{\bar{N}}(2N+3009))$$

$$= B_{\bar{N}}(2N+3012-(N+3213)) + B_{\bar{N}}(2N+3012-(2N+2452)) + B_{\bar{N}}(2N+3012-(N+3209))$$

$$= B_{\bar{N}}(N-201) + B_{\bar{N}}(560) + B_{\bar{N}}(N-197) = (N-201) + 560 + (N-197) = 2N + 162$$

$$(N \ge 560)$$

$$B_{\bar{N}}(2N+3013) = B_{\bar{N}}(2N+3013-B_{\bar{N}}(2N+3012)) + B_{\bar{N}}(2N+3013-B_{\bar{N}}(2N+3011)) + B_{\bar{N}}(2N+3013-B_{\bar{N}}(2N+3010))$$

$$= B_{\bar{N}}(2N+3013-(2N+162)) + B_{\bar{N}}(2N+3013-(N+3213)) + B_{\bar{N}}(2N+3013-(2N+2452))$$

$$= B_{\bar{N}}(2851) + B_{\bar{N}}(N-200) + B_{\bar{N}}(561) = 2851 + (N-200) + 561 = N + 3212$$

$$(N \ge 2851)$$

$$B_{\bar{N}}(2N+3014) = B_{\bar{N}}(2N+3014-B_{\bar{N}}(2N+3013)) + B_{\bar{N}}(2N+3014-B_{\bar{N}}(2N+3012)) + B_{\bar{N}}(2N+3014-B_{\bar{N}}(2N+3011))$$

$$= B_{\bar{N}}(2N+3014-(N+3212)) + B_{\bar{N}}(2N+3014-(2N+162)) + B_{\bar{N}}(2N+3014-(N+3213))$$

$$= B_{\bar{N}}(N-198) + B_{\bar{N}}(2852) + B_{\bar{N}}(N-199) = (N-198) + 2852 + (N-199) = 2N + 2455$$

$$(N \ge 2852)$$

$$B_{\bar{N}}(2N+3015) = B_{\bar{N}}(2N+3015 - B_{\bar{N}}(2N+3014)) + B_{\bar{N}}(2N+3015 - B_{\bar{N}}(2N+3013)) + B_{\bar{N}}(2N+3015 - B_{\bar{N}}(2N+3012))$$

$$= B_{\bar{N}}(2N+3015 - (2N+2455)) + B_{\bar{N}}(2N+3015 - (N+3212)) + B_{\bar{N}}(2N+3015 - (2N+162))$$

$$= B_{\bar{N}}(560) + B_{\bar{N}}(N-197) + B_{\bar{N}}(2853) = 560 + (N-197) + 2853 = N + 3216$$

$$(N \ge 2853)$$

$$B_{\bar{N}}(2N+3016) = B_{\bar{N}}(2N+3016-B_{\bar{N}}(2N+3015)) + B_{\bar{N}}(2N+3016-B_{\bar{N}}(2N+3014)) + B_{\bar{N}}(2N+3016-B_{\bar{N}}(2N+3013))$$

$$= B_{\bar{N}}(2N+3016-(N+3216)) + B_{\bar{N}}(2N+3016-(2N+2455)) + B_{\bar{N}}(2N+3016-(N+3212))$$

$$= B_{\bar{N}}(N-200) + B_{\bar{N}}(561) + B_{\bar{N}}(N-196) = (N-200) + 561 + (N-196) = 2N + 165$$

$$(N > 561)$$

$$B_{\bar{N}}(2N+3017) = B_{\bar{N}}(2N+3017 - B_{\bar{N}}(2N+3016)) + B_{\bar{N}}(2N+3017 - B_{\bar{N}}(2N+3015)) + B_{\bar{N}}(2N+3017 - B_{\bar{N}}(2N+3014))$$

$$= B_{\bar{N}}(2N+3017 - (2N+165)) + B_{\bar{N}}(2N+3017 - (N+3216)) + B_{\bar{N}}(2N+3017 - (2N+2455))$$

$$= B_{\bar{N}}(2852) + B_{\bar{N}}(N-199) + B_{\bar{N}}(562) = 2852 + (N-199) + 562 = N + 3215$$

$$(N \ge 2852)$$

$$B_{\bar{N}}(2N+3018) = B_{\bar{N}}(2N+3018-B_{\bar{N}}(2N+3017)) + B_{\bar{N}}(2N+3018-B_{\bar{N}}(2N+3016)) + B_{\bar{N}}(2N+3018-B_{\bar{N}}(2N+3015))$$

$$= B_{\bar{N}}(2N+3018-(N+3215)) + B_{\bar{N}}(2N+3018-(2N+165)) + B_{\bar{N}}(2N+3018-(N+3216))$$

$$= B_{\bar{N}}(N-197) + B_{\bar{N}}(2853) + B_{\bar{N}}(N-198) = (N-197) + 2853 + (N-198) = 2N + 2458$$

$$(N \ge 2853)$$

$$B_{\bar{N}}(2N+3019) = B_{\bar{N}}(2N+3019 - B_{\bar{N}}(2N+3018)) + B_{\bar{N}}(2N+3019 - B_{\bar{N}}(2N+3017)) + B_{\bar{N}}(2N+3019 - B_{\bar{N}}(2N+3016))$$

$$= B_{\bar{N}}(2N+3019 - (2N+2458)) + B_{\bar{N}}(2N+3019 - (N+3215)) + B_{\bar{N}}(2N+3019 - (2N+165))$$

$$= B_{\bar{N}}(561) + B_{\bar{N}}(N-196) + B_{\bar{N}}(2854) = 561 + (N-196) + 2854 = N + 3219$$

$$(N \ge 2854)$$

$$B_{\bar{N}}(2N+3020) = B_{\bar{N}}(2N+3020 - B_{\bar{N}}(2N+3019)) + B_{\bar{N}}(2N+3020 - B_{\bar{N}}(2N+3018)) + B_{\bar{N}}(2N+3020 - B_{\bar{N}}(2N+3017))$$

$$= B_{\bar{N}}(2N+3020 - (N+3219)) + B_{\bar{N}}(2N+3020 - (2N+2458)) + B_{\bar{N}}(2N+3020 - (N+3215))$$

$$= B_{\bar{N}}(N-199) + B_{\bar{N}}(562) + B_{\bar{N}}(N-195) = (N-199) + 562 + (N-195) = 2N + 168$$

$$(N \ge 562)$$

$$B_{\bar{N}}(2N+3021) = B_{\bar{N}}(2N+3021-B_{\bar{N}}(2N+3020)) + B_{\bar{N}}(2N+3021-B_{\bar{N}}(2N+3019)) + B_{\bar{N}}(2N+3021-B_{\bar{N}}(2N+3018))$$

$$= B_{\bar{N}}(2N+3021-(2N+168)) + B_{\bar{N}}(2N+3021-(N+3219)) + B_{\bar{N}}(2N+3021-(2N+2458))$$

$$= B_{\bar{N}}(2853) + B_{\bar{N}}(N-198) + B_{\bar{N}}(563) = 2853 + (N-198) + 563 = N + 3218$$

$$(N \ge 2853)$$

$$B_{\bar{N}}(2N+3022) = B_{\bar{N}}(2N+3022-B_{\bar{N}}(2N+3021)) + B_{\bar{N}}(2N+3022-B_{\bar{N}}(2N+3020)) + B_{\bar{N}}(2N+3022-B_{\bar{N}}(2N+3019))$$

$$= B_{\bar{N}}(2N+3022-(N+3218)) + B_{\bar{N}}(2N+3022-(2N+168)) + B_{\bar{N}}(2N+3022-(N+3219))$$

$$= B_{\bar{N}}(N-196) + B_{\bar{N}}(2854) + B_{\bar{N}}(N-197) = (N-196) + 2854 + (N-197) = 2N + 2461$$

$$(N \ge 2854)$$

$$\begin{split} B_{\bar{N}}(2N+3023) &= B_{\bar{N}}(2N+3023-B_{\bar{N}}(2N+3022)) + B_{\bar{N}}(2N+3023-B_{\bar{N}}(2N+3021)) + B_{\bar{N}}(2N+3023-B_{\bar{N}}(2N+3020)) \\ &= B_{\bar{N}}(2N+3023-(2N+2461)) + B_{\bar{N}}(2N+3023-(N+3218)) + B_{\bar{N}}(2N+3023-(2N+168)) \\ &= B_{\bar{N}}(562) + B_{\bar{N}}(N-195) + B_{\bar{N}}(2855) = 562 + (N-195) + 2855 = N + 3222 \\ &(N \geq 2855) \end{split}$$

$$B_{\bar{N}}(2N+3024) = B_{\bar{N}}(2N+3024-B_{\bar{N}}(2N+3023)) + B_{\bar{N}}(2N+3024-B_{\bar{N}}(2N+3022)) + B_{\bar{N}}(2N+3024-B_{\bar{N}}(2N+3021))$$

$$= B_{\bar{N}}(2N+3024-(N+3222)) + B_{\bar{N}}(2N+3024-(2N+2461)) + B_{\bar{N}}(2N+3024-(N+3218))$$

$$= B_{\bar{N}}(N-198) + B_{\bar{N}}(563) + B_{\bar{N}}(N-194) = (N-198) + 563 + (N-194) = 2N+171$$

$$(N \ge 563)$$

$$B_{\bar{N}}(2N+3025) = B_{\bar{N}}(2N+3025-B_{\bar{N}}(2N+3024)) + B_{\bar{N}}(2N+3025-B_{\bar{N}}(2N+3023)) + B_{\bar{N}}(2N+3025-B_{\bar{N}}(2N+3022))$$

$$= B_{\bar{N}}(2N+3025-(2N+171)) + B_{\bar{N}}(2N+3025-(N+3222)) + B_{\bar{N}}(2N+3025-(2N+2461))$$

$$= B_{\bar{N}}(2854) + B_{\bar{N}}(N-197) + B_{\bar{N}}(564) = 2854 + (N-197) + 564 = N + 3221$$

$$(N \ge 2854)$$

$$B_{\bar{N}}(2N+3026) = B_{\bar{N}}(2N+3026-B_{\bar{N}}(2N+3025)) + B_{\bar{N}}(2N+3026-B_{\bar{N}}(2N+3024)) + B_{\bar{N}}(2N+3026-B_{\bar{N}}(2N+3023))$$

$$= B_{\bar{N}}(2N+3026-(N+3221)) + B_{\bar{N}}(2N+3026-(2N+171)) + B_{\bar{N}}(2N+3026-(N+3222))$$

$$= B_{\bar{N}}(N-195) + B_{\bar{N}}(2855) + B_{\bar{N}}(N-196) = (N-195) + 2855 + (N-196) = 2N + 2464$$

$$(N \ge 2855)$$

$$B_{\bar{N}}(2N+3027) = B_{\bar{N}}(2N+3027 - B_{\bar{N}}(2N+3026)) + B_{\bar{N}}(2N+3027 - B_{\bar{N}}(2N+3025)) + B_{\bar{N}}(2N+3027 - B_{\bar{N}}(2N+3024))$$

$$= B_{\bar{N}}(2N+3027 - (2N+2464)) + B_{\bar{N}}(2N+3027 - (N+3221)) + B_{\bar{N}}(2N+3027 - (2N+171))$$

$$= B_{\bar{N}}(563) + B_{\bar{N}}(N-194) + B_{\bar{N}}(2856) = 563 + (N-194) + 2856 = N + 3225$$

$$(N \ge 2856)$$

$$B_{\bar{N}}(2N+3028) = B_{\bar{N}}(2N+3028-B_{\bar{N}}(2N+3027)) + B_{\bar{N}}(2N+3028-B_{\bar{N}}(2N+3026)) + B_{\bar{N}}(2N+3028-B_{\bar{N}}(2N+3025))$$

$$= B_{\bar{N}}(2N+3028-(N+3225)) + B_{\bar{N}}(2N+3028-(2N+2464)) + B_{\bar{N}}(2N+3028-(N+3221))$$

$$= B_{\bar{N}}(N-197) + B_{\bar{N}}(564) + B_{\bar{N}}(N-193) = (N-197) + 564 + (N-193) = 2N + 174$$

$$(N \ge 564)$$

$$B_{\bar{N}}(2N+3029) = B_{\bar{N}}(2N+3029 - B_{\bar{N}}(2N+3028)) + B_{\bar{N}}(2N+3029 - B_{\bar{N}}(2N+3027)) + B_{\bar{N}}(2N+3029 - B_{\bar{N}}(2N+3026))$$

$$= B_{\bar{N}}(2N+3029 - (2N+174)) + B_{\bar{N}}(2N+3029 - (N+3225)) + B_{\bar{N}}(2N+3029 - (2N+2464))$$

$$= B_{\bar{N}}(2855) + B_{\bar{N}}(N-196) + B_{\bar{N}}(565) = 2855 + (N-196) + 565 = N + 3224$$

$$(N \ge 2855)$$

$$\begin{split} B_{\bar{N}}(2N+3030) &= B_{\bar{N}}(2N+3030-B_{\bar{N}}(2N+3029)) + B_{\bar{N}}(2N+3030-B_{\bar{N}}(2N+3028)) + B_{\bar{N}}(2N+3030-B_{\bar{N}}(2N+3027)) \\ &= B_{\bar{N}}(2N+3030-(N+3224)) + B_{\bar{N}}(2N+3030-(2N+174)) + B_{\bar{N}}(2N+3030-(N+3225)) \\ &= B_{\bar{N}}(N-194) + B_{\bar{N}}(2856) + B_{\bar{N}}(N-195) = (N-194) + 2856 + (N-195) = 2N+2467 \\ &(N \geq 2856) \end{split}$$

$$B_{\bar{N}}(2N+3031) = B_{\bar{N}}(2N+3031-B_{\bar{N}}(2N+3030)) + B_{\bar{N}}(2N+3031-B_{\bar{N}}(2N+3029)) + B_{\bar{N}}(2N+3031-B_{\bar{N}}(2N+3028))$$

$$= B_{\bar{N}}(2N+3031-(2N+2467)) + B_{\bar{N}}(2N+3031-(N+3224)) + B_{\bar{N}}(2N+3031-(2N+174))$$

$$= B_{\bar{N}}(564) + B_{\bar{N}}(N-193) + B_{\bar{N}}(2857) = 564 + (N-193) + 2857 = N + 3228$$

$$(N \ge 2857)$$

$$B_{\bar{N}}(2N+3032) = B_{\bar{N}}(2N+3032-B_{\bar{N}}(2N+3031)) + B_{\bar{N}}(2N+3032-B_{\bar{N}}(2N+3030)) + B_{\bar{N}}(2N+3032-B_{\bar{N}}(2N+3029))$$

$$= B_{\bar{N}}(2N+3032-(N+3228)) + B_{\bar{N}}(2N+3032-(2N+2467)) + B_{\bar{N}}(2N+3032-(N+3224))$$

$$= B_{\bar{N}}(N-196) + B_{\bar{N}}(565) + B_{\bar{N}}(N-192) = (N-196) + 565 + (N-192) = 2N + 177$$

$$(N \ge 565)$$

$$B_{\bar{N}}(2N+3033) = B_{\bar{N}}(2N+3033-B_{\bar{N}}(2N+3032)) + B_{\bar{N}}(2N+3033-B_{\bar{N}}(2N+3031)) + B_{\bar{N}}(2N+3033-B_{\bar{N}}(2N+3030))$$

$$= B_{\bar{N}}(2N+3033-(2N+177)) + B_{\bar{N}}(2N+3033-(N+3228)) + B_{\bar{N}}(2N+3033-(2N+2467))$$

$$= B_{\bar{N}}(2856) + B_{\bar{N}}(N-195) + B_{\bar{N}}(566) = 2856 + (N-195) + 566 = N + 3227$$

$$(N \ge 2856)$$

$$B_{\bar{N}}(2N+3034) = B_{\bar{N}}(2N+3034-B_{\bar{N}}(2N+3033)) + B_{\bar{N}}(2N+3034-B_{\bar{N}}(2N+3032)) + B_{\bar{N}}(2N+3034-B_{\bar{N}}(2N+3031))$$

$$= B_{\bar{N}}(2N+3034-(N+3227)) + B_{\bar{N}}(2N+3034-(2N+177)) + B_{\bar{N}}(2N+3034-(N+3228))$$

$$= B_{\bar{N}}(N-193) + B_{\bar{N}}(2857) + B_{\bar{N}}(N-194) = (N-193) + 2857 + (N-194) = 2N + 2470$$

$$(N \ge 2857)$$

$$B_{\bar{N}}(2N+3035) = B_{\bar{N}}(2N+3035-B_{\bar{N}}(2N+3034)) + B_{\bar{N}}(2N+3035-B_{\bar{N}}(2N+3033)) + B_{\bar{N}}(2N+3035-B_{\bar{N}}(2N+3032))$$

$$= B_{\bar{N}}(2N+3035-(2N+2470)) + B_{\bar{N}}(2N+3035-(N+3227)) + B_{\bar{N}}(2N+3035-(2N+177))$$

$$= B_{\bar{N}}(565) + B_{\bar{N}}(N-192) + B_{\bar{N}}(2858) = 565 + (N-192) + 2858 = N + 3231$$

$$(N \ge 2858)$$

$$B_{\bar{N}}(2N+3036) = B_{\bar{N}}(2N+3036-B_{\bar{N}}(2N+3035)) + B_{\bar{N}}(2N+3036-B_{\bar{N}}(2N+3034)) + B_{\bar{N}}(2N+3036-B_{\bar{N}}(2N+3033))$$

$$= B_{\bar{N}}(2N+3036-(N+3231)) + B_{\bar{N}}(2N+3036-(2N+2470)) + B_{\bar{N}}(2N+3036-(N+3227))$$

$$= B_{\bar{N}}(N-195) + B_{\bar{N}}(566) + B_{\bar{N}}(N-191) = (N-195) + 566 + (N-191) = 2N + 180$$

$$(N \ge 566)$$

$$B_{\bar{N}}(2N+3037) = B_{\bar{N}}(2N+3037 - B_{\bar{N}}(2N+3036)) + B_{\bar{N}}(2N+3037 - B_{\bar{N}}(2N+3035)) + B_{\bar{N}}(2N+3037 - B_{\bar{N}}(2N+3034))$$

$$= B_{\bar{N}}(2N+3037 - (2N+180)) + B_{\bar{N}}(2N+3037 - (N+3231)) + B_{\bar{N}}(2N+3037 - (2N+2470))$$

$$= B_{\bar{N}}(2857) + B_{\bar{N}}(N-194) + B_{\bar{N}}(567) = 2857 + (N-194) + 567 = N + 3230$$

$$(N \ge 2857)$$

$$B_{\bar{N}}(2N+3038) = B_{\bar{N}}(2N+3038-B_{\bar{N}}(2N+3037)) + B_{\bar{N}}(2N+3038-B_{\bar{N}}(2N+3036)) + B_{\bar{N}}(2N+3038-B_{\bar{N}}(2N+3035))$$

$$= B_{\bar{N}}(2N+3038-(N+3230)) + B_{\bar{N}}(2N+3038-(2N+180)) + B_{\bar{N}}(2N+3038-(N+3231))$$

$$= B_{\bar{N}}(N-192) + B_{\bar{N}}(2858) + B_{\bar{N}}(N-193) = (N-192) + 2858 + (N-193) = 2N + 2473$$

$$(N \ge 2858)$$

$$\begin{split} B_{\bar{N}}(2N+3039) &= B_{\bar{N}}(2N+3039 - B_{\bar{N}}(2N+3038)) + B_{\bar{N}}(2N+3039 - B_{\bar{N}}(2N+3037)) + B_{\bar{N}}(2N+3039 - B_{\bar{N}}(2N+3036)) \\ &= B_{\bar{N}}(2N+3039 - (2N+2473)) + B_{\bar{N}}(2N+3039 - (N+3230)) + B_{\bar{N}}(2N+3039 - (2N+180)) \\ &= B_{\bar{N}}(566) + B_{\bar{N}}(N-191) + B_{\bar{N}}(2859) = 566 + (N-191) + 2859 = N + 3234 \\ &(N \ge 2859) \end{split}$$

$$B_{\bar{N}}(2N+3040) = B_{\bar{N}}(2N+3040-B_{\bar{N}}(2N+3039)) + B_{\bar{N}}(2N+3040-B_{\bar{N}}(2N+3038)) + B_{\bar{N}}(2N+3040-B_{\bar{N}}(2N+3037))$$

$$= B_{\bar{N}}(2N+3040-(N+3234)) + B_{\bar{N}}(2N+3040-(2N+2473)) + B_{\bar{N}}(2N+3040-(N+3230))$$

$$= B_{\bar{N}}(N-194) + B_{\bar{N}}(567) + B_{\bar{N}}(N-190) = (N-194) + 567 + (N-190) = 2N+183$$

$$(N \ge 567)$$

$$B_{\bar{N}}(2N+3041) = B_{\bar{N}}(2N+3041 - B_{\bar{N}}(2N+3040)) + B_{\bar{N}}(2N+3041 - B_{\bar{N}}(2N+3039)) + B_{\bar{N}}(2N+3041 - B_{\bar{N}}(2N+3038))$$

$$= B_{\bar{N}}(2N+3041 - (2N+183)) + B_{\bar{N}}(2N+3041 - (N+3234)) + B_{\bar{N}}(2N+3041 - (2N+2473))$$

$$= B_{\bar{N}}(2858) + B_{\bar{N}}(N-193) + B_{\bar{N}}(568) = 2858 + (N-193) + 568 = N + 3233$$

$$(N \ge 2858)$$

$$B_{\bar{N}}(2N+3042) = B_{\bar{N}}(2N+3042-B_{\bar{N}}(2N+3041)) + B_{\bar{N}}(2N+3042-B_{\bar{N}}(2N+3040)) + B_{\bar{N}}(2N+3042-B_{\bar{N}}(2N+3039))$$

$$= B_{\bar{N}}(2N+3042-(N+3233)) + B_{\bar{N}}(2N+3042-(2N+183)) + B_{\bar{N}}(2N+3042-(N+3234))$$

$$= B_{\bar{N}}(N-191) + B_{\bar{N}}(2859) + B_{\bar{N}}(N-192) = (N-191) + 2859 + (N-192) = 2N + 2476$$

$$(N \ge 2859)$$

$$B_{\bar{N}}(2N+3043) = B_{\bar{N}}(2N+3043 - B_{\bar{N}}(2N+3042)) + B_{\bar{N}}(2N+3043 - B_{\bar{N}}(2N+3041)) + B_{\bar{N}}(2N+3043 - B_{\bar{N}}(2N+3040))$$

$$= B_{\bar{N}}(2N+3043 - (2N+2476)) + B_{\bar{N}}(2N+3043 - (N+3233)) + B_{\bar{N}}(2N+3043 - (2N+183))$$

$$= B_{\bar{N}}(567) + B_{\bar{N}}(N-190) + B_{\bar{N}}(2860) = 567 + (N-190) + 2860 = N + 3237$$

$$(N \ge 2860)$$

$$B_{\bar{N}}(2N+3044) = B_{\bar{N}}(2N+3044 - B_{\bar{N}}(2N+3043)) + B_{\bar{N}}(2N+3044 - B_{\bar{N}}(2N+3042)) + B_{\bar{N}}(2N+3044 - B_{\bar{N}}(2N+3041))$$

$$= B_{\bar{N}}(2N+3044 - (N+3237)) + B_{\bar{N}}(2N+3044 - (2N+2476)) + B_{\bar{N}}(2N+3044 - (N+3233))$$

$$= B_{\bar{N}}(N-193) + B_{\bar{N}}(568) + B_{\bar{N}}(N-189) = (N-193) + 568 + (N-189) = 2N + 186$$

$$(N \ge 568)$$

$$B_{\bar{N}}(2N+3045) = B_{\bar{N}}(2N+3045-B_{\bar{N}}(2N+3044)) + B_{\bar{N}}(2N+3045-B_{\bar{N}}(2N+3043)) + B_{\bar{N}}(2N+3045-B_{\bar{N}}(2N+3045))$$

$$= B_{\bar{N}}(2N+3045-(2N+186)) + B_{\bar{N}}(2N+3045-(N+3237)) + B_{\bar{N}}(2N+3045-(2N+2476))$$

$$= B_{\bar{N}}(2859) + B_{\bar{N}}(N-192) + B_{\bar{N}}(569) = 2859 + (N-192) + 569 = N + 3236$$

$$(N \ge 2859)$$

$$B_{\bar{N}}(2N+3046) = B_{\bar{N}}(2N+3046-B_{\bar{N}}(2N+3045)) + B_{\bar{N}}(2N+3046-B_{\bar{N}}(2N+3044)) + B_{\bar{N}}(2N+3046-B_{\bar{N}}(2N+3043))$$

$$= B_{\bar{N}}(2N+3046-(N+3236)) + B_{\bar{N}}(2N+3046-(2N+186)) + B_{\bar{N}}(2N+3046-(N+3237))$$

$$= B_{\bar{N}}(N-190) + B_{\bar{N}}(2860) + B_{\bar{N}}(N-191) = (N-190) + 2860 + (N-191) = 2N + 2479$$

$$(N \ge 2860)$$

$$B_{\bar{N}}(2N+3047) = B_{\bar{N}}(2N+3047 - B_{\bar{N}}(2N+3046)) + B_{\bar{N}}(2N+3047 - B_{\bar{N}}(2N+3045)) + B_{\bar{N}}(2N+3047 - B_{\bar{N}}(2N+3047)) + B_{\bar{N}}(2N+3047 - (N+3236)) + B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+3048) = B_{\bar{N}}(2N+3048-B_{\bar{N}}(2N+3047)) + B_{\bar{N}}(2N+3048-B_{\bar{N}}(2N+3046)) + B_{\bar{N}}(2N+3048-B_{\bar{N}}(2N+3045))$$

$$= B_{\bar{N}}(2N+3048-(N+3240)) + B_{\bar{N}}(2N+3048-(2N+2479)) + B_{\bar{N}}(2N+3048-(N+3236))$$

$$= B_{\bar{N}}(N-192) + B_{\bar{N}}(569) + B_{\bar{N}}(N-188) = (N-192) + 569 + (N-188) = 2N+189$$

$$(N \ge 569)$$

$$B_{\bar{N}}(2N+3049) = B_{\bar{N}}(2N+3049 - B_{\bar{N}}(2N+3048)) + B_{\bar{N}}(2N+3049 - B_{\bar{N}}(2N+3047)) + B_{\bar{N}}(2N+3049 - B_{\bar{N}}(2N+3046))$$

$$= B_{\bar{N}}(2N+3049 - (2N+189)) + B_{\bar{N}}(2N+3049 - (N+3240)) + B_{\bar{N}}(2N+3049 - (2N+2479))$$

$$= B_{\bar{N}}(2860) + B_{\bar{N}}(N-191) + B_{\bar{N}}(570) = 2860 + (N-191) + 570 = N + 3239$$

$$(N \ge 2860)$$

$$B_{\bar{N}}(2N+3050) = B_{\bar{N}}(2N+3050-B_{\bar{N}}(2N+3049)) + B_{\bar{N}}(2N+3050-B_{\bar{N}}(2N+3048)) + B_{\bar{N}}(2N+3050-B_{\bar{N}}(2N+3047))$$

$$= B_{\bar{N}}(2N+3050-(N+3239)) + B_{\bar{N}}(2N+3050-(2N+189)) + B_{\bar{N}}(2N+3050-(N+3240))$$

$$= B_{\bar{N}}(N-189) + B_{\bar{N}}(2861) + B_{\bar{N}}(N-190) = (N-189) + 2861 + (N-190) = 2N + 2482$$

$$(N \ge 2861)$$

$$B_{\bar{N}}(2N+3051) = B_{\bar{N}}(2N+3051-B_{\bar{N}}(2N+3050)) + B_{\bar{N}}(2N+3051-B_{\bar{N}}(2N+3049)) + B_{\bar{N}}(2N+3051-B_{\bar{N}}(2N+3048))$$

$$= B_{\bar{N}}(2N+3051-(2N+2482)) + B_{\bar{N}}(2N+3051-(N+3239)) + B_{\bar{N}}(2N+3051-(2N+189))$$

$$= B_{\bar{N}}(569) + B_{\bar{N}}(N-188) + B_{\bar{N}}(2862) = 569 + (N-188) + 2862 = N + 3243$$

$$(N \ge 2862)$$

$$B_{\bar{N}}(2N+3052) = B_{\bar{N}}(2N+3052-B_{\bar{N}}(2N+3051)) + B_{\bar{N}}(2N+3052-B_{\bar{N}}(2N+3050)) + B_{\bar{N}}(2N+3052-B_{\bar{N}}(2N+3049))$$

$$= B_{\bar{N}}(2N+3052-(N+3243)) + B_{\bar{N}}(2N+3052-(2N+2482)) + B_{\bar{N}}(2N+3052-(N+3239))$$

$$= B_{\bar{N}}(N-191) + B_{\bar{N}}(570) + B_{\bar{N}}(N-187) = (N-191) + 570 + (N-187) = 2N+192$$

$$(N \ge 570)$$

$$B_{\bar{N}}(2N+3053) = B_{\bar{N}}(2N+3053-B_{\bar{N}}(2N+3052)) + B_{\bar{N}}(2N+3053-B_{\bar{N}}(2N+3051)) + B_{\bar{N}}(2N+3053-B_{\bar{N}}(2N+3050))$$

$$= B_{\bar{N}}(2N+3053-(2N+192)) + B_{\bar{N}}(2N+3053-(N+3243)) + B_{\bar{N}}(2N+3053-(2N+2482))$$

$$= B_{\bar{N}}(2861) + B_{\bar{N}}(N-190) + B_{\bar{N}}(571) = 2861 + (N-190) + 571 = N + 3242$$

$$(N \ge 2861)$$

$$B_{\bar{N}}(2N+3054) = B_{\bar{N}}(2N+3054-B_{\bar{N}}(2N+3053)) + B_{\bar{N}}(2N+3054-B_{\bar{N}}(2N+3052)) + B_{\bar{N}}(2N+3054-B_{\bar{N}}(2N+3051))$$

$$= B_{\bar{N}}(2N+3054-(N+3242)) + B_{\bar{N}}(2N+3054-(2N+192)) + B_{\bar{N}}(2N+3054-(N+3243))$$

$$= B_{\bar{N}}(N-188) + B_{\bar{N}}(2862) + B_{\bar{N}}(N-189) = (N-188) + 2862 + (N-189) = 2N + 2485$$

$$(N \ge 2862)$$

$$B_{\bar{N}}(2N+3055) = B_{\bar{N}}(2N+3055-B_{\bar{N}}(2N+3054)) + B_{\bar{N}}(2N+3055-B_{\bar{N}}(2N+3053)) + B_{\bar{N}}(2N+3055-B_{\bar{N}}(2N+3052))$$

$$= B_{\bar{N}}(2N+3055-(2N+2485)) + B_{\bar{N}}(2N+3055-(N+3242)) + B_{\bar{N}}(2N+3055-(2N+192))$$

$$= B_{\bar{N}}(570) + B_{\bar{N}}(N-187) + B_{\bar{N}}(2863) = 570 + (N-187) + 2863 = N + 3246$$

$$(N \ge 2863)$$

$$B_{\bar{N}}(2N+3056) = B_{\bar{N}}(2N+3056-B_{\bar{N}}(2N+3055)) + B_{\bar{N}}(2N+3056-B_{\bar{N}}(2N+3054)) + B_{\bar{N}}(2N+3056-B_{\bar{N}}(2N+3053))$$

$$= B_{\bar{N}}(2N+3056-(N+3246)) + B_{\bar{N}}(2N+3056-(2N+2485)) + B_{\bar{N}}(2N+3056-(N+3242))$$

$$= B_{\bar{N}}(N-190) + B_{\bar{N}}(571) + B_{\bar{N}}(N-186) = (N-190) + 571 + (N-186) = 2N + 195$$

$$(N \ge 571)$$

$$B_{\bar{N}}(2N+3057) = B_{\bar{N}}(2N+3057 - B_{\bar{N}}(2N+3056)) + B_{\bar{N}}(2N+3057 - B_{\bar{N}}(2N+3055)) + B_{\bar{N}}(2N+3057 - B_{\bar{N}}(2N+3054))$$

$$= B_{\bar{N}}(2N+3057 - (2N+195)) + B_{\bar{N}}(2N+3057 - (N+3246)) + B_{\bar{N}}(2N+3057 - (2N+2485))$$

$$= B_{\bar{N}}(2862) + B_{\bar{N}}(N-189) + B_{\bar{N}}(572) = 2862 + (N-189) + 572 = N + 3245$$

$$(N \ge 2862)$$

$$B_{\bar{N}}(2N+3058) = B_{\bar{N}}(2N+3058-B_{\bar{N}}(2N+3057)) + B_{\bar{N}}(2N+3058-B_{\bar{N}}(2N+3056)) + B_{\bar{N}}(2N+3058-B_{\bar{N}}(2N+3055))$$

$$= B_{\bar{N}}(2N+3058-(N+3245)) + B_{\bar{N}}(2N+3058-(2N+195)) + B_{\bar{N}}(2N+3058-(N+3246))$$

$$= B_{\bar{N}}(N-187) + B_{\bar{N}}(2863) + B_{\bar{N}}(N-188) = (N-187) + 2863 + (N-188) = 2N + 2488$$

$$(N \ge 2863)$$

$$B_{\bar{N}}(2N+3059) = B_{\bar{N}}(2N+3059 - B_{\bar{N}}(2N+3058)) + B_{\bar{N}}(2N+3059 - B_{\bar{N}}(2N+3057)) + B_{\bar{N}}(2N+3059 - B_{\bar{N}}(2N+3059))$$

$$= B_{\bar{N}}(2N+3059 - (2N+2488)) + B_{\bar{N}}(2N+3059 - (N+3245)) + B_{\bar{N}}(2N+3059 - (2N+195))$$

$$= B_{\bar{N}}(571) + B_{\bar{N}}(N-186) + B_{\bar{N}}(2864) = 571 + (N-186) + 2864 = N + 3249$$

$$(N \ge 2864)$$

$$B_{\bar{N}}(2N+3060) = B_{\bar{N}}(2N+3060-B_{\bar{N}}(2N+3059)) + B_{\bar{N}}(2N+3060-B_{\bar{N}}(2N+3058)) + B_{\bar{N}}(2N+3060-B_{\bar{N}}(2N+3057))$$

$$= B_{\bar{N}}(2N+3060-(N+3249)) + B_{\bar{N}}(2N+3060-(2N+2488)) + B_{\bar{N}}(2N+3060-(N+3245))$$

$$= B_{\bar{N}}(N-189) + B_{\bar{N}}(572) + B_{\bar{N}}(N-185) = (N-189) + 572 + (N-185) = 2N + 198$$

$$(N \ge 572)$$

$$B_{\bar{N}}(2N+3061) = B_{\bar{N}}(2N+3061-B_{\bar{N}}(2N+3060)) + B_{\bar{N}}(2N+3061-B_{\bar{N}}(2N+3059)) + B_{\bar{N}}(2N+3061-B_{\bar{N}}(2N+3058))$$

$$= B_{\bar{N}}(2N+3061-(2N+198)) + B_{\bar{N}}(2N+3061-(N+3249)) + B_{\bar{N}}(2N+3061-(2N+2488))$$

$$= B_{\bar{N}}(2863) + B_{\bar{N}}(N-188) + B_{\bar{N}}(573) = 2863 + (N-188) + 573 = N + 3248$$

$$(N \ge 2863)$$

$$B_{\bar{N}}(2N+3062) = B_{\bar{N}}(2N+3062-B_{\bar{N}}(2N+3061)) + B_{\bar{N}}(2N+3062-B_{\bar{N}}(2N+3060)) + B_{\bar{N}}(2N+3062-B_{\bar{N}}(2N+3059))$$

$$= B_{\bar{N}}(2N+3062-(N+3248)) + B_{\bar{N}}(2N+3062-(2N+198)) + B_{\bar{N}}(2N+3062-(N+3249))$$

$$= B_{\bar{N}}(N-186) + B_{\bar{N}}(2864) + B_{\bar{N}}(N-187) = (N-186) + 2864 + (N-187) = 2N + 2491$$

$$(N \ge 2864)$$

$$B_{\bar{N}}(2N+3063) = B_{\bar{N}}(2N+3063-B_{\bar{N}}(2N+3062)) + B_{\bar{N}}(2N+3063-B_{\bar{N}}(2N+3061)) + B_{\bar{N}}(2N+3063-B_{\bar{N}}(2N+3060))$$

$$= B_{\bar{N}}(2N+3063-(2N+2491)) + B_{\bar{N}}(2N+3063-(N+3248)) + B_{\bar{N}}(2N+3063-(2N+198))$$

$$= B_{\bar{N}}(572) + B_{\bar{N}}(N-185) + B_{\bar{N}}(2865) = 572 + (N-185) + 2865 = N + 3252$$

$$(N \ge 2865)$$

$$B_{\bar{N}}(2N+3064) = B_{\bar{N}}(2N+3064-B_{\bar{N}}(2N+3063)) + B_{\bar{N}}(2N+3064-B_{\bar{N}}(2N+3062)) + B_{\bar{N}}(2N+3064-B_{\bar{N}}(2N+3061))$$

$$= B_{\bar{N}}(2N+3064-(N+3252)) + B_{\bar{N}}(2N+3064-(2N+2491)) + B_{\bar{N}}(2N+3064-(N+3248))$$

$$= B_{\bar{N}}(N-188) + B_{\bar{N}}(573) + B_{\bar{N}}(N-184) = (N-188) + 573 + (N-184) = 2N + 201$$

$$(N \ge 573)$$

$$B_{\bar{N}}(2N+3065) = B_{\bar{N}}(2N+3065-B_{\bar{N}}(2N+3064)) + B_{\bar{N}}(2N+3065-B_{\bar{N}}(2N+3063)) + B_{\bar{N}}(2N+3065-B_{\bar{N}}(2N+3062))$$

$$= B_{\bar{N}}(2N+3065-(2N+201)) + B_{\bar{N}}(2N+3065-(N+3252)) + B_{\bar{N}}(2N+3065-(2N+2491))$$

$$= B_{\bar{N}}(2864) + B_{\bar{N}}(N-187) + B_{\bar{N}}(574) = 2864 + (N-187) + 574 = N + 3251$$

$$(N \ge 2864)$$

$$B_{\bar{N}}(2N+3066) = B_{\bar{N}}(2N+3066-B_{\bar{N}}(2N+3065)) + B_{\bar{N}}(2N+3066-B_{\bar{N}}(2N+3064)) + B_{\bar{N}}(2N+3066-B_{\bar{N}}(2N+3063))$$

$$= B_{\bar{N}}(2N+3066-(N+3251)) + B_{\bar{N}}(2N+3066-(2N+201)) + B_{\bar{N}}(2N+3066-(N+3252))$$

$$= B_{\bar{N}}(N-185) + B_{\bar{N}}(2865) + B_{\bar{N}}(N-186) = (N-185) + 2865 + (N-186) = 2N + 2494$$

$$(N \ge 2865)$$

$$B_{\bar{N}}(2N+3067) = B_{\bar{N}}(2N+3067-B_{\bar{N}}(2N+3066)) + B_{\bar{N}}(2N+3067-B_{\bar{N}}(2N+3065)) + B_{\bar{N}}(2N+3067-B_{\bar{N}}(2N+3064))$$

$$= B_{\bar{N}}(2N+3067-(2N+2494)) + B_{\bar{N}}(2N+3067-(N+3251)) + B_{\bar{N}}(2N+3067-(2N+201))$$

$$= B_{\bar{N}}(573) + B_{\bar{N}}(N-184) + B_{\bar{N}}(2866) = 573 + (N-184) + 2866 = N+3255$$

$$(N \ge 2866)$$

$$B_{\bar{N}}(2N+3068) = B_{\bar{N}}(2N+3068-B_{\bar{N}}(2N+3067)) + B_{\bar{N}}(2N+3068-B_{\bar{N}}(2N+3066)) + B_{\bar{N}}(2N+3068-B_{\bar{N}}(2N+3065))$$

$$= B_{\bar{N}}(2N+3068-(N+3255)) + B_{\bar{N}}(2N+3068-(2N+2494)) + B_{\bar{N}}(2N+3068-(N+3251))$$

$$= B_{\bar{N}}(N-187) + B_{\bar{N}}(574) + B_{\bar{N}}(N-183) = (N-187) + 574 + (N-183) = 2N + 204$$

$$(N \ge 574)$$

$$B_{\bar{N}}(2N+3069) = B_{\bar{N}}(2N+3069 - B_{\bar{N}}(2N+3068)) + B_{\bar{N}}(2N+3069 - B_{\bar{N}}(2N+3067)) + B_{\bar{N}}(2N+3069 - B_{\bar{N}}(2N+3069))$$

$$= B_{\bar{N}}(2N+3069 - (2N+204)) + B_{\bar{N}}(2N+3069 - (N+3255)) + B_{\bar{N}}(2N+3069 - (2N+2494))$$

$$= B_{\bar{N}}(2865) + B_{\bar{N}}(N-186) + B_{\bar{N}}(575) = 2865 + (N-186) + 575 = N + 3254$$

$$(N \ge 2865)$$

$$B_{\bar{N}}(2N+3070) = B_{\bar{N}}(2N+3070 - B_{\bar{N}}(2N+3069)) + B_{\bar{N}}(2N+3070 - B_{\bar{N}}(2N+3068)) + B_{\bar{N}}(2N+3070 - B_{\bar{N}}(2N+3067))$$

$$= B_{\bar{N}}(2N+3070 - (N+3254)) + B_{\bar{N}}(2N+3070 - (2N+204)) + B_{\bar{N}}(2N+3070 - (N+3255))$$

$$= B_{\bar{N}}(N-184) + B_{\bar{N}}(2866) + B_{\bar{N}}(N-185) = (N-184) + 2866 + (N-185) = 2N + 2497$$

$$(N \ge 2866)$$

$$B_{\bar{N}}(2N+3071) = B_{\bar{N}}(2N+3071 - B_{\bar{N}}(2N+3070)) + B_{\bar{N}}(2N+3071 - B_{\bar{N}}(2N+3069)) + B_{\bar{N}}(2N+3071 - B_{\bar{N}}(2N+3068))$$

$$= B_{\bar{N}}(2N+3071 - (2N+2497)) + B_{\bar{N}}(2N+3071 - (N+3254)) + B_{\bar{N}}(2N+3071 - (2N+204))$$

$$= B_{\bar{N}}(574) + B_{\bar{N}}(N-183) + B_{\bar{N}}(2867) = 574 + (N-183) + 2867 = N + 3258$$

$$(N \ge 2867)$$

$$B_{\bar{N}}(2N+3072) = B_{\bar{N}}(2N+3072 - B_{\bar{N}}(2N+3071)) + B_{\bar{N}}(2N+3072 - B_{\bar{N}}(2N+3070)) + B_{\bar{N}}(2N+3072 - B_{\bar{N}}(2N+3069))$$

$$= B_{\bar{N}}(2N+3072 - (N+3258)) + B_{\bar{N}}(2N+3072 - (2N+2497)) + B_{\bar{N}}(2N+3072 - (N+3254))$$

$$= B_{\bar{N}}(N-186) + B_{\bar{N}}(575) + B_{\bar{N}}(N-182) = (N-186) + 575 + (N-182) = 2N + 207$$

$$(N \ge 575)$$

$$B_{\bar{N}}(2N+3073) = B_{\bar{N}}(2N+3073-B_{\bar{N}}(2N+3072)) + B_{\bar{N}}(2N+3073-B_{\bar{N}}(2N+3071)) + B_{\bar{N}}(2N+3073-B_{\bar{N}}(2N+3070))$$

$$= B_{\bar{N}}(2N+3073-(2N+207)) + B_{\bar{N}}(2N+3073-(N+3258)) + B_{\bar{N}}(2N+3073-(2N+2497))$$

$$= B_{\bar{N}}(2866) + B_{\bar{N}}(N-185) + B_{\bar{N}}(576) = 2866 + (N-185) + 576 = N + 3257$$

$$(N \ge 2866)$$

$$B_{\bar{N}}(2N+3074) = B_{\bar{N}}(2N+3074-B_{\bar{N}}(2N+3073)) + B_{\bar{N}}(2N+3074-B_{\bar{N}}(2N+3072)) + B_{\bar{N}}(2N+3074-B_{\bar{N}}(2N+3071))$$

$$= B_{\bar{N}}(2N+3074-(N+3257)) + B_{\bar{N}}(2N+3074-(2N+207)) + B_{\bar{N}}(2N+3074-(N+3258))$$

$$= B_{\bar{N}}(N-183) + B_{\bar{N}}(2867) + B_{\bar{N}}(N-184) = (N-183) + 2867 + (N-184) = 2N + 2500$$

$$(N \ge 2867)$$

$$B_{\bar{N}}(2N+3075) = B_{\bar{N}}(2N+3075 - B_{\bar{N}}(2N+3074)) + B_{\bar{N}}(2N+3075 - B_{\bar{N}}(2N+3073)) + B_{\bar{N}}(2N+3075 - B_{\bar{N}}(2N+3075))$$

$$= B_{\bar{N}}(2N+3075 - (2N+2500)) + B_{\bar{N}}(2N+3075 - (N+3257)) + B_{\bar{N}}(2N+3075 - (2N+207))$$

$$= B_{\bar{N}}(575) + B_{\bar{N}}(N-182) + B_{\bar{N}}(2868) = 575 + (N-182) + 2868 = N + 3261$$

$$(N \ge 2868)$$

$$B_{\bar{N}}(2N+3076) = B_{\bar{N}}(2N+3076-B_{\bar{N}}(2N+3075)) + B_{\bar{N}}(2N+3076-B_{\bar{N}}(2N+3074)) + B_{\bar{N}}(2N+3076-B_{\bar{N}}(2N+3073))$$

$$= B_{\bar{N}}(2N+3076-(N+3261)) + B_{\bar{N}}(2N+3076-(2N+2500)) + B_{\bar{N}}(2N+3076-(N+3257))$$

$$= B_{\bar{N}}(N-185) + B_{\bar{N}}(576) + B_{\bar{N}}(N-181) = (N-185) + 576 + (N-181) = 2N + 210$$

$$(N > 576)$$

$$B_{\bar{N}}(2N+3077) = B_{\bar{N}}(2N+3077 - B_{\bar{N}}(2N+3076)) + B_{\bar{N}}(2N+3077 - B_{\bar{N}}(2N+3075)) + B_{\bar{N}}(2N+3077 - B_{\bar{N}}(2N+3074))$$

$$= B_{\bar{N}}(2N+3077 - (2N+210)) + B_{\bar{N}}(2N+3077 - (N+3261)) + B_{\bar{N}}(2N+3077 - (2N+2500))$$

$$= B_{\bar{N}}(2867) + B_{\bar{N}}(N-184) + B_{\bar{N}}(577) = 2867 + (N-184) + 577 = N + 3260$$

$$(N > 2867)$$

$$B_{\bar{N}}(2N+3078) = B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3077)) + B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3076)) + B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2N+3078-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3079) = B_{\bar{N}}(2N+3079 - B_{\bar{N}}(2N+3078)) + B_{\bar{N}}(2N+3079 - B_{\bar{N}}(2N+3077)) + B_{\bar{N}}(2N+3079 - B_{\bar{N}}(2N+3079))$$

$$= B_{\bar{N}}(2N+3079 - (2N+2503)) + B_{\bar{N}}(2N+3079 - (N+3260)) + B_{\bar{N}}(2N+3079 - (2N+210))$$

$$= B_{\bar{N}}(576) + B_{\bar{N}}(N-181) + B_{\bar{N}}(2869) = 576 + (N-181) + 2869 = N + 3264$$

$$(N \ge 2869)$$

$$B_{\bar{N}}(2N+3080) = B_{\bar{N}}(2N+3080-B_{\bar{N}}(2N+3079)) + B_{\bar{N}}(2N+3080-B_{\bar{N}}(2N+3078)) + B_{\bar{N}}(2N+3080-B_{\bar{N}}(2N+3077))$$

$$= B_{\bar{N}}(2N+3080-(N+3264)) + B_{\bar{N}}(2N+3080-(2N+2503)) + B_{\bar{N}}(2N+3080-(N+3260))$$

$$= B_{\bar{N}}(N-184) + B_{\bar{N}}(577) + B_{\bar{N}}(N-180) = (N-184) + 577 + (N-180) = 2N + 213$$

$$(N \ge 577)$$

$$B_{\bar{N}}(2N+3081) = B_{\bar{N}}(2N+3081 - B_{\bar{N}}(2N+3080)) + B_{\bar{N}}(2N+3081 - B_{\bar{N}}(2N+3079)) + B_{\bar{N}}(2N+3081 - B_{\bar{N}}(2N+3078))$$

$$= B_{\bar{N}}(2N+3081 - (2N+213)) + B_{\bar{N}}(2N+3081 - (N+3264)) + B_{\bar{N}}(2N+3081 - (2N+2503))$$

$$= B_{\bar{N}}(2868) + B_{\bar{N}}(N-183) + B_{\bar{N}}(578) = 2868 + (N-183) + 578 = N + 3263$$

$$(N \ge 2868)$$

$$B_{\bar{N}}(2N+3082) = B_{\bar{N}}(2N+3082-B_{\bar{N}}(2N+3081)) + B_{\bar{N}}(2N+3082-B_{\bar{N}}(2N+3080)) + B_{\bar{N}}(2N+3082-B_{\bar{N}}(2N+3079))$$

$$= B_{\bar{N}}(2N+3082-(N+3263)) + B_{\bar{N}}(2N+3082-(2N+213)) + B_{\bar{N}}(2N+3082-(N+3264))$$

$$= B_{\bar{N}}(N-181) + B_{\bar{N}}(2869) + B_{\bar{N}}(N-182) = (N-181) + 2869 + (N-182) = 2N + 2506$$

$$(N \ge 2869)$$

$$B_{\bar{N}}(2N+3083) = B_{\bar{N}}(2N+3083 - B_{\bar{N}}(2N+3082)) + B_{\bar{N}}(2N+3083 - B_{\bar{N}}(2N+3081)) + B_{\bar{N}}(2N+3083 - B_{\bar{N}}(2N+3080))$$

$$= B_{\bar{N}}(2N+3083 - (2N+2506)) + B_{\bar{N}}(2N+3083 - (N+3263)) + B_{\bar{N}}(2N+3083 - (2N+213))$$

$$= B_{\bar{N}}(577) + B_{\bar{N}}(N-180) + B_{\bar{N}}(2870) = 577 + (N-180) + 2870 = N + 3267$$

$$(N \ge 2870)$$

$$B_{\bar{N}}(2N+3084) = B_{\bar{N}}(2N+3084-B_{\bar{N}}(2N+3083)) + B_{\bar{N}}(2N+3084-B_{\bar{N}}(2N+3082)) + B_{\bar{N}}(2N+3084-B_{\bar{N}}(2N+3081))$$

$$= B_{\bar{N}}(2N+3084-(N+3267)) + B_{\bar{N}}(2N+3084-(2N+2506)) + B_{\bar{N}}(2N+3084-(N+3263))$$

$$= B_{\bar{N}}(N-183) + B_{\bar{N}}(578) + B_{\bar{N}}(N-179) = (N-183) + 578 + (N-179) = 2N + 216$$

$$(N \ge 578)$$

$$B_{\bar{N}}(2N+3085) = B_{\bar{N}}(2N+3085-B_{\bar{N}}(2N+3084)) + B_{\bar{N}}(2N+3085-B_{\bar{N}}(2N+3083)) + B_{\bar{N}}(2N+3085-B_{\bar{N}}(2N+3082))$$

$$= B_{\bar{N}}(2N+3085-(2N+216)) + B_{\bar{N}}(2N+3085-(N+3267)) + B_{\bar{N}}(2N+3085-(2N+2506))$$

$$= B_{\bar{N}}(2869) + B_{\bar{N}}(N-182) + B_{\bar{N}}(579) = 2869 + (N-182) + 579 = N + 3266$$

$$(N \ge 2869)$$

$$B_{\bar{N}}(2N+3086) = B_{\bar{N}}(2N+3086-B_{\bar{N}}(2N+3085)) + B_{\bar{N}}(2N+3086-B_{\bar{N}}(2N+3084)) + B_{\bar{N}}(2N+3086-B_{\bar{N}}(2N+3083))$$

$$= B_{\bar{N}}(2N+3086-(N+3266)) + B_{\bar{N}}(2N+3086-(2N+216)) + B_{\bar{N}}(2N+3086-(N+3267))$$

$$= B_{\bar{N}}(N-180) + B_{\bar{N}}(2870) + B_{\bar{N}}(N-181) = (N-180) + 2870 + (N-181) = 2N + 2509$$

$$(N \ge 2870)$$

$$B_{\bar{N}}(2N+3087) = B_{\bar{N}}(2N+3087 - B_{\bar{N}}(2N+3086)) + B_{\bar{N}}(2N+3087 - B_{\bar{N}}(2N+3085)) + B_{\bar{N}}(2N+3087 - B_{\bar{N}}(2N+3084))$$

$$= B_{\bar{N}}(2N+3087 - (2N+2509)) + B_{\bar{N}}(2N+3087 - (N+3266)) + B_{\bar{N}}(2N+3087 - (2N+216))$$

$$= B_{\bar{N}}(578) + B_{\bar{N}}(N-179) + B_{\bar{N}}(2871) = 578 + (N-179) + 2871 = N + 3270$$

$$(N \ge 2871)$$

$$B_{\bar{N}}(2N+3088) = B_{\bar{N}}(2N+3088-B_{\bar{N}}(2N+3087)) + B_{\bar{N}}(2N+3088-B_{\bar{N}}(2N+3086)) + B_{\bar{N}}(2N+3088-B_{\bar{N}}(2N+3085))$$

$$= B_{\bar{N}}(2N+3088-(N+3270)) + B_{\bar{N}}(2N+3088-(2N+2509)) + B_{\bar{N}}(2N+3088-(N+3266))$$

$$= B_{\bar{N}}(N-182) + B_{\bar{N}}(579) + B_{\bar{N}}(N-178) = (N-182) + 579 + (N-178) = 2N + 219$$

$$(N \ge 579)$$

$$B_{\bar{N}}(2N+3089) = B_{\bar{N}}(2N+3089 - B_{\bar{N}}(2N+3088)) + B_{\bar{N}}(2N+3089 - B_{\bar{N}}(2N+3087)) + B_{\bar{N}}(2N+3089 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3090) = B_{\bar{N}}(2N+3090-B_{\bar{N}}(2N+3089)) + B_{\bar{N}}(2N+3090-B_{\bar{N}}(2N+3088)) + B_{\bar{N}}(2N+3090-B_{\bar{N}}(2N+3087))$$

$$= B_{\bar{N}}(2N+3090-(N+3269)) + B_{\bar{N}}(2N+3090-(2N+219)) + B_{\bar{N}}(2N+3090-(N+3270))$$

$$= B_{\bar{N}}(N-179) + B_{\bar{N}}(2871) + B_{\bar{N}}(N-180) = (N-179) + 2871 + (N-180) = 2N + 2512$$

$$(N \ge 2871)$$

$$B_{\bar{N}}(2N+3091) = B_{\bar{N}}(2N+3091 - B_{\bar{N}}(2N+3090)) + B_{\bar{N}}(2N+3091 - B_{\bar{N}}(2N+3089)) + B_{\bar{N}}(2N+3091 - B_{\bar{N}}(2N+3088))$$

$$= B_{\bar{N}}(2N+3091 - (2N+2512)) + B_{\bar{N}}(2N+3091 - (N+3269)) + B_{\bar{N}}(2N+3091 - (2N+219))$$

$$= B_{\bar{N}}(579) + B_{\bar{N}}(N-178) + B_{\bar{N}}(2872) = 579 + (N-178) + 2872 = N + 3273$$

$$(N \ge 2872)$$

$$B_{\bar{N}}(2N+3092) = B_{\bar{N}}(2N+3092 - B_{\bar{N}}(2N+3091)) + B_{\bar{N}}(2N+3092 - B_{\bar{N}}(2N+3090)) + B_{\bar{N}}(2N+3092 - B_{\bar{N}}(2N+3089))$$

$$= B_{\bar{N}}(2N+3092 - (N+3273)) + B_{\bar{N}}(2N+3092 - (2N+2512)) + B_{\bar{N}}(2N+3092 - (N+3269))$$

$$= B_{\bar{N}}(N-181) + B_{\bar{N}}(580) + B_{\bar{N}}(N-177) = (N-181) + 580 + (N-177) = 2N + 222$$

$$(N > 580)$$

$$B_{\bar{N}}(2N+3093) = B_{\bar{N}}(2N+3093-B_{\bar{N}}(2N+3092)) + B_{\bar{N}}(2N+3093-B_{\bar{N}}(2N+3091)) + B_{\bar{N}}(2N+3093-B_{\bar{N}}(2N+3090))$$

$$= B_{\bar{N}}(2N+3093-(2N+222)) + B_{\bar{N}}(2N+3093-(N+3273)) + B_{\bar{N}}(2N+3093-(2N+2512))$$

$$= B_{\bar{N}}(2871) + B_{\bar{N}}(N-180) + B_{\bar{N}}(581) = 2871 + (N-180) + 581 = N + 3272$$

$$(N \ge 2871)$$

$$B_{\bar{N}}(2N+3094) = B_{\bar{N}}(2N+3094-B_{\bar{N}}(2N+3093)) + B_{\bar{N}}(2N+3094-B_{\bar{N}}(2N+3092)) + B_{\bar{N}}(2N+3094-B_{\bar{N}}(2N+3091))$$

$$= B_{\bar{N}}(2N+3094-(N+3272)) + B_{\bar{N}}(2N+3094-(2N+222)) + B_{\bar{N}}(2N+3094-(N+3273))$$

$$= B_{\bar{N}}(N-178) + B_{\bar{N}}(2872) + B_{\bar{N}}(N-179) = (N-178) + 2872 + (N-179) = 2N + 2515$$

$$(N \ge 2872)$$

$$B_{\bar{N}}(2N+3095) = B_{\bar{N}}(2N+3095-B_{\bar{N}}(2N+3094)) + B_{\bar{N}}(2N+3095-B_{\bar{N}}(2N+3093)) + B_{\bar{N}}(2N+3095-B_{\bar{N}}(2N+3092))$$

$$= B_{\bar{N}}(2N+3095-(2N+2515)) + B_{\bar{N}}(2N+3095-(N+3272)) + B_{\bar{N}}(2N+3095-(2N+222))$$

$$= B_{\bar{N}}(580) + B_{\bar{N}}(N-177) + B_{\bar{N}}(2873) = 580 + (N-177) + 2873 = N + 3276$$

$$(N \ge 2873)$$

$$B_{\bar{N}}(2N+3096) = B_{\bar{N}}(2N+3096-B_{\bar{N}}(2N+3095)) + B_{\bar{N}}(2N+3096-B_{\bar{N}}(2N+3094)) + B_{\bar{N}}(2N+3096-B_{\bar{N}}(2N+3093))$$

$$= B_{\bar{N}}(2N+3096-(N+3276)) + B_{\bar{N}}(2N+3096-(2N+2515)) + B_{\bar{N}}(2N+3096-(N+3272))$$

$$= B_{\bar{N}}(N-180) + B_{\bar{N}}(581) + B_{\bar{N}}(N-176) = (N-180) + 581 + (N-176) = 2N + 225$$

$$(N \ge 581)$$

$$B_{\bar{N}}(2N+3097) = B_{\bar{N}}(2N+3097 - B_{\bar{N}}(2N+3096)) + B_{\bar{N}}(2N+3097 - B_{\bar{N}}(2N+3095)) + B_{\bar{N}}(2N+3097 - B_{\bar{N}}(2N+3094))$$

$$= B_{\bar{N}}(2N+3097 - (2N+225)) + B_{\bar{N}}(2N+3097 - (N+3276)) + B_{\bar{N}}(2N+3097 - (2N+2515))$$

$$= B_{\bar{N}}(2872) + B_{\bar{N}}(N-179) + B_{\bar{N}}(582) = 2872 + (N-179) + 582 = N + 3275$$

$$(N \ge 2872)$$

$$B_{\bar{N}}(2N+3098) = B_{\bar{N}}(2N+3098-B_{\bar{N}}(2N+3097)) + B_{\bar{N}}(2N+3098-B_{\bar{N}}(2N+3096)) + B_{\bar{N}}(2N+3098-B_{\bar{N}}(2N+3095))$$

$$= B_{\bar{N}}(2N+3098-(N+3275)) + B_{\bar{N}}(2N+3098-(2N+225)) + B_{\bar{N}}(2N+3098-(N+3276))$$

$$= B_{\bar{N}}(N-177) + B_{\bar{N}}(2873) + B_{\bar{N}}(N-178) = (N-177) + 2873 + (N-178) = 2N + 2518$$

$$(N \ge 2873)$$

$$B_{\bar{N}}(2N+3099) = B_{\bar{N}}(2N+3099 - B_{\bar{N}}(2N+3098)) + B_{\bar{N}}(2N+3099 - B_{\bar{N}}(2N+3097)) + B_{\bar{N}}(2N+3099 - B_{\bar{N}}(2N+3096))$$

$$= B_{\bar{N}}(2N+3099 - (2N+2518)) + B_{\bar{N}}(2N+3099 - (N+3275)) + B_{\bar{N}}(2N+3099 - (2N+225))$$

$$= B_{\bar{N}}(581) + B_{\bar{N}}(N-176) + B_{\bar{N}}(2874) = 581 + (N-176) + 2874 = N + 3279$$

$$(N \ge 2874)$$

$$B_{\bar{N}}(2N+3100) = B_{\bar{N}}(2N+3100-B_{\bar{N}}(2N+3099)) + B_{\bar{N}}(2N+3100-B_{\bar{N}}(2N+3098)) + B_{\bar{N}}(2N+3100-B_{\bar{N}}(2N+3097))$$

$$= B_{\bar{N}}(2N+3100-(N+3279)) + B_{\bar{N}}(2N+3100-(2N+2518)) + B_{\bar{N}}(2N+3100-(N+3275))$$

$$= B_{\bar{N}}(N-179) + B_{\bar{N}}(582) + B_{\bar{N}}(N-175) = (N-179) + 582 + (N-175) = 2N + 228$$

$$(N \ge 582)$$

$$B_{\bar{N}}(2N+3101) = B_{\bar{N}}(2N+3101-B_{\bar{N}}(2N+3100)) + B_{\bar{N}}(2N+3101-B_{\bar{N}}(2N+3099)) + B_{\bar{N}}(2N+3101-B_{\bar{N}}(2N+3098))$$

$$= B_{\bar{N}}(2N+3101-(2N+228)) + B_{\bar{N}}(2N+3101-(N+3279)) + B_{\bar{N}}(2N+3101-(2N+2518))$$

$$= B_{\bar{N}}(2873) + B_{\bar{N}}(N-178) + B_{\bar{N}}(583) = 2873 + (N-178) + 583 = N + 3278$$

$$(N > 2873)$$

$$B_{\bar{N}}(2N+3102) = B_{\bar{N}}(2N+3102-B_{\bar{N}}(2N+3101)) + B_{\bar{N}}(2N+3102-B_{\bar{N}}(2N+3100)) + B_{\bar{N}}(2N+3102-B_{\bar{N}}(2N+3099))$$

$$= B_{\bar{N}}(2N+3102-(N+3278)) + B_{\bar{N}}(2N+3102-(2N+228)) + B_{\bar{N}}(2N+3102-(N+3279))$$

$$= B_{\bar{N}}(N-176) + B_{\bar{N}}(2874) + B_{\bar{N}}(N-177) = (N-176) + 2874 + (N-177) = 2N + 2521$$

$$(N \ge 2874)$$

$$B_{\bar{N}}(2N+3103) = B_{\bar{N}}(2N+3103-B_{\bar{N}}(2N+3102)) + B_{\bar{N}}(2N+3103-B_{\bar{N}}(2N+3101)) + B_{\bar{N}}(2N+3103-B_{\bar{N}}(2N+3100))$$

$$= B_{\bar{N}}(2N+3103-(2N+2521)) + B_{\bar{N}}(2N+3103-(N+3278)) + B_{\bar{N}}(2N+3103-(2N+228))$$

$$= B_{\bar{N}}(582) + B_{\bar{N}}(N-175) + B_{\bar{N}}(2875) = 582 + (N-175) + 2875 = N + 3282$$

$$(N \ge 2875)$$

$$B_{\bar{N}}(2N+3104) = B_{\bar{N}}(2N+3104 - B_{\bar{N}}(2N+3103)) + B_{\bar{N}}(2N+3104 - B_{\bar{N}}(2N+3102)) + B_{\bar{N}}(2N+3104 - B_{\bar{N}}(2N+3101))$$

$$= B_{\bar{N}}(2N+3104 - (N+3282)) + B_{\bar{N}}(2N+3104 - (2N+2521)) + B_{\bar{N}}(2N+3104 - (N+3278))$$

$$= B_{\bar{N}}(N-178) + B_{\bar{N}}(583) + B_{\bar{N}}(N-174) = (N-178) + 583 + (N-174) = 2N + 231$$

$$(N \ge 583)$$

$$B_{\bar{N}}(2N+3105) = B_{\bar{N}}(2N+3105 - B_{\bar{N}}(2N+3104)) + B_{\bar{N}}(2N+3105 - B_{\bar{N}}(2N+3103)) + B_{\bar{N}}(2N+3105 - B_{\bar{N}}(2N+3102))$$

$$= B_{\bar{N}}(2N+3105 - (2N+231)) + B_{\bar{N}}(2N+3105 - (N+3282)) + B_{\bar{N}}(2N+3105 - (2N+2521))$$

$$= B_{\bar{N}}(2874) + B_{\bar{N}}(N-177) + B_{\bar{N}}(584) = 2874 + (N-177) + 584 = N + 3281$$

$$(N \ge 2874)$$

$$B_{\bar{N}}(2N+3106) = B_{\bar{N}}(2N+3106 - B_{\bar{N}}(2N+3105)) + B_{\bar{N}}(2N+3106 - B_{\bar{N}}(2N+3104)) + B_{\bar{N}}(2N+3106 - B_{\bar{N}}(2N+3103))$$

$$= B_{\bar{N}}(2N+3106 - (N+3281)) + B_{\bar{N}}(2N+3106 - (2N+231)) + B_{\bar{N}}(2N+3106 - (N+3282))$$

$$= B_{\bar{N}}(N-175) + B_{\bar{N}}(2875) + B_{\bar{N}}(N-176) = (N-175) + 2875 + (N-176) = 2N + 2524$$

$$(N \ge 2875)$$

$$B_{\bar{N}}(2N+3107) = B_{\bar{N}}(2N+3107 - B_{\bar{N}}(2N+3106)) + B_{\bar{N}}(2N+3107 - B_{\bar{N}}(2N+3105)) + B_{\bar{N}}(2N+3107 - B_{\bar{N}}(2N+3104))$$

$$= B_{\bar{N}}(2N+3107 - (2N+2524)) + B_{\bar{N}}(2N+3107 - (N+3281)) + B_{\bar{N}}(2N+3107 - (2N+231))$$

$$= B_{\bar{N}}(583) + B_{\bar{N}}(N-174) + B_{\bar{N}}(2876) = 583 + (N-174) + 2876 = N + 3285$$

$$(N > 2876)$$

$$B_{\bar{N}}(2N+3108) = B_{\bar{N}}(2N+3108-B_{\bar{N}}(2N+3107)) + B_{\bar{N}}(2N+3108-B_{\bar{N}}(2N+3106)) + B_{\bar{N}}(2N+3108-B_{\bar{N}}(2N+3105))$$

$$= B_{\bar{N}}(2N+3108-(N+3285)) + B_{\bar{N}}(2N+3108-(2N+2524)) + B_{\bar{N}}(2N+3108-(N+3281))$$

$$= B_{\bar{N}}(N-177) + B_{\bar{N}}(584) + B_{\bar{N}}(N-173) = (N-177) + 584 + (N-173) = 2N + 234$$

$$(N \ge 584)$$

$$B_{\bar{N}}(2N+3109) = B_{\bar{N}}(2N+3109 - B_{\bar{N}}(2N+3108)) + B_{\bar{N}}(2N+3109 - B_{\bar{N}}(2N+3107)) + B_{\bar{N}}(2N+3109 - B_{\bar{N}}(2N+3106))$$

$$= B_{\bar{N}}(2N+3109 - (2N+234)) + B_{\bar{N}}(2N+3109 - (N+3285)) + B_{\bar{N}}(2N+3109 - (2N+2524))$$

$$= B_{\bar{N}}(2875) + B_{\bar{N}}(N-176) + B_{\bar{N}}(585) = 2875 + (N-176) + 585 = N + 3284$$

$$(N \ge 2875)$$

$$B_{\bar{N}}(2N+3110) = B_{\bar{N}}(2N+3110-B_{\bar{N}}(2N+3109)) + B_{\bar{N}}(2N+3110-B_{\bar{N}}(2N+3108)) + B_{\bar{N}}(2N+3110-B_{\bar{N}}(2N+3107))$$

$$= B_{\bar{N}}(2N+3110-(N+3284)) + B_{\bar{N}}(2N+3110-(2N+234)) + B_{\bar{N}}(2N+3110-(N+3285))$$

$$= B_{\bar{N}}(N-174) + B_{\bar{N}}(2876) + B_{\bar{N}}(N-175) = (N-174) + 2876 + (N-175) = 2N + 2527$$

$$(N \ge 2876)$$

$$B_{\bar{N}}(2N+3111) = B_{\bar{N}}(2N+3111-B_{\bar{N}}(2N+3110)) + B_{\bar{N}}(2N+3111-B_{\bar{N}}(2N+3109)) + B_{\bar{N}}(2N+3111-B_{\bar{N}}(2N+3108))$$

$$= B_{\bar{N}}(2N+3111-(2N+2527)) + B_{\bar{N}}(2N+3111-(N+3284)) + B_{\bar{N}}(2N+3111-(2N+234))$$

$$= B_{\bar{N}}(584) + B_{\bar{N}}(N-173) + B_{\bar{N}}(2877) = 584 + (N-173) + 2877 = N + 3288$$

$$(N > 2877)$$

$$B_{\bar{N}}(2N+3112) = B_{\bar{N}}(2N+3112-B_{\bar{N}}(2N+3111)) + B_{\bar{N}}(2N+3112-B_{\bar{N}}(2N+3110)) + B_{\bar{N}}(2N+3112-B_{\bar{N}}(2N+3109))$$

$$= B_{\bar{N}}(2N+3112-(N+3288)) + B_{\bar{N}}(2N+3112-(2N+2527)) + B_{\bar{N}}(2N+3112-(N+3284))$$

$$= B_{\bar{N}}(N-176) + B_{\bar{N}}(585) + B_{\bar{N}}(N-172) = (N-176) + 585 + (N-172) = 2N + 237$$

$$(N \ge 585)$$

$$B_{\bar{N}}(2N+3113) = B_{\bar{N}}(2N+3113-B_{\bar{N}}(2N+3112)) + B_{\bar{N}}(2N+3113-B_{\bar{N}}(2N+3111)) + B_{\bar{N}}(2N+3113-B_{\bar{N}}(2N+3110))$$

$$= B_{\bar{N}}(2N+3113-(2N+237)) + B_{\bar{N}}(2N+3113-(N+3288)) + B_{\bar{N}}(2N+3113-(2N+2527))$$

$$= B_{\bar{N}}(2876) + B_{\bar{N}}(N-175) + B_{\bar{N}}(586) = 2876 + (N-175) + 586 = N + 3287$$

$$(N \ge 2876)$$

$$B_{\bar{N}}(2N+3114) = B_{\bar{N}}(2N+3114-B_{\bar{N}}(2N+3113)) + B_{\bar{N}}(2N+3114-B_{\bar{N}}(2N+3112)) + B_{\bar{N}}(2N+3114-B_{\bar{N}}(2N+3111))$$

$$= B_{\bar{N}}(2N+3114-(N+3287)) + B_{\bar{N}}(2N+3114-(2N+237)) + B_{\bar{N}}(2N+3114-(N+3288))$$

$$= B_{\bar{N}}(N-173) + B_{\bar{N}}(2877) + B_{\bar{N}}(N-174) = (N-173) + 2877 + (N-174) = 2N + 2530$$

$$(N \ge 2877)$$

$$B_{\bar{N}}(2N+3115) = B_{\bar{N}}(2N+3115-B_{\bar{N}}(2N+3114)) + B_{\bar{N}}(2N+3115-B_{\bar{N}}(2N+3113)) + B_{\bar{N}}(2N+3115-B_{\bar{N}}(2N+3112))$$

$$= B_{\bar{N}}(2N+3115-(2N+2530)) + B_{\bar{N}}(2N+3115-(N+3287)) + B_{\bar{N}}(2N+3115-(2N+237))$$

$$= B_{\bar{N}}(585) + B_{\bar{N}}(N-172) + B_{\bar{N}}(2878) = 585 + (N-172) + 2878 = N + 3291$$

$$(N \ge 2878)$$

$$B_{\bar{N}}(2N+3116) = B_{\bar{N}}(2N+3116-B_{\bar{N}}(2N+3115)) + B_{\bar{N}}(2N+3116-B_{\bar{N}}(2N+3114)) + B_{\bar{N}}(2N+3116-B_{\bar{N}}(2N+3113))$$

$$= B_{\bar{N}}(2N+3116-(N+3291)) + B_{\bar{N}}(2N+3116-(2N+2530)) + B_{\bar{N}}(2N+3116-(N+3287))$$

$$= B_{\bar{N}}(N-175) + B_{\bar{N}}(586) + B_{\bar{N}}(N-171) = (N-175) + 586 + (N-171) = 2N + 240$$

$$(N \ge 586)$$

$$B_{\bar{N}}(2N+3117) = B_{\bar{N}}(2N+3117 - B_{\bar{N}}(2N+3116)) + B_{\bar{N}}(2N+3117 - B_{\bar{N}}(2N+3115)) + B_{\bar{N}}(2N+3117 - B_{\bar{N}}(2N+3114))$$

$$= B_{\bar{N}}(2N+3117 - (2N+240)) + B_{\bar{N}}(2N+3117 - (N+3291)) + B_{\bar{N}}(2N+3117 - (2N+2530))$$

$$= B_{\bar{N}}(2877) + B_{\bar{N}}(N-174) + B_{\bar{N}}(587) = 2877 + (N-174) + 587 = N + 3290$$

$$(N \ge 2877)$$

$$B_{\bar{N}}(2N+3118) = B_{\bar{N}}(2N+3118-B_{\bar{N}}(2N+3117)) + B_{\bar{N}}(2N+3118-B_{\bar{N}}(2N+3116)) + B_{\bar{N}}(2N+3118-B_{\bar{N}}(2N+3115))$$

$$= B_{\bar{N}}(2N+3118-(N+3290)) + B_{\bar{N}}(2N+3118-(2N+240)) + B_{\bar{N}}(2N+3118-(N+3291))$$

$$= B_{\bar{N}}(N-172) + B_{\bar{N}}(2878) + B_{\bar{N}}(N-173) = (N-172) + 2878 + (N-173) = 2N + 2533$$

$$(N \ge 2878)$$

$$B_{\bar{N}}(2N+3119) = B_{\bar{N}}(2N+3119 - B_{\bar{N}}(2N+3118)) + B_{\bar{N}}(2N+3119 - B_{\bar{N}}(2N+3117)) + B_{\bar{N}}(2N+3119 - B_{\bar{N}}(2N+3116))$$

$$= B_{\bar{N}}(2N+3119 - (2N+2533)) + B_{\bar{N}}(2N+3119 - (N+3290)) + B_{\bar{N}}(2N+3119 - (2N+240))$$

$$= B_{\bar{N}}(586) + B_{\bar{N}}(N-171) + B_{\bar{N}}(2879) = 586 + (N-171) + 2879 = N + 3294$$

$$(N \ge 2879)$$

$$B_{\bar{N}}(2N+3120) = B_{\bar{N}}(2N+3120-B_{\bar{N}}(2N+3119)) + B_{\bar{N}}(2N+3120-B_{\bar{N}}(2N+3118)) + B_{\bar{N}}(2N+3120-B_{\bar{N}}(2N+3117))$$

$$= B_{\bar{N}}(2N+3120-(N+3294)) + B_{\bar{N}}(2N+3120-(2N+2533)) + B_{\bar{N}}(2N+3120-(N+3290))$$

$$= B_{\bar{N}}(N-174) + B_{\bar{N}}(587) + B_{\bar{N}}(N-170) = (N-174) + 587 + (N-170) = 2N + 243$$

$$(N \ge 587)$$

$$B_{\bar{N}}(2N+3121) = B_{\bar{N}}(2N+3121-B_{\bar{N}}(2N+3120)) + B_{\bar{N}}(2N+3121-B_{\bar{N}}(2N+3119)) + B_{\bar{N}}(2N+3121-B_{\bar{N}}(2N+3118))$$

$$= B_{\bar{N}}(2N+3121-(2N+243)) + B_{\bar{N}}(2N+3121-(N+3294)) + B_{\bar{N}}(2N+3121-(2N+2533))$$

$$= B_{\bar{N}}(2878) + B_{\bar{N}}(N-173) + B_{\bar{N}}(588) = 2878 + (N-173) + 588 = N + 3293$$

$$(N > 2878)$$

$$B_{\bar{N}}(2N+3122) = B_{\bar{N}}(2N+3122-B_{\bar{N}}(2N+3121)) + B_{\bar{N}}(2N+3122-B_{\bar{N}}(2N+3120)) + B_{\bar{N}}(2N+3122-B_{\bar{N}}(2N+3119))$$

$$= B_{\bar{N}}(2N+3122-(N+3293)) + B_{\bar{N}}(2N+3122-(2N+243)) + B_{\bar{N}}(2N+3122-(N+3294))$$

$$= B_{\bar{N}}(N-171) + B_{\bar{N}}(2879) + B_{\bar{N}}(N-172) = (N-171) + 2879 + (N-172) = 2N + 2536$$

$$(N \ge 2879)$$

$$B_{\bar{N}}(2N+3123) = B_{\bar{N}}(2N+3123-B_{\bar{N}}(2N+3122)) + B_{\bar{N}}(2N+3123-B_{\bar{N}}(2N+3121)) + B_{\bar{N}}(2N+3123-B_{\bar{N}}(2N+3120))$$

$$= B_{\bar{N}}(2N+3123-(2N+2536)) + B_{\bar{N}}(2N+3123-(N+3293)) + B_{\bar{N}}(2N+3123-(2N+243))$$

$$= B_{\bar{N}}(587) + B_{\bar{N}}(N-170) + B_{\bar{N}}(2880) = 587 + (N-170) + 2880 = N + 3297$$

$$(N \ge 2880)$$

$$B_{\bar{N}}(2N+3124) = B_{\bar{N}}(2N+3124-B_{\bar{N}}(2N+3123)) + B_{\bar{N}}(2N+3124-B_{\bar{N}}(2N+3122)) + B_{\bar{N}}(2N+3124-B_{\bar{N}}(2N+3121))$$

$$= B_{\bar{N}}(2N+3124-(N+3297)) + B_{\bar{N}}(2N+3124-(2N+2536)) + B_{\bar{N}}(2N+3124-(N+3293))$$

$$= B_{\bar{N}}(N-173) + B_{\bar{N}}(588) + B_{\bar{N}}(N-169) = (N-173) + 588 + (N-169) = 2N + 246$$

$$(N \ge 588)$$

$$B_{\bar{N}}(2N+3125) = B_{\bar{N}}(2N+3125-B_{\bar{N}}(2N+3124)) + B_{\bar{N}}(2N+3125-B_{\bar{N}}(2N+3123)) + B_{\bar{N}}(2N+3125-B_{\bar{N}}(2N+3122))$$

$$= B_{\bar{N}}(2N+3125-(2N+246)) + B_{\bar{N}}(2N+3125-(N+3297)) + B_{\bar{N}}(2N+3125-(2N+2536))$$

$$= B_{\bar{N}}(2879) + B_{\bar{N}}(N-172) + B_{\bar{N}}(589) = 2879 + (N-172) + 589 = N + 3296$$

$$(N \ge 2879)$$

$$B_{\bar{N}}(2N+3126) = B_{\bar{N}}(2N+3126-B_{\bar{N}}(2N+3125)) + B_{\bar{N}}(2N+3126-B_{\bar{N}}(2N+3124)) + B_{\bar{N}}(2N+3126-B_{\bar{N}}(2N+3123))$$

$$= B_{\bar{N}}(2N+3126-(N+3296)) + B_{\bar{N}}(2N+3126-(2N+246)) + B_{\bar{N}}(2N+3126-(N+3297))$$

$$= B_{\bar{N}}(N-170) + B_{\bar{N}}(2880) + B_{\bar{N}}(N-171) = (N-170) + 2880 + (N-171) = 2N + 2539$$

$$(N \ge 2880)$$

$$B_{\bar{N}}(2N+3127) = B_{\bar{N}}(2N+3127 - B_{\bar{N}}(2N+3126)) + B_{\bar{N}}(2N+3127 - B_{\bar{N}}(2N+3125)) + B_{\bar{N}}(2N+3127 - B_{\bar{N}}(2N+3124))$$

$$= B_{\bar{N}}(2N+3127 - (2N+2539)) + B_{\bar{N}}(2N+3127 - (N+3296)) + B_{\bar{N}}(2N+3127 - (2N+246))$$

$$= B_{\bar{N}}(588) + B_{\bar{N}}(N-169) + B_{\bar{N}}(2881) = 588 + (N-169) + 2881 = N + 3300$$

$$(N \ge 2881)$$

$$B_{\bar{N}}(2N+3128) = B_{\bar{N}}(2N+3128-B_{\bar{N}}(2N+3127)) + B_{\bar{N}}(2N+3128-B_{\bar{N}}(2N+3126)) + B_{\bar{N}}(2N+3128-B_{\bar{N}}(2N+3125))$$

$$= B_{\bar{N}}(2N+3128-(N+3300)) + B_{\bar{N}}(2N+3128-(2N+2539)) + B_{\bar{N}}(2N+3128-(N+3296))$$

$$= B_{\bar{N}}(N-172) + B_{\bar{N}}(589) + B_{\bar{N}}(N-168) = (N-172) + 589 + (N-168) = 2N + 249$$

$$(N \ge 589)$$

$$B_{\bar{N}}(2N+3129) = B_{\bar{N}}(2N+3129 - B_{\bar{N}}(2N+3128)) + B_{\bar{N}}(2N+3129 - B_{\bar{N}}(2N+3127)) + B_{\bar{N}}(2N+3129 - B_{\bar{N}}(2N+3126))$$

$$= B_{\bar{N}}(2N+3129 - (2N+249)) + B_{\bar{N}}(2N+3129 - (N+3300)) + B_{\bar{N}}(2N+3129 - (2N+2539))$$

$$= B_{\bar{N}}(2880) + B_{\bar{N}}(N-171) + B_{\bar{N}}(590) = 2880 + (N-171) + 590 = N + 3299$$

$$(N \ge 2880)$$

$$B_{\bar{N}}(2N+3130) = B_{\bar{N}}(2N+3130-B_{\bar{N}}(2N+3129)) + B_{\bar{N}}(2N+3130-B_{\bar{N}}(2N+3128)) + B_{\bar{N}}(2N+3130-B_{\bar{N}}(2N+3127))$$

$$= B_{\bar{N}}(2N+3130-(N+3299)) + B_{\bar{N}}(2N+3130-(2N+249)) + B_{\bar{N}}(2N+3130-(N+3300))$$

$$= B_{\bar{N}}(N-169) + B_{\bar{N}}(2881) + B_{\bar{N}}(N-170) = (N-169) + 2881 + (N-170) = 2N + 2542$$

$$(N \ge 2881)$$

$$B_{\bar{N}}(2N+3131) = B_{\bar{N}}(2N+3131-B_{\bar{N}}(2N+3130)) + B_{\bar{N}}(2N+3131-B_{\bar{N}}(2N+3129)) + B_{\bar{N}}(2N+3131-B_{\bar{N}}(2N+3128))$$

$$= B_{\bar{N}}(2N+3131-(2N+2542)) + B_{\bar{N}}(2N+3131-(N+3299)) + B_{\bar{N}}(2N+3131-(2N+249))$$

$$= B_{\bar{N}}(589) + B_{\bar{N}}(N-168) + B_{\bar{N}}(2882) = 589 + (N-168) + 2882 = N + 3303$$

$$(N \ge 2882)$$

$$B_{\bar{N}}(2N+3132) = B_{\bar{N}}(2N+3132-B_{\bar{N}}(2N+3131)) + B_{\bar{N}}(2N+3132-B_{\bar{N}}(2N+3130)) + B_{\bar{N}}(2N+3132-B_{\bar{N}}(2N+3129))$$

$$= B_{\bar{N}}(2N+3132-(N+3303)) + B_{\bar{N}}(2N+3132-(2N+2542)) + B_{\bar{N}}(2N+3132-(N+3299))$$

$$= B_{\bar{N}}(N-171) + B_{\bar{N}}(590) + B_{\bar{N}}(N-167) = (N-171) + 590 + (N-167) = 2N + 252$$

$$(N \ge 590)$$

$$B_{\bar{N}}(2N+3133) = B_{\bar{N}}(2N+3133-B_{\bar{N}}(2N+3132)) + B_{\bar{N}}(2N+3133-B_{\bar{N}}(2N+3131)) + B_{\bar{N}}(2N+3133-B_{\bar{N}}(2N+3130))$$

$$= B_{\bar{N}}(2N+3133-(2N+252)) + B_{\bar{N}}(2N+3133-(N+3303)) + B_{\bar{N}}(2N+3133-(2N+2542))$$

$$= B_{\bar{N}}(2881) + B_{\bar{N}}(N-170) + B_{\bar{N}}(591) = 2881 + (N-170) + 591 = N + 3302$$

$$(N \ge 2881)$$

$$B_{\bar{N}}(2N+3134) = B_{\bar{N}}(2N+3134-B_{\bar{N}}(2N+3133)) + B_{\bar{N}}(2N+3134-B_{\bar{N}}(2N+3132)) + B_{\bar{N}}(2N+3134-B_{\bar{N}}(2N+3131))$$

$$= B_{\bar{N}}(2N+3134-(N+3302)) + B_{\bar{N}}(2N+3134-(2N+252)) + B_{\bar{N}}(2N+3134-(N+3303))$$

$$= B_{\bar{N}}(N-168) + B_{\bar{N}}(2882) + B_{\bar{N}}(N-169) = (N-168) + 2882 + (N-169) = 2N + 2545$$

$$(N \ge 2882)$$

$$B_{\bar{N}}(2N+3135) = B_{\bar{N}}(2N+3135-B_{\bar{N}}(2N+3134)) + B_{\bar{N}}(2N+3135-B_{\bar{N}}(2N+3133)) + B_{\bar{N}}(2N+3135-B_{\bar{N}}(2N+3132))$$

$$= B_{\bar{N}}(2N+3135-(2N+2545)) + B_{\bar{N}}(2N+3135-(N+3302)) + B_{\bar{N}}(2N+3135-(2N+252))$$

$$= B_{\bar{N}}(590) + B_{\bar{N}}(N-167) + B_{\bar{N}}(2883) = 590 + (N-167) + 2883 = N + 3306$$

$$(N \ge 2883)$$

$$B_{\bar{N}}(2N+3136) = B_{\bar{N}}(2N+3136-B_{\bar{N}}(2N+3135)) + B_{\bar{N}}(2N+3136-B_{\bar{N}}(2N+3134)) + B_{\bar{N}}(2N+3136-B_{\bar{N}}(2N+3133))$$

$$= B_{\bar{N}}(2N+3136-(N+3306)) + B_{\bar{N}}(2N+3136-(2N+2545)) + B_{\bar{N}}(2N+3136-(N+3302))$$

$$= B_{\bar{N}}(N-170) + B_{\bar{N}}(591) + B_{\bar{N}}(N-166) = (N-170) + 591 + (N-166) = 2N + 255$$

$$(N > 591)$$

$$B_{\bar{N}}(2N+3137) = B_{\bar{N}}(2N+3137 - B_{\bar{N}}(2N+3136)) + B_{\bar{N}}(2N+3137 - B_{\bar{N}}(2N+3135)) + B_{\bar{N}}(2N+3137 - B_{\bar{N}}(2N+3134))$$

$$= B_{\bar{N}}(2N+3137 - (2N+255)) + B_{\bar{N}}(2N+3137 - (N+3306)) + B_{\bar{N}}(2N+3137 - (2N+2545))$$

$$= B_{\bar{N}}(2882) + B_{\bar{N}}(N-169) + B_{\bar{N}}(592) = 2882 + (N-169) + 592 = N + 3305$$

$$(N \ge 2882)$$

$$B_{\bar{N}}(2N+3138) = B_{\bar{N}}(2N+3138-B_{\bar{N}}(2N+3137)) + B_{\bar{N}}(2N+3138-B_{\bar{N}}(2N+3136)) + B_{\bar{N}}(2N+3138-B_{\bar{N}}(2N+3135))$$

$$= B_{\bar{N}}(2N+3138-(N+3305)) + B_{\bar{N}}(2N+3138-(2N+255)) + B_{\bar{N}}(2N+3138-(N+3306))$$

$$= B_{\bar{N}}(N-167) + B_{\bar{N}}(2883) + B_{\bar{N}}(N-168) = (N-167) + 2883 + (N-168) = 2N + 2548$$

$$(N \ge 2883)$$

$$B_{\bar{N}}(2N+3139) = B_{\bar{N}}(2N+3139 - B_{\bar{N}}(2N+3138)) + B_{\bar{N}}(2N+3139 - B_{\bar{N}}(2N+3137)) + B_{\bar{N}}(2N+3139 - B_{\bar{N}}(2N+3136))$$

$$= B_{\bar{N}}(2N+3139 - (2N+2548)) + B_{\bar{N}}(2N+3139 - (N+3305)) + B_{\bar{N}}(2N+3139 - (2N+255))$$

$$= B_{\bar{N}}(591) + B_{\bar{N}}(N-166) + B_{\bar{N}}(2884) = 591 + (N-166) + 2884 = N + 3309$$

$$(N \ge 2884)$$

$$B_{\bar{N}}(2N+3140) = B_{\bar{N}}(2N+3140-B_{\bar{N}}(2N+3139)) + B_{\bar{N}}(2N+3140-B_{\bar{N}}(2N+3138)) + B_{\bar{N}}(2N+3140-B_{\bar{N}}(2N+3137))$$

$$= B_{\bar{N}}(2N+3140-(N+3309)) + B_{\bar{N}}(2N+3140-(2N+2548)) + B_{\bar{N}}(2N+3140-(N+3305))$$

$$= B_{\bar{N}}(N-169) + B_{\bar{N}}(592) + B_{\bar{N}}(N-165) = (N-169) + 592 + (N-165) = 2N + 258$$

$$(N \ge 592)$$

$$B_{\bar{N}}(2N+3141) = B_{\bar{N}}(2N+3141-B_{\bar{N}}(2N+3140)) + B_{\bar{N}}(2N+3141-B_{\bar{N}}(2N+3139)) + B_{\bar{N}}(2N+3141-B_{\bar{N}}(2N+3138))$$

$$= B_{\bar{N}}(2N+3141-(2N+258)) + B_{\bar{N}}(2N+3141-(N+3309)) + B_{\bar{N}}(2N+3141-(2N+2548))$$

$$= B_{\bar{N}}(2883) + B_{\bar{N}}(N-168) + B_{\bar{N}}(593) = 2883 + (N-168) + 593 = N + 3308$$

$$(N > 2883)$$

$$B_{\bar{N}}(2N+3142) = B_{\bar{N}}(2N+3142-B_{\bar{N}}(2N+3141)) + B_{\bar{N}}(2N+3142-B_{\bar{N}}(2N+3140)) + B_{\bar{N}}(2N+3142-B_{\bar{N}}(2N+3139))$$

$$= B_{\bar{N}}(2N+3142-(N+3308)) + B_{\bar{N}}(2N+3142-(2N+258)) + B_{\bar{N}}(2N+3142-(N+3309))$$

$$= B_{\bar{N}}(N-166) + B_{\bar{N}}(2884) + B_{\bar{N}}(N-167) = (N-166) + 2884 + (N-167) = 2N + 2551$$

$$(N \ge 2884)$$

$$B_{\bar{N}}(2N+3143) = B_{\bar{N}}(2N+3143-B_{\bar{N}}(2N+3142)) + B_{\bar{N}}(2N+3143-B_{\bar{N}}(2N+3141)) + B_{\bar{N}}(2N+3143-B_{\bar{N}}(2N+3140))$$

$$= B_{\bar{N}}(2N+3143-(2N+2551)) + B_{\bar{N}}(2N+3143-(N+3308)) + B_{\bar{N}}(2N+3143-(2N+258))$$

$$= B_{\bar{N}}(592) + B_{\bar{N}}(N-165) + B_{\bar{N}}(2885) = 592 + (N-165) + 2885 = N + 3312$$

$$(N \ge 2885)$$

$$B_{\bar{N}}(2N+3144) = B_{\bar{N}}(2N+3144-B_{\bar{N}}(2N+3143)) + B_{\bar{N}}(2N+3144-B_{\bar{N}}(2N+3142)) + B_{\bar{N}}(2N+3144-B_{\bar{N}}(2N+3141))$$

$$= B_{\bar{N}}(2N+3144-(N+3312)) + B_{\bar{N}}(2N+3144-(2N+2551)) + B_{\bar{N}}(2N+3144-(N+3308))$$

$$= B_{\bar{N}}(N-168) + B_{\bar{N}}(593) + B_{\bar{N}}(N-164) = (N-168) + 593 + (N-164) = 2N + 261$$

$$(N \ge 593)$$

$$B_{\bar{N}}(2N+3145) = B_{\bar{N}}(2N+3145-B_{\bar{N}}(2N+3144)) + B_{\bar{N}}(2N+3145-B_{\bar{N}}(2N+3143)) + B_{\bar{N}}(2N+3145-B_{\bar{N}}(2N+3142))$$

$$= B_{\bar{N}}(2N+3145-(2N+261)) + B_{\bar{N}}(2N+3145-(N+3312)) + B_{\bar{N}}(2N+3145-(2N+2551))$$

$$= B_{\bar{N}}(2884) + B_{\bar{N}}(N-167) + B_{\bar{N}}(594) = 2884 + (N-167) + 594 = N + 3311$$

$$(N \ge 2884)$$

$$B_{\bar{N}}(2N+3146) = B_{\bar{N}}(2N+3146 - B_{\bar{N}}(2N+3145)) + B_{\bar{N}}(2N+3146 - B_{\bar{N}}(2N+3144)) + B_{\bar{N}}(2N+3146 - B_{\bar{N}}(2N+3143))$$

$$= B_{\bar{N}}(2N+3146 - (N+3311)) + B_{\bar{N}}(2N+3146 - (2N+261)) + B_{\bar{N}}(2N+3146 - (N+3312))$$

$$= B_{\bar{N}}(N-165) + B_{\bar{N}}(2885) + B_{\bar{N}}(N-166) = (N-165) + 2885 + (N-166) = 2N + 2554$$

$$(N \ge 2885)$$

$$B_{\bar{N}}(2N+3147) = B_{\bar{N}}(2N+3147-B_{\bar{N}}(2N+3146)) + B_{\bar{N}}(2N+3147-B_{\bar{N}}(2N+3145)) + B_{\bar{N}}(2N+3147-B_{\bar{N}}(2N+3144))$$

$$= B_{\bar{N}}(2N+3147-(2N+2554)) + B_{\bar{N}}(2N+3147-(N+3311)) + B_{\bar{N}}(2N+3147-(2N+261))$$

$$= B_{\bar{N}}(593) + B_{\bar{N}}(N-164) + B_{\bar{N}}(2886) = 593 + (N-164) + 2886 = N+3315$$

$$(N \ge 2886)$$

$$B_{\bar{N}}(2N+3148) = B_{\bar{N}}(2N+3148-B_{\bar{N}}(2N+3147)) + B_{\bar{N}}(2N+3148-B_{\bar{N}}(2N+3146)) + B_{\bar{N}}(2N+3148-B_{\bar{N}}(2N+3145))$$

$$= B_{\bar{N}}(2N+3148-(N+3315)) + B_{\bar{N}}(2N+3148-(2N+2554)) + B_{\bar{N}}(2N+3148-(N+3311))$$

$$= B_{\bar{N}}(N-167) + B_{\bar{N}}(594) + B_{\bar{N}}(N-163) = (N-167) + 594 + (N-163) = 2N + 264$$

$$(N \ge 594)$$

$$B_{\bar{N}}(2N+3149) = B_{\bar{N}}(2N+3149-B_{\bar{N}}(2N+3148)) + B_{\bar{N}}(2N+3149-B_{\bar{N}}(2N+3147)) + B_{\bar{N}}(2N+3149-B_{\bar{N}}(2N+3146))$$

$$= B_{\bar{N}}(2N+3149-(2N+264)) + B_{\bar{N}}(2N+3149-(N+3315)) + B_{\bar{N}}(2N+3149-(2N+2554))$$

$$= B_{\bar{N}}(2885) + B_{\bar{N}}(N-166) + B_{\bar{N}}(595) = 2885 + (N-166) + 595 = N + 3314$$

$$(N \ge 2885)$$

$$B_{\bar{N}}(2N+3150) = B_{\bar{N}}(2N+3150-B_{\bar{N}}(2N+3149)) + B_{\bar{N}}(2N+3150-B_{\bar{N}}(2N+3148)) + B_{\bar{N}}(2N+3150-B_{\bar{N}}(2N+3147))$$

$$= B_{\bar{N}}(2N+3150-(N+3314)) + B_{\bar{N}}(2N+3150-(2N+264)) + B_{\bar{N}}(2N+3150-(N+3315))$$

$$= B_{\bar{N}}(N-164) + B_{\bar{N}}(2886) + B_{\bar{N}}(N-165) = (N-164) + 2886 + (N-165) = 2N + 2557$$

$$(N \ge 2886)$$

$$B_{\bar{N}}(2N+3151) = B_{\bar{N}}(2N+3151 - B_{\bar{N}}(2N+3150)) + B_{\bar{N}}(2N+3151 - B_{\bar{N}}(2N+3149)) + B_{\bar{N}}(2N+3151 - B_{\bar{N}}(2N+3148))$$

$$= B_{\bar{N}}(2N+3151 - (2N+2557)) + B_{\bar{N}}(2N+3151 - (N+3314)) + B_{\bar{N}}(2N+3151 - (2N+264))$$

$$= B_{\bar{N}}(594) + B_{\bar{N}}(N-163) + B_{\bar{N}}(2887) = 594 + (N-163) + 2887 = N + 3318$$

$$(N \ge 2887)$$

$$B_{\bar{N}}(2N+3152) = B_{\bar{N}}(2N+3152-B_{\bar{N}}(2N+3151)) + B_{\bar{N}}(2N+3152-B_{\bar{N}}(2N+3150)) + B_{\bar{N}}(2N+3152-B_{\bar{N}}(2N+3149))$$

$$= B_{\bar{N}}(2N+3152-(N+3318)) + B_{\bar{N}}(2N+3152-(2N+2557)) + B_{\bar{N}}(2N+3152-(N+3314))$$

$$= B_{\bar{N}}(N-166) + B_{\bar{N}}(595) + B_{\bar{N}}(N-162) = (N-166) + 595 + (N-162) = 2N + 267$$

$$(N \ge 595)$$

$$B_{\bar{N}}(2N+3153) = B_{\bar{N}}(2N+3153-B_{\bar{N}}(2N+3152)) + B_{\bar{N}}(2N+3153-B_{\bar{N}}(2N+3151)) + B_{\bar{N}}(2N+3153-B_{\bar{N}}(2N+3150))$$

$$= B_{\bar{N}}(2N+3153-(2N+267)) + B_{\bar{N}}(2N+3153-(N+3318)) + B_{\bar{N}}(2N+3153-(2N+2557))$$

$$= B_{\bar{N}}(2886) + B_{\bar{N}}(N-165) + B_{\bar{N}}(596) = 2886 + (N-165) + 596 = N+3317$$

$$(N \ge 2886)$$

$$B_{\bar{N}}(2N+3154) = B_{\bar{N}}(2N+3154-B_{\bar{N}}(2N+3153)) + B_{\bar{N}}(2N+3154-B_{\bar{N}}(2N+3152)) + B_{\bar{N}}(2N+3154-B_{\bar{N}}(2N+3151))$$

$$= B_{\bar{N}}(2N+3154-(N+3317)) + B_{\bar{N}}(2N+3154-(2N+267)) + B_{\bar{N}}(2N+3154-(N+3318))$$

$$= B_{\bar{N}}(N-163) + B_{\bar{N}}(2887) + B_{\bar{N}}(N-164) = (N-163) + 2887 + (N-164) = 2N + 2560$$

$$(N \ge 2887)$$

$$B_{\bar{N}}(2N+3155) = B_{\bar{N}}(2N+3155-B_{\bar{N}}(2N+3154)) + B_{\bar{N}}(2N+3155-B_{\bar{N}}(2N+3153)) + B_{\bar{N}}(2N+3155-B_{\bar{N}}(2N+3152))$$

$$= B_{\bar{N}}(2N+3155-(2N+2560)) + B_{\bar{N}}(2N+3155-(N+3317)) + B_{\bar{N}}(2N+3155-(2N+267))$$

$$= B_{\bar{N}}(595) + B_{\bar{N}}(N-162) + B_{\bar{N}}(2888) = 595 + (N-162) + 2888 = N + 3321$$

$$(N \ge 2888)$$

$$B_{\bar{N}}(2N+3156) = B_{\bar{N}}(2N+3156-B_{\bar{N}}(2N+3155)) + B_{\bar{N}}(2N+3156-B_{\bar{N}}(2N+3154)) + B_{\bar{N}}(2N+3156-B_{\bar{N}}(2N+3153))$$

$$= B_{\bar{N}}(2N+3156-(N+3321)) + B_{\bar{N}}(2N+3156-(2N+2560)) + B_{\bar{N}}(2N+3156-(N+3317))$$

$$= B_{\bar{N}}(N-165) + B_{\bar{N}}(596) + B_{\bar{N}}(N-161) = (N-165) + 596 + (N-161) = 2N + 270$$

$$(N > 596)$$

$$B_{\bar{N}}(2N+3157) = B_{\bar{N}}(2N+3157 - B_{\bar{N}}(2N+3156)) + B_{\bar{N}}(2N+3157 - B_{\bar{N}}(2N+3155)) + B_{\bar{N}}(2N+3157 - B_{\bar{N}}(2N+3154))$$

$$= B_{\bar{N}}(2N+3157 - (2N+270)) + B_{\bar{N}}(2N+3157 - (N+3321)) + B_{\bar{N}}(2N+3157 - (2N+2560))$$

$$= B_{\bar{N}}(2887) + B_{\bar{N}}(N-164) + B_{\bar{N}}(597) = 2887 + (N-164) + 597 = N + 3320$$

$$(N \ge 2887)$$

$$B_{\bar{N}}(2N+3158) = B_{\bar{N}}(2N+3158-B_{\bar{N}}(2N+3157)) + B_{\bar{N}}(2N+3158-B_{\bar{N}}(2N+3156)) + B_{\bar{N}}(2N+3158-B_{\bar{N}}(2N+3155))$$

$$= B_{\bar{N}}(2N+3158-(N+3320)) + B_{\bar{N}}(2N+3158-(2N+270)) + B_{\bar{N}}(2N+3158-(N+3321))$$

$$= B_{\bar{N}}(N-162) + B_{\bar{N}}(2888) + B_{\bar{N}}(N-163) = (N-162) + 2888 + (N-163) = 2N + 2563$$

$$(N \ge 2888)$$

$$B_{\bar{N}}(2N+3159) = B_{\bar{N}}(2N+3159 - B_{\bar{N}}(2N+3158)) + B_{\bar{N}}(2N+3159 - B_{\bar{N}}(2N+3157)) + B_{\bar{N}}(2N+3159 - B_{\bar{N}}(2N+3156))$$

$$= B_{\bar{N}}(2N+3159 - (2N+2563)) + B_{\bar{N}}(2N+3159 - (N+3320)) + B_{\bar{N}}(2N+3159 - (2N+270))$$

$$= B_{\bar{N}}(596) + B_{\bar{N}}(N-161) + B_{\bar{N}}(2889) = 596 + (N-161) + 2889 = N + 3324$$

$$(N \ge 2889)$$

$$B_{\bar{N}}(2N+3160) = B_{\bar{N}}(2N+3160-B_{\bar{N}}(2N+3159)) + B_{\bar{N}}(2N+3160-B_{\bar{N}}(2N+3158)) + B_{\bar{N}}(2N+3160-B_{\bar{N}}(2N+3157))$$

$$= B_{\bar{N}}(2N+3160-(N+3324)) + B_{\bar{N}}(2N+3160-(2N+2563)) + B_{\bar{N}}(2N+3160-(N+3320))$$

$$= B_{\bar{N}}(N-164) + B_{\bar{N}}(597) + B_{\bar{N}}(N-160) = (N-164) + 597 + (N-160) = 2N + 273$$

$$(N \ge 597)$$

$$B_{\bar{N}}(2N+3161) = B_{\bar{N}}(2N+3161-B_{\bar{N}}(2N+3160)) + B_{\bar{N}}(2N+3161-B_{\bar{N}}(2N+3159)) + B_{\bar{N}}(2N+3161-B_{\bar{N}}(2N+3158))$$

$$= B_{\bar{N}}(2N+3161-(2N+273)) + B_{\bar{N}}(2N+3161-(N+3324)) + B_{\bar{N}}(2N+3161-(2N+2563))$$

$$= B_{\bar{N}}(2888) + B_{\bar{N}}(N-163) + B_{\bar{N}}(598) = 2888 + (N-163) + 598 = N + 3323$$

$$(N \ge 2888)$$

$$B_{\bar{N}}(2N+3162) = B_{\bar{N}}(2N+3162-B_{\bar{N}}(2N+3161)) + B_{\bar{N}}(2N+3162-B_{\bar{N}}(2N+3160)) + B_{\bar{N}}(2N+3162-B_{\bar{N}}(2N+3159))$$

$$= B_{\bar{N}}(2N+3162-(N+3323)) + B_{\bar{N}}(2N+3162-(2N+273)) + B_{\bar{N}}(2N+3162-(N+3324))$$

$$= B_{\bar{N}}(N-161) + B_{\bar{N}}(2889) + B_{\bar{N}}(N-162) = (N-161) + 2889 + (N-162) = 2N + 2566$$

$$(N \ge 2889)$$

$$B_{\bar{N}}(2N+3163) = B_{\bar{N}}(2N+3163-B_{\bar{N}}(2N+3162)) + B_{\bar{N}}(2N+3163-B_{\bar{N}}(2N+3161)) + B_{\bar{N}}(2N+3163-B_{\bar{N}}(2N+3160))$$

$$= B_{\bar{N}}(2N+3163-(2N+2566)) + B_{\bar{N}}(2N+3163-(N+3323)) + B_{\bar{N}}(2N+3163-(2N+273))$$

$$= B_{\bar{N}}(597) + B_{\bar{N}}(N-160) + B_{\bar{N}}(2890) = 597 + (N-160) + 2890 = N + 3327$$

$$(N \ge 2890)$$

$$B_{\bar{N}}(2N+3164) = B_{\bar{N}}(2N+3164-B_{\bar{N}}(2N+3163)) + B_{\bar{N}}(2N+3164-B_{\bar{N}}(2N+3162)) + B_{\bar{N}}(2N+3164-B_{\bar{N}}(2N+3161))$$

$$= B_{\bar{N}}(2N+3164-(N+3327)) + B_{\bar{N}}(2N+3164-(2N+2566)) + B_{\bar{N}}(2N+3164-(N+3323))$$

$$= B_{\bar{N}}(N-163) + B_{\bar{N}}(598) + B_{\bar{N}}(N-159) = (N-163) + 598 + (N-159) = 2N + 276$$

$$(N \ge 598)$$

$$B_{\bar{N}}(2N+3165) = B_{\bar{N}}(2N+3165-B_{\bar{N}}(2N+3164)) + B_{\bar{N}}(2N+3165-B_{\bar{N}}(2N+3163)) + B_{\bar{N}}(2N+3165-B_{\bar{N}}(2N+3162))$$

$$= B_{\bar{N}}(2N+3165-(2N+276)) + B_{\bar{N}}(2N+3165-(N+3327)) + B_{\bar{N}}(2N+3165-(2N+2566))$$

$$= B_{\bar{N}}(2889) + B_{\bar{N}}(N-162) + B_{\bar{N}}(599) = 2889 + (N-162) + 599 = N + 3326$$

$$(N \ge 2889)$$

$$B_{\bar{N}}(2N+3166) = B_{\bar{N}}(2N+3166-B_{\bar{N}}(2N+3165)) + B_{\bar{N}}(2N+3166-B_{\bar{N}}(2N+3164)) + B_{\bar{N}}(2N+3166-B_{\bar{N}}(2N+3163))$$

$$= B_{\bar{N}}(2N+3166-(N+3326)) + B_{\bar{N}}(2N+3166-(2N+276)) + B_{\bar{N}}(2N+3166-(N+3327))$$

$$= B_{\bar{N}}(N-160) + B_{\bar{N}}(2890) + B_{\bar{N}}(N-161) = (N-160) + 2890 + (N-161) = 2N + 2569$$

$$(N \ge 2890)$$

$$B_{\bar{N}}(2N+3167) = B_{\bar{N}}(2N+3167 - B_{\bar{N}}(2N+3166)) + B_{\bar{N}}(2N+3167 - B_{\bar{N}}(2N+3165)) + B_{\bar{N}}(2N+3167 - B_{\bar{N}}(2N+3164))$$

$$= B_{\bar{N}}(2N+3167 - (2N+2569)) + B_{\bar{N}}(2N+3167 - (N+3326)) + B_{\bar{N}}(2N+3167 - (2N+276))$$

$$= B_{\bar{N}}(598) + B_{\bar{N}}(N-159) + B_{\bar{N}}(2891) = 598 + (N-159) + 2891 = N + 3330$$

$$(N \ge 2891)$$

$$B_{\bar{N}}(2N+3168) = B_{\bar{N}}(2N+3168-B_{\bar{N}}(2N+3167)) + B_{\bar{N}}(2N+3168-B_{\bar{N}}(2N+3166)) + B_{\bar{N}}(2N+3168-B_{\bar{N}}(2N+3165))$$

$$= B_{\bar{N}}(2N+3168-(N+3330)) + B_{\bar{N}}(2N+3168-(2N+2569)) + B_{\bar{N}}(2N+3168-(N+3326))$$

$$= B_{\bar{N}}(N-162) + B_{\bar{N}}(599) + B_{\bar{N}}(N-158) = (N-162) + 599 + (N-158) = 2N + 279$$

$$(N \ge 599)$$

$$B_{\bar{N}}(2N+3169) = B_{\bar{N}}(2N+3169 - B_{\bar{N}}(2N+3168)) + B_{\bar{N}}(2N+3169 - B_{\bar{N}}(2N+3167)) + B_{\bar{N}}(2N+3169 - B_{\bar{N}}(2N+3166))$$

$$= B_{\bar{N}}(2N+3169 - (2N+279)) + B_{\bar{N}}(2N+3169 - (N+3330)) + B_{\bar{N}}(2N+3169 - (2N+2569))$$

$$= B_{\bar{N}}(2890) + B_{\bar{N}}(N-161) + B_{\bar{N}}(600) = 2890 + (N-161) + 600 = N + 3329$$

$$(N \ge 2890)$$

$$B_{\bar{N}}(2N+3170) = B_{\bar{N}}(2N+3170 - B_{\bar{N}}(2N+3169)) + B_{\bar{N}}(2N+3170 - B_{\bar{N}}(2N+3168)) + B_{\bar{N}}(2N+3170 - B_{\bar{N}}(2N+3167))$$

$$= B_{\bar{N}}(2N+3170 - (N+3329)) + B_{\bar{N}}(2N+3170 - (2N+279)) + B_{\bar{N}}(2N+3170 - (N+3330))$$

$$= B_{\bar{N}}(N-159) + B_{\bar{N}}(2891) + B_{\bar{N}}(N-160) = (N-159) + 2891 + (N-160) = 2N + 2572$$

$$(N \ge 2891)$$

$$B_{\bar{N}}(2N+3171) = B_{\bar{N}}(2N+3171 - B_{\bar{N}}(2N+3170)) + B_{\bar{N}}(2N+3171 - B_{\bar{N}}(2N+3169)) + B_{\bar{N}}(2N+3171 - B_{\bar{N}}(2N+3168))$$

$$= B_{\bar{N}}(2N+3171 - (2N+2572)) + B_{\bar{N}}(2N+3171 - (N+3329)) + B_{\bar{N}}(2N+3171 - (2N+279))$$

$$= B_{\bar{N}}(599) + B_{\bar{N}}(N-158) + B_{\bar{N}}(2892) = 599 + (N-158) + 2892 = N + 3333$$

$$(N \ge 2892)$$

$$B_{\bar{N}}(2N+3172) = B_{\bar{N}}(2N+3172 - B_{\bar{N}}(2N+3171)) + B_{\bar{N}}(2N+3172 - B_{\bar{N}}(2N+3170)) + B_{\bar{N}}(2N+3172 - B_{\bar{N}}(2N+3169))$$

$$= B_{\bar{N}}(2N+3172 - (N+3333)) + B_{\bar{N}}(2N+3172 - (2N+2572)) + B_{\bar{N}}(2N+3172 - (N+3329))$$

$$= B_{\bar{N}}(N-161) + B_{\bar{N}}(600) + B_{\bar{N}}(N-157) = (N-161) + 600 + (N-157) = 2N + 282$$

$$(N \ge 600)$$

$$B_{\bar{N}}(2N+3173) = B_{\bar{N}}(2N+3173-B_{\bar{N}}(2N+3172)) + B_{\bar{N}}(2N+3173-B_{\bar{N}}(2N+3171)) + B_{\bar{N}}(2N+3173-B_{\bar{N}}(2N+3170))$$

$$= B_{\bar{N}}(2N+3173-(2N+282)) + B_{\bar{N}}(2N+3173-(N+3333)) + B_{\bar{N}}(2N+3173-(2N+2572))$$

$$= B_{\bar{N}}(2891) + B_{\bar{N}}(N-160) + B_{\bar{N}}(601) = 2891 + (N-160) + 601 = N + 3332$$

$$(N \ge 2891)$$

$$B_{\bar{N}}(2N+3174) = B_{\bar{N}}(2N+3174 - B_{\bar{N}}(2N+3173)) + B_{\bar{N}}(2N+3174 - B_{\bar{N}}(2N+3172)) + B_{\bar{N}}(2N+3174 - B_{\bar{N}}(2N+3171))$$

$$= B_{\bar{N}}(2N+3174 - (N+3332)) + B_{\bar{N}}(2N+3174 - (2N+282)) + B_{\bar{N}}(2N+3174 - (N+3333))$$

$$= B_{\bar{N}}(N-158) + B_{\bar{N}}(2892) + B_{\bar{N}}(N-159) = (N-158) + 2892 + (N-159) = 2N + 2575$$

$$(N \ge 2892)$$

$$B_{\bar{N}}(2N+3175) = B_{\bar{N}}(2N+3175-B_{\bar{N}}(2N+3174)) + B_{\bar{N}}(2N+3175-B_{\bar{N}}(2N+3173)) + B_{\bar{N}}(2N+3175-B_{\bar{N}}(2N+3172))$$

$$= B_{\bar{N}}(2N+3175-(2N+2575)) + B_{\bar{N}}(2N+3175-(N+3332)) + B_{\bar{N}}(2N+3175-(2N+282))$$

$$= B_{\bar{N}}(600) + B_{\bar{N}}(N-157) + B_{\bar{N}}(2893) = 600 + (N-157) + 2893 = N + 3336$$

$$(N \ge 2893)$$

$$B_{\bar{N}}(2N+3176) = B_{\bar{N}}(2N+3176-B_{\bar{N}}(2N+3175)) + B_{\bar{N}}(2N+3176-B_{\bar{N}}(2N+3174)) + B_{\bar{N}}(2N+3176-B_{\bar{N}}(2N+3173))$$

$$= B_{\bar{N}}(2N+3176-(N+3336)) + B_{\bar{N}}(2N+3176-(2N+2575)) + B_{\bar{N}}(2N+3176-(N+3332))$$

$$= B_{\bar{N}}(N-160) + B_{\bar{N}}(601) + B_{\bar{N}}(N-156) = (N-160) + 601 + (N-156) = 2N + 285$$

$$(N > 601)$$

$$B_{\bar{N}}(2N+3177) = B_{\bar{N}}(2N+3177 - B_{\bar{N}}(2N+3176)) + B_{\bar{N}}(2N+3177 - B_{\bar{N}}(2N+3175)) + B_{\bar{N}}(2N+3177 - B_{\bar{N}}(2N+3174))$$

$$= B_{\bar{N}}(2N+3177 - (2N+285)) + B_{\bar{N}}(2N+3177 - (N+3336)) + B_{\bar{N}}(2N+3177 - (2N+2575))$$

$$= B_{\bar{N}}(2892) + B_{\bar{N}}(N-159) + B_{\bar{N}}(602) = 2892 + (N-159) + 602 = N+3335$$

$$(N > 2892)$$

$$B_{\bar{N}}(2N+3178) = B_{\bar{N}}(2N+3178-B_{\bar{N}}(2N+3177)) + B_{\bar{N}}(2N+3178-B_{\bar{N}}(2N+3176)) + B_{\bar{N}}(2N+3178-B_{\bar{N}}(2N+3175)) = B_{\bar{N}}(2N+3178-(N+3335)) + B_{\bar{N}}(2N+3178-(2N+285)) + B_{\bar{N}}(2N+3178-(N+3336)) = B_{\bar{N}}(N-157) + B_{\bar{N}}(2893) + B_{\bar{N}}(N-158) = (N-157) + 2893 + (N-158) = 2N + 2578 (N \ge 2893)$$

$$B_{\bar{N}}(2N+3179) = B_{\bar{N}}(2N+3179 - B_{\bar{N}}(2N+3178)) + B_{\bar{N}}(2N+3179 - B_{\bar{N}}(2N+3177)) + B_{\bar{N}}(2N+3179 - B_{\bar{N}}(2N+3176))$$

$$= B_{\bar{N}}(2N+3179 - (2N+2578)) + B_{\bar{N}}(2N+3179 - (N+3335)) + B_{\bar{N}}(2N+3179 - (2N+285))$$

$$= B_{\bar{N}}(601) + B_{\bar{N}}(N-156) + B_{\bar{N}}(2894) = 601 + (N-156) + 2894 = N + 3339$$

$$(N \ge 2894)$$

$$B_{\bar{N}}(2N+3180) = B_{\bar{N}}(2N+3180 - B_{\bar{N}}(2N+3179)) + B_{\bar{N}}(2N+3180 - B_{\bar{N}}(2N+3178)) + B_{\bar{N}}(2N+3180 - B_{\bar{N}}(2N+3177))$$

$$= B_{\bar{N}}(2N+3180 - (N+3339)) + B_{\bar{N}}(2N+3180 - (2N+2578)) + B_{\bar{N}}(2N+3180 - (N+3335))$$

$$= B_{\bar{N}}(N-159) + B_{\bar{N}}(602) + B_{\bar{N}}(N-155) = (N-159) + 602 + (N-155) = 2N + 288$$

$$(N \ge 602)$$

$$B_{\bar{N}}(2N+3181) = B_{\bar{N}}(2N+3181-B_{\bar{N}}(2N+3180)) + B_{\bar{N}}(2N+3181-B_{\bar{N}}(2N+3179)) + B_{\bar{N}}(2N+3181-B_{\bar{N}}(2N+3178))$$

$$= B_{\bar{N}}(2N+3181-(2N+288)) + B_{\bar{N}}(2N+3181-(N+3339)) + B_{\bar{N}}(2N+3181-(2N+2578))$$

$$= B_{\bar{N}}(2893) + B_{\bar{N}}(N-158) + B_{\bar{N}}(603) = 2893 + (N-158) + 603 = N + 3338$$

$$(N > 2893)$$

$$B_{\bar{N}}(2N+3182) = B_{\bar{N}}(2N+3182-B_{\bar{N}}(2N+3181)) + B_{\bar{N}}(2N+3182-B_{\bar{N}}(2N+3180)) + B_{\bar{N}}(2N+3182-B_{\bar{N}}(2N+3179))$$

$$= B_{\bar{N}}(2N+3182-(N+3338)) + B_{\bar{N}}(2N+3182-(2N+288)) + B_{\bar{N}}(2N+3182-(N+3339))$$

$$= B_{\bar{N}}(N-156) + B_{\bar{N}}(2894) + B_{\bar{N}}(N-157) = (N-156) + 2894 + (N-157) = 2N + 2581$$

$$(N \ge 2894)$$

$$B_{\bar{N}}(2N+3183) = B_{\bar{N}}(2N+3183 - B_{\bar{N}}(2N+3182)) + B_{\bar{N}}(2N+3183 - B_{\bar{N}}(2N+3181)) + B_{\bar{N}}(2N+3183 - B_{\bar{N}}(2N+3180))$$

$$= B_{\bar{N}}(2N+3183 - (2N+2581)) + B_{\bar{N}}(2N+3183 - (N+3338)) + B_{\bar{N}}(2N+3183 - (2N+288))$$

$$= B_{\bar{N}}(602) + B_{\bar{N}}(N-155) + B_{\bar{N}}(2895) = 602 + (N-155) + 2895 = N + 3342$$

$$(N \ge 2895)$$

$$B_{\bar{N}}(2N+3184) = B_{\bar{N}}(2N+3184-B_{\bar{N}}(2N+3183)) + B_{\bar{N}}(2N+3184-B_{\bar{N}}(2N+3182)) + B_{\bar{N}}(2N+3184-B_{\bar{N}}(2N+3181))$$

$$= B_{\bar{N}}(2N+3184-(N+3342)) + B_{\bar{N}}(2N+3184-(2N+2581)) + B_{\bar{N}}(2N+3184-(N+3338))$$

$$= B_{\bar{N}}(N-158) + B_{\bar{N}}(603) + B_{\bar{N}}(N-154) = (N-158) + 603 + (N-154) = 2N + 291$$

$$(N \ge 603)$$

$$B_{\bar{N}}(2N+3185) = B_{\bar{N}}(2N+3185-B_{\bar{N}}(2N+3184)) + B_{\bar{N}}(2N+3185-B_{\bar{N}}(2N+3183)) + B_{\bar{N}}(2N+3185-B_{\bar{N}}(2N+3182))$$

$$= B_{\bar{N}}(2N+3185-(2N+291)) + B_{\bar{N}}(2N+3185-(N+3342)) + B_{\bar{N}}(2N+3185-(2N+2581))$$

$$= B_{\bar{N}}(2894) + B_{\bar{N}}(N-157) + B_{\bar{N}}(604) = 2894 + (N-157) + 604 = N + 3341$$

$$(N \ge 2894)$$

$$B_{\bar{N}}(2N+3186) = B_{\bar{N}}(2N+3186-B_{\bar{N}}(2N+3185)) + B_{\bar{N}}(2N+3186-B_{\bar{N}}(2N+3184)) + B_{\bar{N}}(2N+3186-B_{\bar{N}}(2N+3183))$$

$$= B_{\bar{N}}(2N+3186-(N+3341)) + B_{\bar{N}}(2N+3186-(2N+291)) + B_{\bar{N}}(2N+3186-(N+3342))$$

$$= B_{\bar{N}}(N-155) + B_{\bar{N}}(2895) + B_{\bar{N}}(N-156) = (N-155) + 2895 + (N-156) = 2N + 2584$$

$$(N \ge 2895)$$

$$B_{\bar{N}}(2N+3187) = B_{\bar{N}}(2N+3187 - B_{\bar{N}}(2N+3186)) + B_{\bar{N}}(2N+3187 - B_{\bar{N}}(2N+3185)) + B_{\bar{N}}(2N+3187 - B_{\bar{N}}(2N+3184))$$

$$= B_{\bar{N}}(2N+3187 - (2N+2584)) + B_{\bar{N}}(2N+3187 - (N+3341)) + B_{\bar{N}}(2N+3187 - (2N+291))$$

$$= B_{\bar{N}}(603) + B_{\bar{N}}(N-154) + B_{\bar{N}}(2896) = 603 + (N-154) + 2896 = N + 3345$$

$$(N \ge 2896)$$

$$B_{\bar{N}}(2N+3188) = B_{\bar{N}}(2N+3188-B_{\bar{N}}(2N+3187)) + B_{\bar{N}}(2N+3188-B_{\bar{N}}(2N+3186)) + B_{\bar{N}}(2N+3188-B_{\bar{N}}(2N+3185))$$

$$= B_{\bar{N}}(2N+3188-(N+3345)) + B_{\bar{N}}(2N+3188-(2N+2584)) + B_{\bar{N}}(2N+3188-(N+3341))$$

$$= B_{\bar{N}}(N-157) + B_{\bar{N}}(604) + B_{\bar{N}}(N-153) = (N-157) + 604 + (N-153) = 2N + 294$$

$$(N \ge 604)$$

$$B_{\bar{N}}(2N+3189) = B_{\bar{N}}(2N+3189 - B_{\bar{N}}(2N+3188)) + B_{\bar{N}}(2N+3189 - B_{\bar{N}}(2N+3187)) + B_{\bar{N}}(2N+3189 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3190) = B_{\bar{N}}(2N+3190-B_{\bar{N}}(2N+3189)) + B_{\bar{N}}(2N+3190-B_{\bar{N}}(2N+3188)) + B_{\bar{N}}(2N+3190-B_{\bar{N}}(2N+3187))$$

$$= B_{\bar{N}}(2N+3190-(N+3344)) + B_{\bar{N}}(2N+3190-(2N+294)) + B_{\bar{N}}(2N+3190-(N+3345))$$

$$= B_{\bar{N}}(N-154) + B_{\bar{N}}(2896) + B_{\bar{N}}(N-155) = (N-154) + 2896 + (N-155) = 2N + 2587$$

$$(N \ge 2896)$$

$$B_{\bar{N}}(2N+3191) = B_{\bar{N}}(2N+3191-B_{\bar{N}}(2N+3190)) + B_{\bar{N}}(2N+3191-B_{\bar{N}}(2N+3189)) + B_{\bar{N}}(2N+3191-B_{\bar{N}}(2N+3188))$$

$$= B_{\bar{N}}(2N+3191-(2N+2587)) + B_{\bar{N}}(2N+3191-(N+3344)) + B_{\bar{N}}(2N+3191-(2N+294))$$

$$= B_{\bar{N}}(604) + B_{\bar{N}}(N-153) + B_{\bar{N}}(2897) = 604 + (N-153) + 2897 = N + 3348$$

$$(N \ge 2897)$$

$$B_{\bar{N}}(2N+3192) = B_{\bar{N}}(2N+3192-B_{\bar{N}}(2N+3191)) + B_{\bar{N}}(2N+3192-B_{\bar{N}}(2N+3190)) + B_{\bar{N}}(2N+3192-B_{\bar{N}}(2N+3189))$$

$$= B_{\bar{N}}(2N+3192-(N+3348)) + B_{\bar{N}}(2N+3192-(2N+2587)) + B_{\bar{N}}(2N+3192-(N+3344))$$

$$= B_{\bar{N}}(N-156) + B_{\bar{N}}(605) + B_{\bar{N}}(N-152) = (N-156) + 605 + (N-152) = 2N + 297$$

$$(N \ge 605)$$

$$B_{\bar{N}}(2N+3193) = B_{\bar{N}}(2N+3193-B_{\bar{N}}(2N+3192)) + B_{\bar{N}}(2N+3193-B_{\bar{N}}(2N+3191)) + B_{\bar{N}}(2N+3193-B_{\bar{N}}(2N+3190))$$

$$= B_{\bar{N}}(2N+3193-(2N+297)) + B_{\bar{N}}(2N+3193-(N+3348)) + B_{\bar{N}}(2N+3193-(2N+2587))$$

$$= B_{\bar{N}}(2896) + B_{\bar{N}}(N-155) + B_{\bar{N}}(606) = 2896 + (N-155) + 606 = N+3347$$

$$(N \ge 2896)$$

$$B_{\bar{N}}(2N+3194) = B_{\bar{N}}(2N+3194 - B_{\bar{N}}(2N+3193)) + B_{\bar{N}}(2N+3194 - B_{\bar{N}}(2N+3192)) + B_{\bar{N}}(2N+3194 - B_{\bar{N}}(2N+3191))$$

$$= B_{\bar{N}}(2N+3194 - (N+3347)) + B_{\bar{N}}(2N+3194 - (2N+297)) + B_{\bar{N}}(2N+3194 - (N+3348))$$

$$= B_{\bar{N}}(N-153) + B_{\bar{N}}(2897) + B_{\bar{N}}(N-154) = (N-153) + 2897 + (N-154) = 2N + 2590$$

$$(N \ge 2897)$$

$$B_{\bar{N}}(2N+3195) = B_{\bar{N}}(2N+3195-B_{\bar{N}}(2N+3194)) + B_{\bar{N}}(2N+3195-B_{\bar{N}}(2N+3193)) + B_{\bar{N}}(2N+3195-B_{\bar{N}}(2N+3192))$$

$$= B_{\bar{N}}(2N+3195-(2N+2590)) + B_{\bar{N}}(2N+3195-(N+3347)) + B_{\bar{N}}(2N+3195-(2N+297))$$

$$= B_{\bar{N}}(605) + B_{\bar{N}}(N-152) + B_{\bar{N}}(2898) = 605 + (N-152) + 2898 = N + 3351$$

$$(N \ge 2898)$$

$$B_{\bar{N}}(2N+3196) = B_{\bar{N}}(2N+3196-B_{\bar{N}}(2N+3195)) + B_{\bar{N}}(2N+3196-B_{\bar{N}}(2N+3194)) + B_{\bar{N}}(2N+3196-B_{\bar{N}}(2N+3193))$$

$$= B_{\bar{N}}(2N+3196-(N+3351)) + B_{\bar{N}}(2N+3196-(2N+2590)) + B_{\bar{N}}(2N+3196-(N+3347))$$

$$= B_{\bar{N}}(N-155) + B_{\bar{N}}(606) + B_{\bar{N}}(N-151) = (N-155) + 606 + (N-151) = 2N + 300$$

$$(N > 606)$$

$$B_{\bar{N}}(2N+3197) = B_{\bar{N}}(2N+3197 - B_{\bar{N}}(2N+3196)) + B_{\bar{N}}(2N+3197 - B_{\bar{N}}(2N+3195)) + B_{\bar{N}}(2N+3197 - B_{\bar{N}}(2N+3194))$$

$$= B_{\bar{N}}(2N+3197 - (2N+300)) + B_{\bar{N}}(2N+3197 - (N+3351)) + B_{\bar{N}}(2N+3197 - (2N+2590))$$

$$= B_{\bar{N}}(2897) + B_{\bar{N}}(N-154) + B_{\bar{N}}(607) = 2897 + (N-154) + 607 = N + 3350$$

$$(N \ge 2897)$$

$$B_{\bar{N}}(2N+3198) = B_{\bar{N}}(2N+3198-B_{\bar{N}}(2N+3197)) + B_{\bar{N}}(2N+3198-B_{\bar{N}}(2N+3196)) + B_{\bar{N}}(2N+3198-B_{\bar{N}}(2N+3195))$$

$$= B_{\bar{N}}(2N+3198-(N+3350)) + B_{\bar{N}}(2N+3198-(2N+300)) + B_{\bar{N}}(2N+3198-(N+3351))$$

$$= B_{\bar{N}}(N-152) + B_{\bar{N}}(2898) + B_{\bar{N}}(N-153) = (N-152) + 2898 + (N-153) = 2N + 2593$$

$$(N \ge 2898)$$

$$B_{\bar{N}}(2N+3199) = B_{\bar{N}}(2N+3199 - B_{\bar{N}}(2N+3198)) + B_{\bar{N}}(2N+3199 - B_{\bar{N}}(2N+3197)) + B_{\bar{N}}(2N+3199 - B_{\bar{N}}(2N+3196))$$

$$= B_{\bar{N}}(2N+3199 - (2N+2593)) + B_{\bar{N}}(2N+3199 - (N+3350)) + B_{\bar{N}}(2N+3199 - (2N+300))$$

$$= B_{\bar{N}}(606) + B_{\bar{N}}(N-151) + B_{\bar{N}}(2899) = 606 + (N-151) + 2899 = N + 3354$$

$$(N \ge 2899)$$

$$B_{\bar{N}}(2N+3200) = B_{\bar{N}}(2N+3200 - B_{\bar{N}}(2N+3199)) + B_{\bar{N}}(2N+3200 - B_{\bar{N}}(2N+3198)) + B_{\bar{N}}(2N+3200 - B_{\bar{N}}(2N+3197))$$

$$= B_{\bar{N}}(2N+3200 - (N+3354)) + B_{\bar{N}}(2N+3200 - (2N+2593)) + B_{\bar{N}}(2N+3200 - (N+3350))$$

$$= B_{\bar{N}}(N-154) + B_{\bar{N}}(607) + B_{\bar{N}}(N-150) = (N-154) + 607 + (N-150) = 2N + 303$$

$$(N \ge 607)$$

$$B_{\bar{N}}(2N+3201) = B_{\bar{N}}(2N+3201-B_{\bar{N}}(2N+3200)) + B_{\bar{N}}(2N+3201-B_{\bar{N}}(2N+3199)) + B_{\bar{N}}(2N+3201-B_{\bar{N}}(2N+3198))$$

$$= B_{\bar{N}}(2N+3201-(2N+303)) + B_{\bar{N}}(2N+3201-(N+3354)) + B_{\bar{N}}(2N+3201-(2N+2593))$$

$$= B_{\bar{N}}(2898) + B_{\bar{N}}(N-153) + B_{\bar{N}}(608) = 2898 + (N-153) + 608 = N+3353$$

$$(N \ge 2898)$$

$$B_{\bar{N}}(2N+3202) = B_{\bar{N}}(2N+3202-B_{\bar{N}}(2N+3201)) + B_{\bar{N}}(2N+3202-B_{\bar{N}}(2N+3200)) + B_{\bar{N}}(2N+3202-B_{\bar{N}}(2N+3199))$$

$$= B_{\bar{N}}(2N+3202-(N+3353)) + B_{\bar{N}}(2N+3202-(2N+303)) + B_{\bar{N}}(2N+3202-(N+3354))$$

$$= B_{\bar{N}}(N-151) + B_{\bar{N}}(2899) + B_{\bar{N}}(N-152) = (N-151) + 2899 + (N-152) = 2N + 2596$$

$$(N \ge 2899)$$

$$B_{\bar{N}}(2N+3203) = B_{\bar{N}}(2N+3203-B_{\bar{N}}(2N+3202)) + B_{\bar{N}}(2N+3203-B_{\bar{N}}(2N+3201)) + B_{\bar{N}}(2N+3203-B_{\bar{N}}(2N+3200))$$

$$= B_{\bar{N}}(2N+3203-(2N+2596)) + B_{\bar{N}}(2N+3203-(N+3353)) + B_{\bar{N}}(2N+3203-(2N+303))$$

$$= B_{\bar{N}}(607) + B_{\bar{N}}(N-150) + B_{\bar{N}}(2900) = 607 + (N-150) + 2900 = N + 3357$$

$$(N \ge 2900)$$

$$B_{\bar{N}}(2N+3204) = B_{\bar{N}}(2N+3204-B_{\bar{N}}(2N+3203)) + B_{\bar{N}}(2N+3204-B_{\bar{N}}(2N+3202)) + B_{\bar{N}}(2N+3204-B_{\bar{N}}(2N+3201))$$

$$= B_{\bar{N}}(2N+3204-(N+3357)) + B_{\bar{N}}(2N+3204-(2N+2596)) + B_{\bar{N}}(2N+3204-(N+3353))$$

$$= B_{\bar{N}}(N-153) + B_{\bar{N}}(608) + B_{\bar{N}}(N-149) = (N-153) + 608 + (N-149) = 2N + 306$$

$$(N \ge 608)$$

$$B_{\bar{N}}(2N+3205) = B_{\bar{N}}(2N+3205-B_{\bar{N}}(2N+3204)) + B_{\bar{N}}(2N+3205-B_{\bar{N}}(2N+3203)) + B_{\bar{N}}(2N+3205-B_{\bar{N}}(2N+3202))$$

$$= B_{\bar{N}}(2N+3205-(2N+306)) + B_{\bar{N}}(2N+3205-(N+3357)) + B_{\bar{N}}(2N+3205-(2N+2596))$$

$$= B_{\bar{N}}(2899) + B_{\bar{N}}(N-152) + B_{\bar{N}}(609) = 2899 + (N-152) + 609 = N + 3356$$

$$(N \ge 2899)$$

$$B_{\bar{N}}(2N+3206) = B_{\bar{N}}(2N+3206-B_{\bar{N}}(2N+3205)) + B_{\bar{N}}(2N+3206-B_{\bar{N}}(2N+3204)) + B_{\bar{N}}(2N+3206-B_{\bar{N}}(2N+3203))$$

$$= B_{\bar{N}}(2N+3206-(N+3356)) + B_{\bar{N}}(2N+3206-(2N+306)) + B_{\bar{N}}(2N+3206-(N+3357))$$

$$= B_{\bar{N}}(N-150) + B_{\bar{N}}(2900) + B_{\bar{N}}(N-151) = (N-150) + 2900 + (N-151) = 2N + 2599$$

$$(N \ge 2900)$$

$$B_{\bar{N}}(2N+3207) = B_{\bar{N}}(2N+3207-B_{\bar{N}}(2N+3206)) + B_{\bar{N}}(2N+3207-B_{\bar{N}}(2N+3205)) + B_{\bar{N}}(2N+3207-B_{\bar{N}}(2N+3204))$$

$$= B_{\bar{N}}(2N+3207-(2N+2599)) + B_{\bar{N}}(2N+3207-(N+3356)) + B_{\bar{N}}(2N+3207-(2N+306))$$

$$= B_{\bar{N}}(608) + B_{\bar{N}}(N-149) + B_{\bar{N}}(2901) = 608 + (N-149) + 2901 = N + 3360$$

$$(N \ge 2901)$$

$$B_{\bar{N}}(2N+3208) = B_{\bar{N}}(2N+3208-B_{\bar{N}}(2N+3207)) + B_{\bar{N}}(2N+3208-B_{\bar{N}}(2N+3206)) + B_{\bar{N}}(2N+3208-B_{\bar{N}}(2N+3205))$$

$$= B_{\bar{N}}(2N+3208-(N+3360)) + B_{\bar{N}}(2N+3208-(2N+2599)) + B_{\bar{N}}(2N+3208-(N+3356))$$

$$= B_{\bar{N}}(N-152) + B_{\bar{N}}(609) + B_{\bar{N}}(N-148) = (N-152) + 609 + (N-148) = 2N + 309$$

$$(N \ge 609)$$

$$B_{\bar{N}}(2N+3209) = B_{\bar{N}}(2N+3209 - B_{\bar{N}}(2N+3208)) + B_{\bar{N}}(2N+3209 - B_{\bar{N}}(2N+3207)) + B_{\bar{N}}(2N+3209 - B_{\bar{N}}(2N+3206))$$

$$= B_{\bar{N}}(2N+3209 - (2N+309)) + B_{\bar{N}}(2N+3209 - (N+3360)) + B_{\bar{N}}(2N+3209 - (2N+2599))$$

$$= B_{\bar{N}}(2900) + B_{\bar{N}}(N-151) + B_{\bar{N}}(610) = 2900 + (N-151) + 610 = N + 3359$$

$$(N \ge 2900)$$

$$B_{\bar{N}}(2N+3210) = B_{\bar{N}}(2N+3210-B_{\bar{N}}(2N+3209)) + B_{\bar{N}}(2N+3210-B_{\bar{N}}(2N+3208)) + B_{\bar{N}}(2N+3210-B_{\bar{N}}(2N+3207))$$

$$= B_{\bar{N}}(2N+3210-(N+3359)) + B_{\bar{N}}(2N+3210-(2N+309)) + B_{\bar{N}}(2N+3210-(N+3360))$$

$$= B_{\bar{N}}(N-149) + B_{\bar{N}}(2901) + B_{\bar{N}}(N-150) = (N-149) + 2901 + (N-150) = 2N + 2602$$

$$(N \ge 2901)$$

$$B_{\bar{N}}(2N+3211) = B_{\bar{N}}(2N+3211-B_{\bar{N}}(2N+3210)) + B_{\bar{N}}(2N+3211-B_{\bar{N}}(2N+3209)) + B_{\bar{N}}(2N+3211-B_{\bar{N}}(2N+3208))$$

$$= B_{\bar{N}}(2N+3211-(2N+2602)) + B_{\bar{N}}(2N+3211-(N+3359)) + B_{\bar{N}}(2N+3211-(2N+309))$$

$$= B_{\bar{N}}(609) + B_{\bar{N}}(N-148) + B_{\bar{N}}(2902) = 609 + (N-148) + 2902 = N + 3363$$

$$(N \ge 2902)$$

$$B_{\bar{N}}(2N+3212) = B_{\bar{N}}(2N+3212-B_{\bar{N}}(2N+3211)) + B_{\bar{N}}(2N+3212-B_{\bar{N}}(2N+3210)) + B_{\bar{N}}(2N+3212-B_{\bar{N}}(2N+3209))$$

$$= B_{\bar{N}}(2N+3212-(N+3363)) + B_{\bar{N}}(2N+3212-(2N+2602)) + B_{\bar{N}}(2N+3212-(N+3359))$$

$$= B_{\bar{N}}(N-151) + B_{\bar{N}}(610) + B_{\bar{N}}(N-147) = (N-151) + 610 + (N-147) = 2N + 312$$

$$(N \ge 610)$$

$$B_{\bar{N}}(2N+3213) = B_{\bar{N}}(2N+3213-B_{\bar{N}}(2N+3212)) + B_{\bar{N}}(2N+3213-B_{\bar{N}}(2N+3211)) + B_{\bar{N}}(2N+3213-B_{\bar{N}}(2N+3210))$$

$$= B_{\bar{N}}(2N+3213-(2N+312)) + B_{\bar{N}}(2N+3213-(N+3363)) + B_{\bar{N}}(2N+3213-(2N+2602))$$

$$= B_{\bar{N}}(2901) + B_{\bar{N}}(N-150) + B_{\bar{N}}(611) = 2901 + (N-150) + 611 = N + 3362$$

$$(N \ge 2901)$$

$$B_{\bar{N}}(2N+3214) = B_{\bar{N}}(2N+3214-B_{\bar{N}}(2N+3213)) + B_{\bar{N}}(2N+3214-B_{\bar{N}}(2N+3212)) + B_{\bar{N}}(2N+3214-B_{\bar{N}}(2N+3211))$$

$$= B_{\bar{N}}(2N+3214-(N+3362)) + B_{\bar{N}}(2N+3214-(2N+312)) + B_{\bar{N}}(2N+3214-(N+3363))$$

$$= B_{\bar{N}}(N-148) + B_{\bar{N}}(2902) + B_{\bar{N}}(N-149) = (N-148) + 2902 + (N-149) = 2N + 2605$$

$$(N \ge 2902)$$

$$B_{\bar{N}}(2N+3215) = B_{\bar{N}}(2N+3215-B_{\bar{N}}(2N+3214)) + B_{\bar{N}}(2N+3215-B_{\bar{N}}(2N+3213)) + B_{\bar{N}}(2N+3215-B_{\bar{N}}(2N+3212))$$

$$= B_{\bar{N}}(2N+3215-(2N+2605)) + B_{\bar{N}}(2N+3215-(N+3362)) + B_{\bar{N}}(2N+3215-(2N+312))$$

$$= B_{\bar{N}}(610) + B_{\bar{N}}(N-147) + B_{\bar{N}}(2903) = 610 + (N-147) + 2903 = N + 3366$$

$$(N \ge 2903)$$

$$B_{\bar{N}}(2N+3216) = B_{\bar{N}}(2N+3216-B_{\bar{N}}(2N+3215)) + B_{\bar{N}}(2N+3216-B_{\bar{N}}(2N+3214)) + B_{\bar{N}}(2N+3216-B_{\bar{N}}(2N+3213))$$

$$= B_{\bar{N}}(2N+3216-(N+3366)) + B_{\bar{N}}(2N+3216-(2N+2605)) + B_{\bar{N}}(2N+3216-(N+3362))$$

$$= B_{\bar{N}}(N-150) + B_{\bar{N}}(611) + B_{\bar{N}}(N-146) = (N-150) + 611 + (N-146) = 2N + 315$$

$$(N \ge 611)$$

$$B_{\bar{N}}(2N+3217) = B_{\bar{N}}(2N+3217-B_{\bar{N}}(2N+3216)) + B_{\bar{N}}(2N+3217-B_{\bar{N}}(2N+3215)) + B_{\bar{N}}(2N+3217-B_{\bar{N}}(2N+3214))$$

$$= B_{\bar{N}}(2N+3217-(2N+315)) + B_{\bar{N}}(2N+3217-(N+3366)) + B_{\bar{N}}(2N+3217-(2N+2605))$$

$$= B_{\bar{N}}(2902) + B_{\bar{N}}(N-149) + B_{\bar{N}}(612) = 2902 + (N-149) + 612 = N + 3365$$

$$(N \ge 2902)$$

$$B_{\bar{N}}(2N+3218) = B_{\bar{N}}(2N+3218-B_{\bar{N}}(2N+3217)) + B_{\bar{N}}(2N+3218-B_{\bar{N}}(2N+3216)) + B_{\bar{N}}(2N+3218-B_{\bar{N}}(2N+3215))$$

$$= B_{\bar{N}}(2N+3218-(N+3365)) + B_{\bar{N}}(2N+3218-(2N+315)) + B_{\bar{N}}(2N+3218-(N+3366))$$

$$= B_{\bar{N}}(N-147) + B_{\bar{N}}(2903) + B_{\bar{N}}(N-148) = (N-147) + 2903 + (N-148) = 2N + 2608$$

$$(N \ge 2903)$$

$$B_{\bar{N}}(2N+3219) = B_{\bar{N}}(2N+3219 - B_{\bar{N}}(2N+3218)) + B_{\bar{N}}(2N+3219 - B_{\bar{N}}(2N+3217)) + B_{\bar{N}}(2N+3219 - B_{\bar{N}}(2N+3216))$$

$$= B_{\bar{N}}(2N+3219 - (2N+2608)) + B_{\bar{N}}(2N+3219 - (N+3365)) + B_{\bar{N}}(2N+3219 - (2N+315))$$

$$= B_{\bar{N}}(611) + B_{\bar{N}}(N-146) + B_{\bar{N}}(2904) = 611 + (N-146) + 2904 = N + 3369$$

$$(N \ge 2904)$$

$$B_{\bar{N}}(2N+3220) = B_{\bar{N}}(2N+3220-B_{\bar{N}}(2N+3219)) + B_{\bar{N}}(2N+3220-B_{\bar{N}}(2N+3218)) + B_{\bar{N}}(2N+3220-B_{\bar{N}}(2N+3217))$$

$$= B_{\bar{N}}(2N+3220-(N+3369)) + B_{\bar{N}}(2N+3220-(2N+2608)) + B_{\bar{N}}(2N+3220-(N+3365))$$

$$= B_{\bar{N}}(N-149) + B_{\bar{N}}(612) + B_{\bar{N}}(N-145) = (N-149) + 612 + (N-145) = 2N+318$$

$$(N \ge 612)$$

$$B_{\bar{N}}(2N+3221) = B_{\bar{N}}(2N+3221-B_{\bar{N}}(2N+3220)) + B_{\bar{N}}(2N+3221-B_{\bar{N}}(2N+3219)) + B_{\bar{N}}(2N+3221-B_{\bar{N}}(2N+3218))$$

$$= B_{\bar{N}}(2N+3221-(2N+318)) + B_{\bar{N}}(2N+3221-(N+3369)) + B_{\bar{N}}(2N+3221-(2N+2608))$$

$$= B_{\bar{N}}(2903) + B_{\bar{N}}(N-148) + B_{\bar{N}}(613) = 2903 + (N-148) + 613 = N + 3368$$

$$(N > 2903)$$

$$B_{\bar{N}}(2N+3222) = B_{\bar{N}}(2N+3222-B_{\bar{N}}(2N+3221)) + B_{\bar{N}}(2N+3222-B_{\bar{N}}(2N+3220)) + B_{\bar{N}}(2N+3222-B_{\bar{N}}(2N+3219))$$

$$= B_{\bar{N}}(2N+3222-(N+3368)) + B_{\bar{N}}(2N+3222-(2N+318)) + B_{\bar{N}}(2N+3222-(N+3369))$$

$$= B_{\bar{N}}(N-146) + B_{\bar{N}}(2904) + B_{\bar{N}}(N-147) = (N-146) + 2904 + (N-147) = 2N + 2611$$

$$(N \ge 2904)$$

$$B_{\bar{N}}(2N+3223) = B_{\bar{N}}(2N+3223-B_{\bar{N}}(2N+3222)) + B_{\bar{N}}(2N+3223-B_{\bar{N}}(2N+3221)) + B_{\bar{N}}(2N+3223-B_{\bar{N}}(2N+3220))$$

$$= B_{\bar{N}}(2N+3223-(2N+2611)) + B_{\bar{N}}(2N+3223-(N+3368)) + B_{\bar{N}}(2N+3223-(2N+318))$$

$$= B_{\bar{N}}(612) + B_{\bar{N}}(N-145) + B_{\bar{N}}(2905) = 612 + (N-145) + 2905 = N+3372$$

$$(N \ge 2905)$$

$$B_{\bar{N}}(2N+3224) = B_{\bar{N}}(2N+3224-B_{\bar{N}}(2N+3223)) + B_{\bar{N}}(2N+3224-B_{\bar{N}}(2N+3222)) + B_{\bar{N}}(2N+3224-B_{\bar{N}}(2N+3221))$$

$$= B_{\bar{N}}(2N+3224-(N+3372)) + B_{\bar{N}}(2N+3224-(2N+2611)) + B_{\bar{N}}(2N+3224-(N+3368))$$

$$= B_{\bar{N}}(N-148) + B_{\bar{N}}(613) + B_{\bar{N}}(N-144) = (N-148) + 613 + (N-144) = 2N+321$$

$$(N \ge 613)$$

$$B_{\bar{N}}(2N+3225) = B_{\bar{N}}(2N+3225-B_{\bar{N}}(2N+3224)) + B_{\bar{N}}(2N+3225-B_{\bar{N}}(2N+3223)) + B_{\bar{N}}(2N+3225-B_{\bar{N}}(2N+3222))$$

$$= B_{\bar{N}}(2N+3225-(2N+321)) + B_{\bar{N}}(2N+3225-(N+3372)) + B_{\bar{N}}(2N+3225-(2N+2611))$$

$$= B_{\bar{N}}(2904) + B_{\bar{N}}(N-147) + B_{\bar{N}}(614) = 2904 + (N-147) + 614 = N + 3371$$

$$(N \ge 2904)$$

$$B_{\bar{N}}(2N+3226) = B_{\bar{N}}(2N+3226-B_{\bar{N}}(2N+3225)) + B_{\bar{N}}(2N+3226-B_{\bar{N}}(2N+3224)) + B_{\bar{N}}(2N+3226-B_{\bar{N}}(2N+3223))$$

$$= B_{\bar{N}}(2N+3226-(N+3371)) + B_{\bar{N}}(2N+3226-(2N+321)) + B_{\bar{N}}(2N+3226-(N+3372))$$

$$= B_{\bar{N}}(N-145) + B_{\bar{N}}(2905) + B_{\bar{N}}(N-146) = (N-145) + 2905 + (N-146) = 2N + 2614$$

$$(N \ge 2905)$$

$$B_{\bar{N}}(2N+3227) = B_{\bar{N}}(2N+3227 - B_{\bar{N}}(2N+3226)) + B_{\bar{N}}(2N+3227 - B_{\bar{N}}(2N+3225)) + B_{\bar{N}}(2N+3227 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3228) = B_{\bar{N}}(2N+3228-B_{\bar{N}}(2N+3227)) + B_{\bar{N}}(2N+3228-B_{\bar{N}}(2N+3226)) + B_{\bar{N}}(2N+3228-B_{\bar{N}}(2N+3225))$$

$$= B_{\bar{N}}(2N+3228-(N+3375)) + B_{\bar{N}}(2N+3228-(2N+2614)) + B_{\bar{N}}(2N+3228-(N+3371))$$

$$= B_{\bar{N}}(N-147) + B_{\bar{N}}(614) + B_{\bar{N}}(N-143) = (N-147) + 614 + (N-143) = 2N + 324$$

$$(N \ge 614)$$

$$B_{\bar{N}}(2N+3229) = B_{\bar{N}}(2N+3229 - B_{\bar{N}}(2N+3228)) + B_{\bar{N}}(2N+3229 - B_{\bar{N}}(2N+3227)) + B_{\bar{N}}(2N+3229 - B_{\bar{N}}(2N+329 - B_{\bar$$

$$B_{\bar{N}}(2N+3230) = B_{\bar{N}}(2N+3230 - B_{\bar{N}}(2N+3229)) + B_{\bar{N}}(2N+3230 - B_{\bar{N}}(2N+3228)) + B_{\bar{N}}(2N+3230 - B_{\bar{N}}(2N+3227))$$

$$= B_{\bar{N}}(2N+3230 - (N+3374)) + B_{\bar{N}}(2N+3230 - (2N+324)) + B_{\bar{N}}(2N+3230 - (N+3375))$$

$$= B_{\bar{N}}(N-144) + B_{\bar{N}}(2906) + B_{\bar{N}}(N-145) = (N-144) + 2906 + (N-145) = 2N + 2617$$

$$(N \ge 2906)$$

$$B_{\bar{N}}(2N+3231) = B_{\bar{N}}(2N+3231-B_{\bar{N}}(2N+3230)) + B_{\bar{N}}(2N+3231-B_{\bar{N}}(2N+3229)) + B_{\bar{N}}(2N+3231-B_{\bar{N}}(2N+3228))$$

$$= B_{\bar{N}}(2N+3231-(2N+2617)) + B_{\bar{N}}(2N+3231-(N+3374)) + B_{\bar{N}}(2N+3231-(2N+324))$$

$$= B_{\bar{N}}(614) + B_{\bar{N}}(N-143) + B_{\bar{N}}(2907) = 614 + (N-143) + 2907 = N + 3378$$

$$(N \ge 2907)$$

$$B_{\bar{N}}(2N+3232) = B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3231)) + B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3230)) + B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2N+3232-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3233) = B_{\bar{N}}(2N+3233-B_{\bar{N}}(2N+3232)) + B_{\bar{N}}(2N+3233-B_{\bar{N}}(2N+3231)) + B_{\bar{N}}(2N+3233-B_{\bar{N}}(2N+3230))$$

$$= B_{\bar{N}}(2N+3233-(2N+327)) + B_{\bar{N}}(2N+3233-(N+3378)) + B_{\bar{N}}(2N+3233-(2N+2617))$$

$$= B_{\bar{N}}(2906) + B_{\bar{N}}(N-145) + B_{\bar{N}}(616) = 2906 + (N-145) + 616 = N+3377$$

$$(N \ge 2906)$$

$$B_{\bar{N}}(2N+3234) = B_{\bar{N}}(2N+3234-B_{\bar{N}}(2N+3233)) + B_{\bar{N}}(2N+3234-B_{\bar{N}}(2N+3232)) + B_{\bar{N}}(2N+3234-B_{\bar{N}}(2N+3231))$$

$$= B_{\bar{N}}(2N+3234-(N+3377)) + B_{\bar{N}}(2N+3234-(2N+327)) + B_{\bar{N}}(2N+3234-(N+3378))$$

$$= B_{\bar{N}}(N-143) + B_{\bar{N}}(2907) + B_{\bar{N}}(N-144) = (N-143) + 2907 + (N-144) = 2N + 2620$$

$$(N \ge 2907)$$

$$B_{\bar{N}}(2N+3235) = B_{\bar{N}}(2N+3235-B_{\bar{N}}(2N+3234)) + B_{\bar{N}}(2N+3235-B_{\bar{N}}(2N+3233)) + B_{\bar{N}}(2N+3235-B_{\bar{N}}(2N+3232))$$

$$= B_{\bar{N}}(2N+3235-(2N+2620)) + B_{\bar{N}}(2N+3235-(N+3377)) + B_{\bar{N}}(2N+3235-(2N+327))$$

$$= B_{\bar{N}}(615) + B_{\bar{N}}(N-142) + B_{\bar{N}}(2908) = 615 + (N-142) + 2908 = N+3381$$

$$(N \ge 2908)$$

$$B_{\bar{N}}(2N+3236) = B_{\bar{N}}(2N+3236-B_{\bar{N}}(2N+3235)) + B_{\bar{N}}(2N+3236-B_{\bar{N}}(2N+3234)) + B_{\bar{N}}(2N+3236-B_{\bar{N}}(2N+3236))$$

$$= B_{\bar{N}}(2N+3236-(N+3381)) + B_{\bar{N}}(2N+3236-(2N+2620)) + B_{\bar{N}}(2N+3236-(N+3377))$$

$$= B_{\bar{N}}(N-145) + B_{\bar{N}}(616) + B_{\bar{N}}(N-141) = (N-145) + 616 + (N-141) = 2N+330$$

$$(N \ge 616)$$

$$B_{\bar{N}}(2N+3237) = B_{\bar{N}}(2N+3237-B_{\bar{N}}(2N+3236)) + B_{\bar{N}}(2N+3237-B_{\bar{N}}(2N+3235)) + B_{\bar{N}}(2N+3237-B_{\bar{N}}(2N+3234))$$

$$= B_{\bar{N}}(2N+3237-(2N+330)) + B_{\bar{N}}(2N+3237-(N+3381)) + B_{\bar{N}}(2N+3237-(2N+2620))$$

$$= B_{\bar{N}}(2907) + B_{\bar{N}}(N-144) + B_{\bar{N}}(617) = 2907 + (N-144) + 617 = N+3380$$

$$(N \ge 2907)$$

$$B_{\bar{N}}(2N+3238) = B_{\bar{N}}(2N+3238-B_{\bar{N}}(2N+3237)) + B_{\bar{N}}(2N+3238-B_{\bar{N}}(2N+3236)) + B_{\bar{N}}(2N+3238-B_{\bar{N}}(2N+3235))$$

$$= B_{\bar{N}}(2N+3238-(N+3380)) + B_{\bar{N}}(2N+3238-(2N+330)) + B_{\bar{N}}(2N+3238-(N+3381))$$

$$= B_{\bar{N}}(N-142) + B_{\bar{N}}(2908) + B_{\bar{N}}(N-143) = (N-142) + 2908 + (N-143) = 2N + 2623$$

$$(N \ge 2908)$$

$$B_{\bar{N}}(2N+3239) = B_{\bar{N}}(2N+3239 - B_{\bar{N}}(2N+3238)) + B_{\bar{N}}(2N+3239 - B_{\bar{N}}(2N+3237)) + B_{\bar{N}}(2N+3239 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3240) = B_{\bar{N}}(2N+3240-B_{\bar{N}}(2N+3239)) + B_{\bar{N}}(2N+3240-B_{\bar{N}}(2N+3238)) + B_{\bar{N}}(2N+3240-B_{\bar{N}}(2N+3237))$$

$$= B_{\bar{N}}(2N+3240-(N+3384)) + B_{\bar{N}}(2N+3240-(2N+2623)) + B_{\bar{N}}(2N+3240-(N+3380))$$

$$= B_{\bar{N}}(N-144) + B_{\bar{N}}(617) + B_{\bar{N}}(N-140) = (N-144) + 617 + (N-140) = 2N+333$$

$$(N \ge 617)$$

$$B_{\bar{N}}(2N+3241) = B_{\bar{N}}(2N+3241-B_{\bar{N}}(2N+3240)) + B_{\bar{N}}(2N+3241-B_{\bar{N}}(2N+3239)) + B_{\bar{N}}(2N+3241-B_{\bar{N}}(2N+3238))$$

$$= B_{\bar{N}}(2N+3241-(2N+333)) + B_{\bar{N}}(2N+3241-(N+3384)) + B_{\bar{N}}(2N+3241-(2N+2623))$$

$$= B_{\bar{N}}(2908) + B_{\bar{N}}(N-143) + B_{\bar{N}}(618) = 2908 + (N-143) + 618 = N + 3383$$

$$(N \ge 2908)$$

$$B_{\bar{N}}(2N+3242) = B_{\bar{N}}(2N+3242-B_{\bar{N}}(2N+3241)) + B_{\bar{N}}(2N+3242-B_{\bar{N}}(2N+3240)) + B_{\bar{N}}(2N+3242-B_{\bar{N}}(2N+3239))$$

$$= B_{\bar{N}}(2N+3242-(N+3383)) + B_{\bar{N}}(2N+3242-(2N+333)) + B_{\bar{N}}(2N+3242-(N+3384))$$

$$= B_{\bar{N}}(N-141) + B_{\bar{N}}(2909) + B_{\bar{N}}(N-142) = (N-141) + 2909 + (N-142) = 2N + 2626$$

$$(N \ge 2909)$$

$$B_{\bar{N}}(2N+3243) = B_{\bar{N}}(2N+3243-B_{\bar{N}}(2N+3242)) + B_{\bar{N}}(2N+3243-B_{\bar{N}}(2N+3241)) + B_{\bar{N}}(2N+3243-B_{\bar{N}}(2N+3240))$$

$$= B_{\bar{N}}(2N+3243-(2N+2626)) + B_{\bar{N}}(2N+3243-(N+3383)) + B_{\bar{N}}(2N+3243-(2N+333))$$

$$= B_{\bar{N}}(617) + B_{\bar{N}}(N-140) + B_{\bar{N}}(2910) = 617 + (N-140) + 2910 = N + 3387$$

$$(N \ge 2910)$$

$$B_{\bar{N}}(2N+3244) = B_{\bar{N}}(2N+3244-B_{\bar{N}}(2N+3243)) + B_{\bar{N}}(2N+3244-B_{\bar{N}}(2N+3242)) + B_{\bar{N}}(2N+3244-B_{\bar{N}}(2N+3241))$$

$$= B_{\bar{N}}(2N+3244-(N+3387)) + B_{\bar{N}}(2N+3244-(2N+2626)) + B_{\bar{N}}(2N+3244-(N+3383))$$

$$= B_{\bar{N}}(N-143) + B_{\bar{N}}(618) + B_{\bar{N}}(N-139) = (N-143) + 618 + (N-139) = 2N + 336$$

$$(N \ge 618)$$

$$\begin{split} B_{\bar{N}}(2N+3245) &= B_{\bar{N}}(2N+3245-B_{\bar{N}}(2N+3244)) + B_{\bar{N}}(2N+3245-B_{\bar{N}}(2N+3243)) + B_{\bar{N}}(2N+3245-B_{\bar{N}}(2N+3245)) \\ &= B_{\bar{N}}(2N+3245-(2N+336)) + B_{\bar{N}}(2N+3245-(N+3387)) + B_{\bar{N}}(2N+3245-(2N+2626)) \\ &= B_{\bar{N}}(2909) + B_{\bar{N}}(N-142) + B_{\bar{N}}(619) = 2909 + (N-142) + 619 = N + 3386 \\ &(N \geq 2909) \end{split}$$

$$B_{\bar{N}}(2N+3246) = B_{\bar{N}}(2N+3246-B_{\bar{N}}(2N+3245)) + B_{\bar{N}}(2N+3246-B_{\bar{N}}(2N+3244)) + B_{\bar{N}}(2N+3246-B_{\bar{N}}(2N+3243))$$

$$= B_{\bar{N}}(2N+3246-(N+3386)) + B_{\bar{N}}(2N+3246-(2N+336)) + B_{\bar{N}}(2N+3246-(N+3387))$$

$$= B_{\bar{N}}(N-140) + B_{\bar{N}}(2910) + B_{\bar{N}}(N-141) = (N-140) + 2910 + (N-141) = 2N + 2629$$

$$(N > 2910)$$

$$B_{\bar{N}}(2N+3247) = B_{\bar{N}}(2N+3247-B_{\bar{N}}(2N+3246)) + B_{\bar{N}}(2N+3247-B_{\bar{N}}(2N+3245)) + B_{\bar{N}}(2N+3247-B_{\bar{N}}(2N+3244))$$

$$= B_{\bar{N}}(2N+3247-(2N+2629)) + B_{\bar{N}}(2N+3247-(N+3386)) + B_{\bar{N}}(2N+3247-(2N+336))$$

$$= B_{\bar{N}}(618) + B_{\bar{N}}(N-139) + B_{\bar{N}}(2911) = 618 + (N-139) + 2911 = N + 3390$$

$$(N \ge 2911)$$

$$B_{\bar{N}}(2N+3248) = B_{\bar{N}}(2N+3248-B_{\bar{N}}(2N+3247)) + B_{\bar{N}}(2N+3248-B_{\bar{N}}(2N+3246)) + B_{\bar{N}}(2N+3248-B_{\bar{N}}(2N+3245))$$

$$= B_{\bar{N}}(2N+3248-(N+3390)) + B_{\bar{N}}(2N+3248-(2N+2629)) + B_{\bar{N}}(2N+3248-(N+3386))$$

$$= B_{\bar{N}}(N-142) + B_{\bar{N}}(619) + B_{\bar{N}}(N-138) = (N-142) + 619 + (N-138) = 2N+339$$

$$(N \ge 619)$$

$$B_{\bar{N}}(2N+3249) = B_{\bar{N}}(2N+3249 - B_{\bar{N}}(2N+3248)) + B_{\bar{N}}(2N+3249 - B_{\bar{N}}(2N+3247)) + B_{\bar{N}}(2N+3249 - B_{\bar{N}}(2N+3249))$$

$$= B_{\bar{N}}(2N+3249 - (2N+339)) + B_{\bar{N}}(2N+3249 - (N+3390)) + B_{\bar{N}}(2N+3249 - (2N+2629))$$

$$= B_{\bar{N}}(2910) + B_{\bar{N}}(N-141) + B_{\bar{N}}(620) = 2910 + (N-141) + 620 = N + 3389$$

$$(N \ge 2910)$$

$$\begin{split} B_{\bar{N}}(2N+3250) &= B_{\bar{N}}(2N+3250-B_{\bar{N}}(2N+3249)) + B_{\bar{N}}(2N+3250-B_{\bar{N}}(2N+3248)) + B_{\bar{N}}(2N+3250-B_{\bar{N}}(2N+3247)) \\ &= B_{\bar{N}}(2N+3250-(N+3389)) + B_{\bar{N}}(2N+3250-(2N+339)) + B_{\bar{N}}(2N+3250-(N+3390)) \\ &= B_{\bar{N}}(N-139) + B_{\bar{N}}(2911) + B_{\bar{N}}(N-140) = (N-139) + 2911 + (N-140) = 2N + 2632 \\ &(N \geq 2911) \end{split}$$

$$B_{\bar{N}}(2N+3251) = B_{\bar{N}}(2N+3251-B_{\bar{N}}(2N+3250)) + B_{\bar{N}}(2N+3251-B_{\bar{N}}(2N+3249)) + B_{\bar{N}}(2N+3251-B_{\bar{N}}(2N+3248))$$

$$= B_{\bar{N}}(2N+3251-(2N+2632)) + B_{\bar{N}}(2N+3251-(N+3389)) + B_{\bar{N}}(2N+3251-(2N+339))$$

$$= B_{\bar{N}}(619) + B_{\bar{N}}(N-138) + B_{\bar{N}}(2912) = 619 + (N-138) + 2912 = N + 3393$$

$$(N \ge 2912)$$

$$B_{\bar{N}}(2N+3252) = B_{\bar{N}}(2N+3252 - B_{\bar{N}}(2N+3251)) + B_{\bar{N}}(2N+3252 - B_{\bar{N}}(2N+3250)) + B_{\bar{N}}(2N+3252 - B_{\bar{N}}(2N+3249))$$

$$= B_{\bar{N}}(2N+3252 - (N+3393)) + B_{\bar{N}}(2N+3252 - (2N+2632)) + B_{\bar{N}}(2N+3252 - (N+3389))$$

$$= B_{\bar{N}}(N-141) + B_{\bar{N}}(620) + B_{\bar{N}}(N-137) = (N-141) + 620 + (N-137) = 2N + 342$$

$$(N > 620)$$

$$\begin{split} B_{\bar{N}}(2N+3253) &= B_{\bar{N}}(2N+3253-B_{\bar{N}}(2N+3252)) + B_{\bar{N}}(2N+3253-B_{\bar{N}}(2N+3251)) + B_{\bar{N}}(2N+3253-B_{\bar{N}}(2N+3250)) \\ &= B_{\bar{N}}(2N+3253-(2N+342)) + B_{\bar{N}}(2N+3253-(N+3393)) + B_{\bar{N}}(2N+3253-(2N+2632)) \\ &= B_{\bar{N}}(2911) + B_{\bar{N}}(N-140) + B_{\bar{N}}(621) = 2911 + (N-140) + 621 = N + 3392 \\ &\qquad (N \geq 2911) \end{split}$$

$$B_{\bar{N}}(2N+3254) = B_{\bar{N}}(2N+3254-B_{\bar{N}}(2N+3253)) + B_{\bar{N}}(2N+3254-B_{\bar{N}}(2N+3252)) + B_{\bar{N}}(2N+3254-B_{\bar{N}}(2N+3251))$$

$$= B_{\bar{N}}(2N+3254-(N+3392)) + B_{\bar{N}}(2N+3254-(2N+342)) + B_{\bar{N}}(2N+3254-(N+3393))$$

$$= B_{\bar{N}}(N-138) + B_{\bar{N}}(2912) + B_{\bar{N}}(N-139) = (N-138) + 2912 + (N-139) = 2N + 2635$$

$$(N \ge 2912)$$

$$B_{\bar{N}}(2N+3255) = B_{\bar{N}}(2N+3255-B_{\bar{N}}(2N+3254)) + B_{\bar{N}}(2N+3255-B_{\bar{N}}(2N+3253)) + B_{\bar{N}}(2N+3255-B_{\bar{N}}(2N+3252))$$

$$= B_{\bar{N}}(2N+3255-(2N+2635)) + B_{\bar{N}}(2N+3255-(N+3392)) + B_{\bar{N}}(2N+3255-(2N+342))$$

$$= B_{\bar{N}}(620) + B_{\bar{N}}(N-137) + B_{\bar{N}}(2913) = 620 + (N-137) + 2913 = N + 3396$$

$$(N \ge 2913)$$

$$B_{\bar{N}}(2N+3256) = B_{\bar{N}}(2N+3256-B_{\bar{N}}(2N+3255)) + B_{\bar{N}}(2N+3256-B_{\bar{N}}(2N+3254)) + B_{\bar{N}}(2N+3256-B_{\bar{N}}(2N+3253))$$

$$= B_{\bar{N}}(2N+3256-(N+3396)) + B_{\bar{N}}(2N+3256-(2N+2635)) + B_{\bar{N}}(2N+3256-(N+3392))$$

$$= B_{\bar{N}}(N-140) + B_{\bar{N}}(621) + B_{\bar{N}}(N-136) = (N-140) + 621 + (N-136) = 2N + 345$$

$$(N > 621)$$

$$B_{\bar{N}}(2N+3257) = B_{\bar{N}}(2N+3257 - B_{\bar{N}}(2N+3256)) + B_{\bar{N}}(2N+3257 - B_{\bar{N}}(2N+3257)) + B_{\bar{N}}(2N+3257) + B_{\bar$$

$$B_{\bar{N}}(2N+3258) = B_{\bar{N}}(2N+3258-B_{\bar{N}}(2N+3257)) + B_{\bar{N}}(2N+3258-B_{\bar{N}}(2N+3256)) + B_{\bar{N}}(2N+3258-B_{\bar{N}}(2N+3255))$$

$$= B_{\bar{N}}(2N+3258-(N+3395)) + B_{\bar{N}}(2N+3258-(2N+345)) + B_{\bar{N}}(2N+3258-(N+3396))$$

$$= B_{\bar{N}}(N-137) + B_{\bar{N}}(2913) + B_{\bar{N}}(N-138) = (N-137) + 2913 + (N-138) = 2N + 2638$$

$$(N \ge 2913)$$

$$B_{\bar{N}}(2N+3259) = B_{\bar{N}}(2N+3259 - B_{\bar{N}}(2N+3258)) + B_{\bar{N}}(2N+3259 - B_{\bar{N}}(2N+3257)) + B_{\bar{N}}(2N+3259 - B_{\bar{N}}(2N+3259))$$

$$= B_{\bar{N}}(2N+3259 - (2N+2638)) + B_{\bar{N}}(2N+3259 - (N+3395)) + B_{\bar{N}}(2N+3259 - (2N+345))$$

$$= B_{\bar{N}}(621) + B_{\bar{N}}(N-136) + B_{\bar{N}}(2914) = 621 + (N-136) + 2914 = N + 3399$$

$$(N \ge 2914)$$

$$B_{\bar{N}}(2N+3260) = B_{\bar{N}}(2N+3260-B_{\bar{N}}(2N+3259)) + B_{\bar{N}}(2N+3260-B_{\bar{N}}(2N+3258)) + B_{\bar{N}}(2N+3260-B_{\bar{N}}(2N+3257))$$

$$= B_{\bar{N}}(2N+3260-(N+3399)) + B_{\bar{N}}(2N+3260-(2N+2638)) + B_{\bar{N}}(2N+3260-(N+3395))$$

$$= B_{\bar{N}}(N-139) + B_{\bar{N}}(622) + B_{\bar{N}}(N-135) = (N-139) + 622 + (N-135) = 2N + 348$$

$$(N \ge 622)$$

$$B_{\bar{N}}(2N+3261) = B_{\bar{N}}(2N+3261-B_{\bar{N}}(2N+3260)) + B_{\bar{N}}(2N+3261-B_{\bar{N}}(2N+3259)) + B_{\bar{N}}(2N+3261-B_{\bar{N}}(2N+3258))$$

$$= B_{\bar{N}}(2N+3261-(2N+348)) + B_{\bar{N}}(2N+3261-(N+3399)) + B_{\bar{N}}(2N+3261-(2N+2638))$$

$$= B_{\bar{N}}(2913) + B_{\bar{N}}(N-138) + B_{\bar{N}}(623) = 2913 + (N-138) + 623 = N + 3398$$

$$(N \ge 2913)$$

$$B_{\bar{N}}(2N+3262) = B_{\bar{N}}(2N+3262-B_{\bar{N}}(2N+3261)) + B_{\bar{N}}(2N+3262-B_{\bar{N}}(2N+3260)) + B_{\bar{N}}(2N+3262-B_{\bar{N}}(2N+3259))$$

$$= B_{\bar{N}}(2N+3262-(N+3398)) + B_{\bar{N}}(2N+3262-(2N+348)) + B_{\bar{N}}(2N+3262-(N+3399))$$

$$= B_{\bar{N}}(N-136) + B_{\bar{N}}(2914) + B_{\bar{N}}(N-137) = (N-136) + 2914 + (N-137) = 2N + 2641$$

$$(N \ge 2914)$$

$$\begin{split} B_{\bar{N}}(2N+3263) &= B_{\bar{N}}(2N+3263-B_{\bar{N}}(2N+3262)) + B_{\bar{N}}(2N+3263-B_{\bar{N}}(2N+3261)) + B_{\bar{N}}(2N+3263-B_{\bar{N}}(2N+3260)) \\ &= B_{\bar{N}}(2N+3263-(2N+2641)) + B_{\bar{N}}(2N+3263-(N+3398)) + B_{\bar{N}}(2N+3263-(2N+348)) \\ &= B_{\bar{N}}(622) + B_{\bar{N}}(N-135) + B_{\bar{N}}(2915) = 622 + (N-135) + 2915 = N + 3402 \\ &(N \geq 2915) \end{split}$$

$$B_{\bar{N}}(2N+3264) = B_{\bar{N}}(2N+3264-B_{\bar{N}}(2N+3263)) + B_{\bar{N}}(2N+3264-B_{\bar{N}}(2N+3262)) + B_{\bar{N}}(2N+3264-B_{\bar{N}}(2N+3261))$$

$$= B_{\bar{N}}(2N+3264-(N+3402)) + B_{\bar{N}}(2N+3264-(2N+2641)) + B_{\bar{N}}(2N+3264-(N+3398))$$

$$= B_{\bar{N}}(N-138) + B_{\bar{N}}(623) + B_{\bar{N}}(N-134) = (N-138) + 623 + (N-134) = 2N+351$$

$$(N \ge 623)$$

$$B_{\bar{N}}(2N+3265) = B_{\bar{N}}(2N+3265-B_{\bar{N}}(2N+3264)) + B_{\bar{N}}(2N+3265-B_{\bar{N}}(2N+3263)) + B_{\bar{N}}(2N+3265-B_{\bar{N}}(2N+3262))$$

$$= B_{\bar{N}}(2N+3265-(2N+351)) + B_{\bar{N}}(2N+3265-(N+3402)) + B_{\bar{N}}(2N+3265-(2N+2641))$$

$$= B_{\bar{N}}(2914) + B_{\bar{N}}(N-137) + B_{\bar{N}}(624) = 2914 + (N-137) + 624 = N + 3401$$

$$(N \ge 2914)$$

$$B_{\bar{N}}(2N+3266) = B_{\bar{N}}(2N+3266-B_{\bar{N}}(2N+3265)) + B_{\bar{N}}(2N+3266-B_{\bar{N}}(2N+3264)) + B_{\bar{N}}(2N+3266-B_{\bar{N}}(2N+3263))$$

$$= B_{\bar{N}}(2N+3266-(N+3401)) + B_{\bar{N}}(2N+3266-(2N+351)) + B_{\bar{N}}(2N+3266-(N+3402))$$

$$= B_{\bar{N}}(N-135) + B_{\bar{N}}(2915) + B_{\bar{N}}(N-136) = (N-135) + 2915 + (N-136) = 2N + 2644$$

$$(N \ge 2915)$$

$$B_{\bar{N}}(2N+3267) = B_{\bar{N}}(2N+3267 - B_{\bar{N}}(2N+3266)) + B_{\bar{N}}(2N+3267 - B_{\bar{N}}(2N+3265)) + B_{\bar{N}}(2N+3267 - B_{\bar{N}}(2N+3264))$$

$$= B_{\bar{N}}(2N+3267 - (2N+2644)) + B_{\bar{N}}(2N+3267 - (N+3401)) + B_{\bar{N}}(2N+3267 - (2N+351))$$

$$= B_{\bar{N}}(623) + B_{\bar{N}}(N-134) + B_{\bar{N}}(2916) = 623 + (N-134) + 2916 = N + 3405$$

$$(N > 2916)$$

$$B_{\bar{N}}(2N+3268) = B_{\bar{N}}(2N+3268-B_{\bar{N}}(2N+3267)) + B_{\bar{N}}(2N+3268-B_{\bar{N}}(2N+3266)) + B_{\bar{N}}(2N+3268-B_{\bar{N}}(2N+3265))$$

$$= B_{\bar{N}}(2N+3268-(N+3405)) + B_{\bar{N}}(2N+3268-(2N+2644)) + B_{\bar{N}}(2N+3268-(N+3401))$$

$$= B_{\bar{N}}(N-137) + B_{\bar{N}}(624) + B_{\bar{N}}(N-133) = (N-137) + 624 + (N-133) = 2N + 354$$

$$(N \ge 624)$$

$$B_{\bar{N}}(2N+3269) = B_{\bar{N}}(2N+3269 - B_{\bar{N}}(2N+3268)) + B_{\bar{N}}(2N+3269 - B_{\bar{N}}(2N+3267)) + B_{\bar{N}}(2N+3269 - B_{\bar{N}}(2N+3269))$$

$$= B_{\bar{N}}(2N+3269 - (2N+354)) + B_{\bar{N}}(2N+3269 - (N+3405)) + B_{\bar{N}}(2N+3269 - (2N+2644))$$

$$= B_{\bar{N}}(2915) + B_{\bar{N}}(N-136) + B_{\bar{N}}(625) = 2915 + (N-136) + 625 = N + 3404$$

$$(N > 2915)$$

$$B_{\bar{N}}(2N+3270) = B_{\bar{N}}(2N+3270 - B_{\bar{N}}(2N+3269)) + B_{\bar{N}}(2N+3270 - B_{\bar{N}}(2N+3268)) + B_{\bar{N}}(2N+3270 - B_{\bar{N}}(2N+3267))$$

$$= B_{\bar{N}}(2N+3270 - (N+3404)) + B_{\bar{N}}(2N+3270 - (2N+354)) + B_{\bar{N}}(2N+3270 - (N+3405))$$

$$= B_{\bar{N}}(N-134) + B_{\bar{N}}(2916) + B_{\bar{N}}(N-135) = (N-134) + 2916 + (N-135) = 2N + 2647$$

$$(N \ge 2916)$$

$$B_{\bar{N}}(2N+3271) = B_{\bar{N}}(2N+3271 - B_{\bar{N}}(2N+3270)) + B_{\bar{N}}(2N+3271 - B_{\bar{N}}(2N+3269)) + B_{\bar{N}}(2N+3271 - B_{\bar{N}}(2N+3268))$$

$$= B_{\bar{N}}(2N+3271 - (2N+2647)) + B_{\bar{N}}(2N+3271 - (N+3404)) + B_{\bar{N}}(2N+3271 - (2N+354))$$

$$= B_{\bar{N}}(624) + B_{\bar{N}}(N-133) + B_{\bar{N}}(2917) = 624 + (N-133) + 2917 = N + 3408$$

$$(N \ge 2917)$$

$$B_{\bar{N}}(2N+3272) = B_{\bar{N}}(2N+3272-B_{\bar{N}}(2N+3271)) + B_{\bar{N}}(2N+3272-B_{\bar{N}}(2N+3270)) + B_{\bar{N}}(2N+3272-B_{\bar{N}}(2N+3269))$$

$$= B_{\bar{N}}(2N+3272-(N+3408)) + B_{\bar{N}}(2N+3272-(2N+2647)) + B_{\bar{N}}(2N+3272-(N+3404))$$

$$= B_{\bar{N}}(N-136) + B_{\bar{N}}(625) + B_{\bar{N}}(N-132) = (N-136) + 625 + (N-132) = 2N + 357$$

$$(N \ge 625)$$

$$B_{\bar{N}}(2N+3273) = B_{\bar{N}}(2N+3273-B_{\bar{N}}(2N+3272)) + B_{\bar{N}}(2N+3273-B_{\bar{N}}(2N+3271)) + B_{\bar{N}}(2N+3273-B_{\bar{N}}(2N+3270))$$

$$= B_{\bar{N}}(2N+3273-(2N+357)) + B_{\bar{N}}(2N+3273-(N+3408)) + B_{\bar{N}}(2N+3273-(2N+2647))$$

$$= B_{\bar{N}}(2916) + B_{\bar{N}}(N-135) + B_{\bar{N}}(626) = 2916 + (N-135) + 626 = N + 3407$$

$$(N \ge 2916)$$

$$B_{\bar{N}}(2N+3274) = B_{\bar{N}}(2N+3274-B_{\bar{N}}(2N+3273)) + B_{\bar{N}}(2N+3274-B_{\bar{N}}(2N+3272)) + B_{\bar{N}}(2N+3274-B_{\bar{N}}(2N+3271))$$

$$= B_{\bar{N}}(2N+3274-(N+3407)) + B_{\bar{N}}(2N+3274-(2N+357)) + B_{\bar{N}}(2N+3274-(N+3408))$$

$$= B_{\bar{N}}(N-133) + B_{\bar{N}}(2917) + B_{\bar{N}}(N-134) = (N-133) + 2917 + (N-134) = 2N + 2650$$

$$(N \ge 2917)$$

$$B_{\bar{N}}(2N+3275) = B_{\bar{N}}(2N+3275-B_{\bar{N}}(2N+3274)) + B_{\bar{N}}(2N+3275-B_{\bar{N}}(2N+3273)) + B_{\bar{N}}(2N+3275-B_{\bar{N}}(2N+3272))$$

$$= B_{\bar{N}}(2N+3275-(2N+2650)) + B_{\bar{N}}(2N+3275-(N+3407)) + B_{\bar{N}}(2N+3275-(2N+357))$$

$$= B_{\bar{N}}(625) + B_{\bar{N}}(N-132) + B_{\bar{N}}(2918) = 625 + (N-132) + 2918 = N + 3411$$

$$(N \ge 2918)$$

$$B_{\bar{N}}(2N+3276) = B_{\bar{N}}(2N+3276-B_{\bar{N}}(2N+3275)) + B_{\bar{N}}(2N+3276-B_{\bar{N}}(2N+3274)) + B_{\bar{N}}(2N+3276-B_{\bar{N}}(2N+3273))$$

$$= B_{\bar{N}}(2N+3276-(N+3411)) + B_{\bar{N}}(2N+3276-(2N+2650)) + B_{\bar{N}}(2N+3276-(N+3407))$$

$$= B_{\bar{N}}(N-135) + B_{\bar{N}}(626) + B_{\bar{N}}(N-131) = (N-135) + 626 + (N-131) = 2N + 360$$

$$(N \ge 626)$$

$$B_{\bar{N}}(2N+3277) = B_{\bar{N}}(2N+3277 - B_{\bar{N}}(2N+3276)) + B_{\bar{N}}(2N+3277 - B_{\bar{N}}(2N+3275)) + B_{\bar{N}}(2N+3277 - B_{\bar{N}}(2N+3274))$$

$$= B_{\bar{N}}(2N+3277 - (2N+360)) + B_{\bar{N}}(2N+3277 - (N+3411)) + B_{\bar{N}}(2N+3277 - (2N+2650))$$

$$= B_{\bar{N}}(2917) + B_{\bar{N}}(N-134) + B_{\bar{N}}(627) = 2917 + (N-134) + 627 = N + 3410$$

$$(N \ge 2917)$$

$$B_{\bar{N}}(2N+3278) = B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3277)) + B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3276)) + B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2N+3278-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3279) = B_{\bar{N}}(2N+3279 - B_{\bar{N}}(2N+3278)) + B_{\bar{N}}(2N+3279 - B_{\bar{N}}(2N+3277)) + B_{\bar{N}}(2N+3279 - B_{\bar{N}}(2N+3276))$$

$$= B_{\bar{N}}(2N+3279 - (2N+2653)) + B_{\bar{N}}(2N+3279 - (N+3410)) + B_{\bar{N}}(2N+3279 - (2N+360))$$

$$= B_{\bar{N}}(626) + B_{\bar{N}}(N-131) + B_{\bar{N}}(2919) = 626 + (N-131) + 2919 = N + 3414$$

$$(N \ge 2919)$$

$$B_{\bar{N}}(2N+3280) = B_{\bar{N}}(2N+3280-B_{\bar{N}}(2N+3279)) + B_{\bar{N}}(2N+3280-B_{\bar{N}}(2N+3278)) + B_{\bar{N}}(2N+3280-B_{\bar{N}}(2N+3277))$$

$$= B_{\bar{N}}(2N+3280-(N+3414)) + B_{\bar{N}}(2N+3280-(2N+2653)) + B_{\bar{N}}(2N+3280-(N+3410))$$

$$= B_{\bar{N}}(N-134) + B_{\bar{N}}(627) + B_{\bar{N}}(N-130) = (N-134) + 627 + (N-130) = 2N + 363$$

$$(N \ge 627)$$

$$B_{\bar{N}}(2N+3281) = B_{\bar{N}}(2N+3281 - B_{\bar{N}}(2N+3280)) + B_{\bar{N}}(2N+3281 - B_{\bar{N}}(2N+3279)) + B_{\bar{N}}(2N+3281 - B_{\bar{N}}(2N+3278))$$

$$= B_{\bar{N}}(2N+3281 - (2N+363)) + B_{\bar{N}}(2N+3281 - (N+3414)) + B_{\bar{N}}(2N+3281 - (2N+2653))$$

$$= B_{\bar{N}}(2918) + B_{\bar{N}}(N-133) + B_{\bar{N}}(628) = 2918 + (N-133) + 628 = N + 3413$$

$$(N \ge 2918)$$

$$B_{\bar{N}}(2N+3282) = B_{\bar{N}}(2N+3282-B_{\bar{N}}(2N+3281)) + B_{\bar{N}}(2N+3282-B_{\bar{N}}(2N+3280)) + B_{\bar{N}}(2N+3282-B_{\bar{N}}(2N+3279))$$

$$= B_{\bar{N}}(2N+3282-(N+3413)) + B_{\bar{N}}(2N+3282-(2N+363)) + B_{\bar{N}}(2N+3282-(N+3414))$$

$$= B_{\bar{N}}(N-131) + B_{\bar{N}}(2919) + B_{\bar{N}}(N-132) = (N-131) + 2919 + (N-132) = 2N + 2656$$

$$(N \ge 2919)$$

$$B_{\bar{N}}(2N+3283) = B_{\bar{N}}(2N+3283-B_{\bar{N}}(2N+3282)) + B_{\bar{N}}(2N+3283-B_{\bar{N}}(2N+3281)) + B_{\bar{N}}(2N+3283-B_{\bar{N}}(2N+3280))$$

$$= B_{\bar{N}}(2N+3283-(2N+2656)) + B_{\bar{N}}(2N+3283-(N+3413)) + B_{\bar{N}}(2N+3283-(2N+363))$$

$$= B_{\bar{N}}(627) + B_{\bar{N}}(N-130) + B_{\bar{N}}(2920) = 627 + (N-130) + 2920 = N + 3417$$

$$(N \ge 2920)$$

$$B_{\bar{N}}(2N+3284) = B_{\bar{N}}(2N+3284-B_{\bar{N}}(2N+3283)) + B_{\bar{N}}(2N+3284-B_{\bar{N}}(2N+3282)) + B_{\bar{N}}(2N+3284-B_{\bar{N}}(2N+3281))$$

$$= B_{\bar{N}}(2N+3284-(N+3417)) + B_{\bar{N}}(2N+3284-(2N+2656)) + B_{\bar{N}}(2N+3284-(N+3413))$$

$$= B_{\bar{N}}(N-133) + B_{\bar{N}}(628) + B_{\bar{N}}(N-129) = (N-133) + 628 + (N-129) = 2N + 366$$

$$(N \ge 628)$$

$$B_{\bar{N}}(2N+3285) = B_{\bar{N}}(2N+3285-B_{\bar{N}}(2N+3284)) + B_{\bar{N}}(2N+3285-B_{\bar{N}}(2N+3283)) + B_{\bar{N}}(2N+3285-B_{\bar{N}}(2N+3282))$$

$$= B_{\bar{N}}(2N+3285-(2N+366)) + B_{\bar{N}}(2N+3285-(N+3417)) + B_{\bar{N}}(2N+3285-(2N+2656))$$

$$= B_{\bar{N}}(2919) + B_{\bar{N}}(N-132) + B_{\bar{N}}(629) = 2919 + (N-132) + 629 = N + 3416$$

$$(N \ge 2919)$$

$$B_{\bar{N}}(2N+3286) = B_{\bar{N}}(2N+3286-B_{\bar{N}}(2N+3285)) + B_{\bar{N}}(2N+3286-B_{\bar{N}}(2N+3284)) + B_{\bar{N}}(2N+3286-B_{\bar{N}}(2N+3283))$$

$$= B_{\bar{N}}(2N+3286-(N+3416)) + B_{\bar{N}}(2N+3286-(2N+366)) + B_{\bar{N}}(2N+3286-(N+3417))$$

$$= B_{\bar{N}}(N-130) + B_{\bar{N}}(2920) + B_{\bar{N}}(N-131) = (N-130) + 2920 + (N-131) = 2N + 2659$$

$$(N > 2920)$$

$$B_{\bar{N}}(2N+3287) = B_{\bar{N}}(2N+3287 - B_{\bar{N}}(2N+3286)) + B_{\bar{N}}(2N+3287 - B_{\bar{N}}(2N+3285)) + B_{\bar{N}}(2N+3287 - B_{\bar{N}}(2N+3284))$$

$$= B_{\bar{N}}(2N+3287 - (2N+2659)) + B_{\bar{N}}(2N+3287 - (N+3416)) + B_{\bar{N}}(2N+3287 - (2N+366))$$

$$= B_{\bar{N}}(628) + B_{\bar{N}}(N-129) + B_{\bar{N}}(2921) = 628 + (N-129) + 2921 = N + 3420$$

$$(N \ge 2921)$$

$$B_{\bar{N}}(2N+3288) = B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3287)) + B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3286)) + B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2N+3288-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3289) = B_{\bar{N}}(2N+3289 - B_{\bar{N}}(2N+3288)) + B_{\bar{N}}(2N+3289 - B_{\bar{N}}(2N+3287)) + B_{\bar{N}}(2N+3289 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3290) = B_{\bar{N}}(2N+3290 - B_{\bar{N}}(2N+3289)) + B_{\bar{N}}(2N+3290 - B_{\bar{N}}(2N+3288)) + B_{\bar{N}}(2N+3290 - B_{\bar{N}}(2N+3287))$$

$$= B_{\bar{N}}(2N+3290 - (N+3419)) + B_{\bar{N}}(2N+3290 - (2N+369)) + B_{\bar{N}}(2N+3290 - (N+3420))$$

$$= B_{\bar{N}}(N-129) + B_{\bar{N}}(2921) + B_{\bar{N}}(N-130) = (N-129) + 2921 + (N-130) = 2N + 2662$$

$$(N \ge 2921)$$

$$B_{\bar{N}}(2N+3291) = B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3290)) + B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291) + B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N+3291-B_{\bar{N}}(2N$$

$$B_{\bar{N}}(2N+3292) = B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3291)) + B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3290)) + B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2N+3292-B_{\bar{N}}(2$$

$$\begin{split} B_{\bar{N}}(2N+3293) &= B_{\bar{N}}(2N+3293-B_{\bar{N}}(2N+3292)) + B_{\bar{N}}(2N+3293-B_{\bar{N}}(2N+3291)) + B_{\bar{N}}(2N+3293-B_{\bar{N}}(2N+3290)) \\ &= B_{\bar{N}}(2N+3293-(2N+372)) + B_{\bar{N}}(2N+3293-(N+3423)) + B_{\bar{N}}(2N+3293-(2N+2662)) \\ &= B_{\bar{N}}(2921) + B_{\bar{N}}(N-130) + B_{\bar{N}}(631) = 2921 + (N-130) + 631 = N + 3422 \\ &(N \geq 2921) \end{split}$$

$$B_{\bar{N}}(2N+3294) = B_{\bar{N}}(2N+3294-B_{\bar{N}}(2N+3293)) + B_{\bar{N}}(2N+3294-B_{\bar{N}}(2N+3292)) + B_{\bar{N}}(2N+3294-B_{\bar{N}}(2N+3291))$$

$$= B_{\bar{N}}(2N+3294-(N+3422)) + B_{\bar{N}}(2N+3294-(2N+372)) + B_{\bar{N}}(2N+3294-(N+3423))$$

$$= B_{\bar{N}}(N-128) + B_{\bar{N}}(2922) + B_{\bar{N}}(N-129) = (N-128) + 2922 + (N-129) = 2N + 2665$$

$$(N \ge 2922)$$

$$B_{\bar{N}}(2N+3295) = B_{\bar{N}}(2N+3295-B_{\bar{N}}(2N+3294)) + B_{\bar{N}}(2N+3295-B_{\bar{N}}(2N+3293)) + B_{\bar{N}}(2N+3295-B_{\bar{N}}(2N+3292))$$

$$= B_{\bar{N}}(2N+3295-(2N+2665)) + B_{\bar{N}}(2N+3295-(N+3422)) + B_{\bar{N}}(2N+3295-(2N+372))$$

$$= B_{\bar{N}}(630) + B_{\bar{N}}(N-127) + B_{\bar{N}}(2923) = 630 + (N-127) + 2923 = N + 3426$$

$$(N \ge 2923)$$

$$B_{\bar{N}}(2N+3296) = B_{\bar{N}}(2N+3296-B_{\bar{N}}(2N+3295)) + B_{\bar{N}}(2N+3296-B_{\bar{N}}(2N+3294)) + B_{\bar{N}}(2N+3296-B_{\bar{N}}(2N+3293))$$

$$= B_{\bar{N}}(2N+3296-(N+3426)) + B_{\bar{N}}(2N+3296-(2N+2665)) + B_{\bar{N}}(2N+3296-(N+3422))$$

$$= B_{\bar{N}}(N-130) + B_{\bar{N}}(631) + B_{\bar{N}}(N-126) = (N-130) + 631 + (N-126) = 2N + 375$$

$$(N \ge 631)$$

$$B_{\bar{N}}(2N+3297) = B_{\bar{N}}(2N+3297 - B_{\bar{N}}(2N+3296)) + B_{\bar{N}}(2N+3297 - B_{\bar{N}}(2N+3295)) + B_{\bar{N}}(2N+3297 - B_{\bar{N}}(2N+3294))$$

$$= B_{\bar{N}}(2N+3297 - (2N+375)) + B_{\bar{N}}(2N+3297 - (N+3426)) + B_{\bar{N}}(2N+3297 - (2N+2665))$$

$$= B_{\bar{N}}(2922) + B_{\bar{N}}(N-129) + B_{\bar{N}}(632) = 2922 + (N-129) + 632 = N + 3425$$

$$(N \ge 2922)$$

$$B_{\bar{N}}(2N+3298) = B_{\bar{N}}(2N+3298-B_{\bar{N}}(2N+3297)) + B_{\bar{N}}(2N+3298-B_{\bar{N}}(2N+3296)) + B_{\bar{N}}(2N+3298-B_{\bar{N}}(2N+3295))$$

$$= B_{\bar{N}}(2N+3298-(N+3425)) + B_{\bar{N}}(2N+3298-(2N+375)) + B_{\bar{N}}(2N+3298-(N+3426))$$

$$= B_{\bar{N}}(N-127) + B_{\bar{N}}(2923) + B_{\bar{N}}(N-128) = (N-127) + 2923 + (N-128) = 2N + 2668$$

$$(N \ge 2923)$$

$$B_{\bar{N}}(2N+3299) = B_{\bar{N}}(2N+3299 - B_{\bar{N}}(2N+3298)) + B_{\bar{N}}(2N+3299 - B_{\bar{N}}(2N+3297)) + B_{\bar{N}}(2N+3299 - B_{\bar{N}}(2N+3296))$$

$$= B_{\bar{N}}(2N+3299 - (2N+2668)) + B_{\bar{N}}(2N+3299 - (N+3425)) + B_{\bar{N}}(2N+3299 - (2N+375))$$

$$= B_{\bar{N}}(631) + B_{\bar{N}}(N-126) + B_{\bar{N}}(2924) = 631 + (N-126) + 2924 = N + 3429$$

$$(N \ge 2924)$$

$$B_{\bar{N}}(2N+3300) = B_{\bar{N}}(2N+3300-B_{\bar{N}}(2N+3299)) + B_{\bar{N}}(2N+3300-B_{\bar{N}}(2N+3298)) + B_{\bar{N}}(2N+3300-B_{\bar{N}}(2N+3297))$$

$$= B_{\bar{N}}(2N+3300-(N+3429)) + B_{\bar{N}}(2N+3300-(2N+2668)) + B_{\bar{N}}(2N+3300-(N+3425))$$

$$= B_{\bar{N}}(N-129) + B_{\bar{N}}(632) + B_{\bar{N}}(N-125) = (N-129) + 632 + (N-125) = 2N + 378$$

$$(N \ge 632)$$

$$B_{\bar{N}}(2N+3301) = B_{\bar{N}}(2N+3301 - B_{\bar{N}}(2N+3300)) + B_{\bar{N}}(2N+3301 - B_{\bar{N}}(2N+3299)) + B_{\bar{N}}(2N+3301 - B_{\bar{N}}(2N+3298))$$

$$= B_{\bar{N}}(2N+3301 - (2N+378)) + B_{\bar{N}}(2N+3301 - (N+3429)) + B_{\bar{N}}(2N+3301 - (2N+2668))$$

$$= B_{\bar{N}}(2923) + B_{\bar{N}}(N-128) + B_{\bar{N}}(633) = 2923 + (N-128) + 633 = N + 3428$$

$$(N \ge 2923)$$

$$B_{\bar{N}}(2N+3302) = B_{\bar{N}}(2N+3302-B_{\bar{N}}(2N+3301)) + B_{\bar{N}}(2N+3302-B_{\bar{N}}(2N+3300)) + B_{\bar{N}}(2N+3302-B_{\bar{N}}(2N+3299))$$

$$= B_{\bar{N}}(2N+3302-(N+3428)) + B_{\bar{N}}(2N+3302-(2N+378)) + B_{\bar{N}}(2N+3302-(N+3429))$$

$$= B_{\bar{N}}(N-126) + B_{\bar{N}}(2924) + B_{\bar{N}}(N-127) = (N-126) + 2924 + (N-127) = 2N + 2671$$

$$(N \ge 2924)$$

$$B_{\bar{N}}(2N+3303) = B_{\bar{N}}(2N+3303-B_{\bar{N}}(2N+3302)) + B_{\bar{N}}(2N+3303-B_{\bar{N}}(2N+3301)) + B_{\bar{N}}(2N+3303-B_{\bar{N}}(2N+3300))$$

$$= B_{\bar{N}}(2N+3303-(2N+2671)) + B_{\bar{N}}(2N+3303-(N+3428)) + B_{\bar{N}}(2N+3303-(2N+378))$$

$$= B_{\bar{N}}(632) + B_{\bar{N}}(N-125) + B_{\bar{N}}(2925) = 632 + (N-125) + 2925 = N + 3432$$

$$(N \ge 2925)$$

$$B_{\bar{N}}(2N+3304) = B_{\bar{N}}(2N+3304-B_{\bar{N}}(2N+3303)) + B_{\bar{N}}(2N+3304-B_{\bar{N}}(2N+3302)) + B_{\bar{N}}(2N+3304-B_{\bar{N}}(2N+3301))$$

$$= B_{\bar{N}}(2N+3304-(N+3432)) + B_{\bar{N}}(2N+3304-(2N+2671)) + B_{\bar{N}}(2N+3304-(N+3428))$$

$$= B_{\bar{N}}(N-128) + B_{\bar{N}}(633) + B_{\bar{N}}(N-124) = (N-128) + 633 + (N-124) = 2N + 381$$

$$(N \ge 633)$$

$$B_{\bar{N}}(2N+3305) = B_{\bar{N}}(2N+3305-B_{\bar{N}}(2N+3304)) + B_{\bar{N}}(2N+3305-B_{\bar{N}}(2N+3303)) + B_{\bar{N}}(2N+3305-B_{\bar{N}}(2N+3302))$$

$$= B_{\bar{N}}(2N+3305-(2N+381)) + B_{\bar{N}}(2N+3305-(N+3432)) + B_{\bar{N}}(2N+3305-(2N+2671))$$

$$= B_{\bar{N}}(2924) + B_{\bar{N}}(N-127) + B_{\bar{N}}(634) = 2924 + (N-127) + 634 = N + 3431$$

$$(N \ge 2924)$$

$$B_{\bar{N}}(2N+3306) = B_{\bar{N}}(2N+3306-B_{\bar{N}}(2N+3305)) + B_{\bar{N}}(2N+3306-B_{\bar{N}}(2N+3304)) + B_{\bar{N}}(2N+3306-B_{\bar{N}}(2N+3303))$$

$$= B_{\bar{N}}(2N+3306-(N+3431)) + B_{\bar{N}}(2N+3306-(2N+381)) + B_{\bar{N}}(2N+3306-(N+3432))$$

$$= B_{\bar{N}}(N-125) + B_{\bar{N}}(2925) + B_{\bar{N}}(N-126) = (N-125) + 2925 + (N-126) = 2N + 2674$$

$$(N \ge 2925)$$

$$B_{\bar{N}}(2N+3307) = B_{\bar{N}}(2N+3307 - B_{\bar{N}}(2N+3306)) + B_{\bar{N}}(2N+3307 - B_{\bar{N}}(2N+3305)) + B_{\bar{N}}(2N+3307 - B_{\bar{N}}(2N+3304))$$

$$= B_{\bar{N}}(2N+3307 - (2N+2674)) + B_{\bar{N}}(2N+3307 - (N+3431)) + B_{\bar{N}}(2N+3307 - (2N+381))$$

$$= B_{\bar{N}}(633) + B_{\bar{N}}(N-124) + B_{\bar{N}}(2926) = 633 + (N-124) + 2926 = N + 3435$$

$$(N > 2926)$$

$$B_{\bar{N}}(2N+3308) = B_{\bar{N}}(2N+3308-B_{\bar{N}}(2N+3307)) + B_{\bar{N}}(2N+3308-B_{\bar{N}}(2N+3306)) + B_{\bar{N}}(2N+3308-B_{\bar{N}}(2N+3305))$$

$$= B_{\bar{N}}(2N+3308-(N+3435)) + B_{\bar{N}}(2N+3308-(2N+2674)) + B_{\bar{N}}(2N+3308-(N+3431))$$

$$= B_{\bar{N}}(N-127) + B_{\bar{N}}(634) + B_{\bar{N}}(N-123) = (N-127) + 634 + (N-123) = 2N + 384$$

$$(N \ge 634)$$

$$B_{\bar{N}}(2N+3309) = B_{\bar{N}}(2N+3309 - B_{\bar{N}}(2N+3308)) + B_{\bar{N}}(2N+3309 - B_{\bar{N}}(2N+3307)) + B_{\bar{N}}(2N+3309 - B_{\bar{N}}(2N+3306))$$

$$= B_{\bar{N}}(2N+3309 - (2N+384)) + B_{\bar{N}}(2N+3309 - (N+3435)) + B_{\bar{N}}(2N+3309 - (2N+2674))$$

$$= B_{\bar{N}}(2925) + B_{\bar{N}}(N-126) + B_{\bar{N}}(635) = 2925 + (N-126) + 635 = N + 3434$$

$$(N \ge 2925)$$

$$B_{\bar{N}}(2N+3310) = B_{\bar{N}}(2N+3310-B_{\bar{N}}(2N+3309)) + B_{\bar{N}}(2N+3310-B_{\bar{N}}(2N+3308)) + B_{\bar{N}}(2N+3310-B_{\bar{N}}(2N+3307))$$

$$= B_{\bar{N}}(2N+3310-(N+3434)) + B_{\bar{N}}(2N+3310-(2N+384)) + B_{\bar{N}}(2N+3310-(N+3435))$$

$$= B_{\bar{N}}(N-124) + B_{\bar{N}}(2926) + B_{\bar{N}}(N-125) = (N-124) + 2926 + (N-125) = 2N + 2677$$

$$(N \ge 2926)$$

$$\begin{split} B_{\bar{N}}(2N+3311) &= B_{\bar{N}}(2N+3311-B_{\bar{N}}(2N+3310)) + B_{\bar{N}}(2N+3311-B_{\bar{N}}(2N+3309)) + B_{\bar{N}}(2N+3311-B_{\bar{N}}(2N+3308)) \\ &= B_{\bar{N}}(2N+3311-(2N+2677)) + B_{\bar{N}}(2N+3311-(N+3434)) + B_{\bar{N}}(2N+3311-(2N+384)) \\ &= B_{\bar{N}}(634) + B_{\bar{N}}(N-123) + B_{\bar{N}}(2927) = 634 + (N-123) + 2927 = N + 3438 \\ &(N > 2927) \end{split}$$

$$B_{\bar{N}}(2N+3312) = B_{\bar{N}}(2N+3312-B_{\bar{N}}(2N+3311)) + B_{\bar{N}}(2N+3312-B_{\bar{N}}(2N+3310)) + B_{\bar{N}}(2N+3312-B_{\bar{N}}(2N+3309))$$

$$= B_{\bar{N}}(2N+3312-(N+3438)) + B_{\bar{N}}(2N+3312-(2N+2677)) + B_{\bar{N}}(2N+3312-(N+3434))$$

$$= B_{\bar{N}}(N-126) + B_{\bar{N}}(635) + B_{\bar{N}}(N-122) = (N-126) + 635 + (N-122) = 2N + 387$$

$$(N \ge 635)$$

$$B_{\bar{N}}(2N+3313) = B_{\bar{N}}(2N+3313-B_{\bar{N}}(2N+3312)) + B_{\bar{N}}(2N+3313-B_{\bar{N}}(2N+3311)) + B_{\bar{N}}(2N+3313-B_{\bar{N}}(2N+3310))$$

$$= B_{\bar{N}}(2N+3313-(2N+387)) + B_{\bar{N}}(2N+3313-(N+3438)) + B_{\bar{N}}(2N+3313-(2N+2677))$$

$$= B_{\bar{N}}(2926) + B_{\bar{N}}(N-125) + B_{\bar{N}}(636) = 2926 + (N-125) + 636 = N + 3437$$

$$(N \ge 2926)$$

$$B_{\bar{N}}(2N+3314) = B_{\bar{N}}(2N+3314-B_{\bar{N}}(2N+3313)) + B_{\bar{N}}(2N+3314-B_{\bar{N}}(2N+3312)) + B_{\bar{N}}(2N+3314-B_{\bar{N}}(2N+3311))$$

$$= B_{\bar{N}}(2N+3314-(N+3437)) + B_{\bar{N}}(2N+3314-(2N+387)) + B_{\bar{N}}(2N+3314-(N+3438))$$

$$= B_{\bar{N}}(N-123) + B_{\bar{N}}(2927) + B_{\bar{N}}(N-124) = (N-123) + 2927 + (N-124) = 2N + 2680$$

$$(N \ge 2927)$$

$$B_{\bar{N}}(2N+3315) = B_{\bar{N}}(2N+3315-B_{\bar{N}}(2N+3314)) + B_{\bar{N}}(2N+3315-B_{\bar{N}}(2N+3313)) + B_{\bar{N}}(2N+3315-B_{\bar{N}}(2N+3312))$$

$$= B_{\bar{N}}(2N+3315-(2N+2680)) + B_{\bar{N}}(2N+3315-(N+3437)) + B_{\bar{N}}(2N+3315-(2N+387))$$

$$= B_{\bar{N}}(635) + B_{\bar{N}}(N-122) + B_{\bar{N}}(2928) = 635 + (N-122) + 2928 = N + 3441$$

$$(N \ge 2928)$$

$$B_{\bar{N}}(2N+3316) = B_{\bar{N}}(2N+3316-B_{\bar{N}}(2N+3315)) + B_{\bar{N}}(2N+3316-B_{\bar{N}}(2N+3314)) + B_{\bar{N}}(2N+3316-B_{\bar{N}}(2N+3313))$$

$$= B_{\bar{N}}(2N+3316-(N+3441)) + B_{\bar{N}}(2N+3316-(2N+2680)) + B_{\bar{N}}(2N+3316-(N+3437))$$

$$= B_{\bar{N}}(N-125) + B_{\bar{N}}(636) + B_{\bar{N}}(N-121) = (N-125) + 636 + (N-121) = 2N + 390$$

$$(N > 636)$$

$$B_{\bar{N}}(2N+3317) = B_{\bar{N}}(2N+3317 - B_{\bar{N}}(2N+3316)) + B_{\bar{N}}(2N+3317 - B_{\bar{N}}(2N+3315)) + B_{\bar{N}}(2N+3317 - B_{\bar{N}}(2N+3314))$$

$$= B_{\bar{N}}(2N+3317 - (2N+390)) + B_{\bar{N}}(2N+3317 - (N+3441)) + B_{\bar{N}}(2N+3317 - (2N+2680))$$

$$= B_{\bar{N}}(2927) + B_{\bar{N}}(N-124) + B_{\bar{N}}(637) = 2927 + (N-124) + 637 = N + 3440$$

$$(N \ge 2927)$$

$$B_{\bar{N}}(2N+3318) = B_{\bar{N}}(2N+3318-B_{\bar{N}}(2N+3317)) + B_{\bar{N}}(2N+3318-B_{\bar{N}}(2N+3316)) + B_{\bar{N}}(2N+3318-B_{\bar{N}}(2N+3315))$$

$$= B_{\bar{N}}(2N+3318-(N+3440)) + B_{\bar{N}}(2N+3318-(2N+390)) + B_{\bar{N}}(2N+3318-(N+3441))$$

$$= B_{\bar{N}}(N-122) + B_{\bar{N}}(2928) + B_{\bar{N}}(N-123) = (N-122) + 2928 + (N-123) = 2N + 2683$$

$$(N \ge 2928)$$

$$B_{\bar{N}}(2N+3319) = B_{\bar{N}}(2N+3319 - B_{\bar{N}}(2N+3318)) + B_{\bar{N}}(2N+3319 - B_{\bar{N}}(2N+3317)) + B_{\bar{N}}(2N+3319 - B_{\bar{N}}(2N+3316))$$

$$= B_{\bar{N}}(2N+3319 - (2N+2683)) + B_{\bar{N}}(2N+3319 - (N+3440)) + B_{\bar{N}}(2N+3319 - (2N+390))$$

$$= B_{\bar{N}}(636) + B_{\bar{N}}(N-121) + B_{\bar{N}}(2929) = 636 + (N-121) + 2929 = N + 3444$$

$$(N \ge 2929)$$

$$B_{\bar{N}}(2N+3320) = B_{\bar{N}}(2N+3320-B_{\bar{N}}(2N+3319)) + B_{\bar{N}}(2N+3320-B_{\bar{N}}(2N+3318)) + B_{\bar{N}}(2N+3320-B_{\bar{N}}(2N+3317))$$

$$= B_{\bar{N}}(2N+3320-(N+3444)) + B_{\bar{N}}(2N+3320-(2N+2683)) + B_{\bar{N}}(2N+3320-(N+3440))$$

$$= B_{\bar{N}}(N-124) + B_{\bar{N}}(637) + B_{\bar{N}}(N-120) = (N-124) + 637 + (N-120) = 2N + 393$$

$$(N \ge 637)$$

$$B_{\bar{N}}(2N+3321) = B_{\bar{N}}(2N+3321 - B_{\bar{N}}(2N+3320)) + B_{\bar{N}}(2N+3321 - B_{\bar{N}}(2N+3319)) + B_{\bar{N}}(2N+3321 - B_{\bar{N}}(2N+3318))$$

$$= B_{\bar{N}}(2N+3321 - (2N+393)) + B_{\bar{N}}(2N+3321 - (N+3444)) + B_{\bar{N}}(2N+3321 - (2N+2683))$$

$$= B_{\bar{N}}(2928) + B_{\bar{N}}(N-123) + B_{\bar{N}}(638) = 2928 + (N-123) + 638 = N + 3443$$

$$(N \ge 2928)$$

$$B_{\bar{N}}(2N+3322) = B_{\bar{N}}(2N+3322-B_{\bar{N}}(2N+3321)) + B_{\bar{N}}(2N+3322-B_{\bar{N}}(2N+3320)) + B_{\bar{N}}(2N+3322-B_{\bar{N}}(2N+3319))$$

$$= B_{\bar{N}}(2N+3322-(N+3443)) + B_{\bar{N}}(2N+3322-(2N+393)) + B_{\bar{N}}(2N+3322-(N+3444))$$

$$= B_{\bar{N}}(N-121) + B_{\bar{N}}(2929) + B_{\bar{N}}(N-122) = (N-121) + 2929 + (N-122) = 2N + 2686$$

$$(N > 2929)$$

$$B_{\bar{N}}(2N+3323) = B_{\bar{N}}(2N+3323-B_{\bar{N}}(2N+3322)) + B_{\bar{N}}(2N+3323-B_{\bar{N}}(2N+3321)) + B_{\bar{N}}(2N+3323-B_{\bar{N}}(2N+3320))$$

$$= B_{\bar{N}}(2N+3323-(2N+2686)) + B_{\bar{N}}(2N+3323-(N+3443)) + B_{\bar{N}}(2N+3323-(2N+393))$$

$$= B_{\bar{N}}(637) + B_{\bar{N}}(N-120) + B_{\bar{N}}(2930) = 637 + (N-120) + 2930 = N + 3447$$

$$(N \ge 2930)$$

$$B_{\bar{N}}(2N+3324) = B_{\bar{N}}(2N+3324-B_{\bar{N}}(2N+3323)) + B_{\bar{N}}(2N+3324-B_{\bar{N}}(2N+3322)) + B_{\bar{N}}(2N+3324-B_{\bar{N}}(2N+3321))$$

$$= B_{\bar{N}}(2N+3324-(N+3447)) + B_{\bar{N}}(2N+3324-(2N+2686)) + B_{\bar{N}}(2N+3324-(N+3443))$$

$$= B_{\bar{N}}(N-123) + B_{\bar{N}}(638) + B_{\bar{N}}(N-119) = (N-123) + 638 + (N-119) = 2N + 396$$

$$(N \ge 638)$$

$$B_{\bar{N}}(2N+3325) = B_{\bar{N}}(2N+3325-B_{\bar{N}}(2N+3324)) + B_{\bar{N}}(2N+3325-B_{\bar{N}}(2N+3323)) + B_{\bar{N}}(2N+3325-B_{\bar{N}}(2N+3325))$$

$$= B_{\bar{N}}(2N+3325-(2N+396)) + B_{\bar{N}}(2N+3325-(N+3447)) + B_{\bar{N}}(2N+3325-(2N+2686))$$

$$= B_{\bar{N}}(2929) + B_{\bar{N}}(N-122) + B_{\bar{N}}(639) = 2929 + (N-122) + 639 = N + 3446$$

$$(N \ge 2929)$$

$$B_{\bar{N}}(2N+3326) = B_{\bar{N}}(2N+3326-B_{\bar{N}}(2N+3325)) + B_{\bar{N}}(2N+3326-B_{\bar{N}}(2N+3324)) + B_{\bar{N}}(2N+3326-B_{\bar{N}}(2N+3323))$$

$$= B_{\bar{N}}(2N+3326-(N+3446)) + B_{\bar{N}}(2N+3326-(2N+396)) + B_{\bar{N}}(2N+3326-(N+3447))$$

$$= B_{\bar{N}}(N-120) + B_{\bar{N}}(2930) + B_{\bar{N}}(N-121) = (N-120) + 2930 + (N-121) = 2N + 2689$$

$$(N \ge 2930)$$

$$B_{\bar{N}}(2N+3327) = B_{\bar{N}}(2N+3327 - B_{\bar{N}}(2N+3326)) + B_{\bar{N}}(2N+3327 - B_{\bar{N}}(2N+3325)) + B_{\bar{N}}(2N+3327 - B_{\bar{N}}(2N+3324))$$

$$= B_{\bar{N}}(2N+3327 - (2N+2689)) + B_{\bar{N}}(2N+3327 - (N+3446)) + B_{\bar{N}}(2N+3327 - (2N+396))$$

$$= B_{\bar{N}}(638) + B_{\bar{N}}(N-119) + B_{\bar{N}}(2931) = 638 + (N-119) + 2931 = N + 3450$$

$$(N > 2931)$$

$$B_{\bar{N}}(2N+3328) = B_{\bar{N}}(2N+3328-B_{\bar{N}}(2N+3327)) + B_{\bar{N}}(2N+3328-B_{\bar{N}}(2N+3326)) + B_{\bar{N}}(2N+3328-B_{\bar{N}}(2N+3325))$$

$$= B_{\bar{N}}(2N+3328-(N+3450)) + B_{\bar{N}}(2N+3328-(2N+2689)) + B_{\bar{N}}(2N+3328-(N+3446))$$

$$= B_{\bar{N}}(N-122) + B_{\bar{N}}(639) + B_{\bar{N}}(N-118) = (N-122) + 639 + (N-118) = 2N + 399$$

$$(N \ge 639)$$

$$B_{\bar{N}}(2N+3329) = B_{\bar{N}}(2N+3329 - B_{\bar{N}}(2N+3328)) + B_{\bar{N}}(2N+3329 - B_{\bar{N}}(2N+3327)) + B_{\bar{N}}(2N+3329 - B_{\bar{N}}(2N+329 - B_{\bar{N}}($$

$$\begin{split} B_{\bar{N}}(2N+3330) &= B_{\bar{N}}(2N+3330-B_{\bar{N}}(2N+3329)) + B_{\bar{N}}(2N+3330-B_{\bar{N}}(2N+3328)) + B_{\bar{N}}(2N+3330-B_{\bar{N}}(2N+3327)) \\ &= B_{\bar{N}}(2N+3330-(N+3449)) + B_{\bar{N}}(2N+3330-(2N+399)) + B_{\bar{N}}(2N+3330-(N+3450)) \\ &= B_{\bar{N}}(N-119) + B_{\bar{N}}(2931) + B_{\bar{N}}(N-120) = (N-119) + 2931 + (N-120) = 2N + 2692 \\ &(N \geq 2931) \end{split}$$

$$B_{\bar{N}}(2N+3331) = B_{\bar{N}}(2N+3331-B_{\bar{N}}(2N+3330)) + B_{\bar{N}}(2N+3331-B_{\bar{N}}(2N+3329)) + B_{\bar{N}}(2N+3331-B_{\bar{N}}(2N+3328))$$

$$= B_{\bar{N}}(2N+3331-(2N+2692)) + B_{\bar{N}}(2N+3331-(N+3449)) + B_{\bar{N}}(2N+3331-(2N+399))$$

$$= B_{\bar{N}}(639) + B_{\bar{N}}(N-118) + B_{\bar{N}}(2932) = 639 + (N-118) + 2932 = N + 3453$$

$$(N \ge 2932)$$

$$B_{\bar{N}}(2N+3332) = B_{\bar{N}}(2N+3332-B_{\bar{N}}(2N+3331)) + B_{\bar{N}}(2N+3332-B_{\bar{N}}(2N+3330)) + B_{\bar{N}}(2N+3332-B_{\bar{N}}(2N+3329))$$

$$= B_{\bar{N}}(2N+3332-(N+3453)) + B_{\bar{N}}(2N+3332-(2N+2692)) + B_{\bar{N}}(2N+3332-(N+3449))$$

$$= B_{\bar{N}}(N-121) + B_{\bar{N}}(640) + B_{\bar{N}}(N-117) = (N-121) + 640 + (N-117) = 2N + 402$$

$$(N > 640)$$

$$B_{\bar{N}}(2N+3333) = B_{\bar{N}}(2N+3333-B_{\bar{N}}(2N+3332)) + B_{\bar{N}}(2N+3333-B_{\bar{N}}(2N+3331)) + B_{\bar{N}}(2N+3333-B_{\bar{N}}(2N+3330))$$

$$= B_{\bar{N}}(2N+3333-(2N+402)) + B_{\bar{N}}(2N+3333-(N+3453)) + B_{\bar{N}}(2N+3333-(2N+2692))$$

$$= B_{\bar{N}}(2931) + B_{\bar{N}}(N-120) + B_{\bar{N}}(641) = 2931 + (N-120) + 641 = N + 3452$$

$$(N \ge 2931)$$

$$B_{\bar{N}}(2N+3334) = B_{\bar{N}}(2N+3334-B_{\bar{N}}(2N+3333)) + B_{\bar{N}}(2N+3334-B_{\bar{N}}(2N+3332)) + B_{\bar{N}}(2N+3334-B_{\bar{N}}(2N+3331))$$

$$= B_{\bar{N}}(2N+3334-(N+3452)) + B_{\bar{N}}(2N+3334-(2N+402)) + B_{\bar{N}}(2N+3334-(N+3453))$$

$$= B_{\bar{N}}(N-118) + B_{\bar{N}}(2932) + B_{\bar{N}}(N-119) = (N-118) + 2932 + (N-119) = 2N + 2695$$

$$(N \ge 2932)$$

$$B_{\bar{N}}(2N+3335) = B_{\bar{N}}(2N+3335-B_{\bar{N}}(2N+3334)) + B_{\bar{N}}(2N+3335-B_{\bar{N}}(2N+3335)) + B_{\bar{N}}(2N+3335-B_{\bar{N}}(2N+3335))$$

$$= B_{\bar{N}}(2N+3335-(2N+2695)) + B_{\bar{N}}(2N+3335-(N+3452)) + B_{\bar{N}}(2N+3335-(2N+402))$$

$$= B_{\bar{N}}(640) + B_{\bar{N}}(N-117) + B_{\bar{N}}(2933) = 640 + (N-117) + 2933 = N + 3456$$

$$(N \ge 2933)$$

$$B_{\bar{N}}(2N+3336) = B_{\bar{N}}(2N+3336-B_{\bar{N}}(2N+3335)) + B_{\bar{N}}(2N+3336-B_{\bar{N}}(2N+3334)) + B_{\bar{N}}(2N+3336-B_{\bar{N}}(2N+3336))$$

$$= B_{\bar{N}}(2N+3336-(N+3456)) + B_{\bar{N}}(2N+3336-(2N+2695)) + B_{\bar{N}}(2N+3336-(N+3452))$$

$$= B_{\bar{N}}(N-120) + B_{\bar{N}}(641) + B_{\bar{N}}(N-116) = (N-120) + 641 + (N-116) = 2N + 405$$

$$(N > 641)$$

$$B_{\bar{N}}(2N+3337) = B_{\bar{N}}(2N+3337 - B_{\bar{N}}(2N+3336)) + B_{\bar{N}}(2N+3337 - B_{\bar{N}}(2N+3335)) + B_{\bar{N}}(2N+3337 - B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+3337 - B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+337 - B_{\bar{N}}(2N+337 - B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3338) = B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3337)) + B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3336)) + B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+3338-B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+3339) = B_{\bar{N}}(2N+3339 - B_{\bar{N}}(2N+3338)) + B_{\bar{N}}(2N+3339 - B_{\bar{N}}(2N+3337)) + B_{\bar{N}}(2N+3339 - B_{\bar{N}}(2N+339 - B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+39 - B_{\bar{N}}(2N+39 - B_{\bar{N}$$

$$B_{\bar{N}}(2N+3340) = B_{\bar{N}}(2N+3340 - B_{\bar{N}}(2N+3339)) + B_{\bar{N}}(2N+3340 - B_{\bar{N}}(2N+3338)) + B_{\bar{N}}(2N+3340 - B_{\bar{N}}(2N+3337))$$

$$= B_{\bar{N}}(2N+3340 - (N+3459)) + B_{\bar{N}}(2N+3340 - (2N+2698)) + B_{\bar{N}}(2N+3340 - (N+3455))$$

$$= B_{\bar{N}}(N-119) + B_{\bar{N}}(642) + B_{\bar{N}}(N-115) = (N-119) + 642 + (N-115) = 2N + 408$$

$$(N \ge 642)$$

$$B_{\bar{N}}(2N+3341) = B_{\bar{N}}(2N+3341-B_{\bar{N}}(2N+3340)) + B_{\bar{N}}(2N+3341-B_{\bar{N}}(2N+3339)) + B_{\bar{N}}(2N+3341-B_{\bar{N}}(2N+3338))$$

$$= B_{\bar{N}}(2N+3341-(2N+408)) + B_{\bar{N}}(2N+3341-(N+3459)) + B_{\bar{N}}(2N+3341-(2N+2698))$$

$$= B_{\bar{N}}(2933) + B_{\bar{N}}(N-118) + B_{\bar{N}}(643) = 2933 + (N-118) + 643 = N + 3458$$

$$(N \ge 2933)$$

$$B_{\bar{N}}(2N+3342) = B_{\bar{N}}(2N+3342-B_{\bar{N}}(2N+3341)) + B_{\bar{N}}(2N+3342-B_{\bar{N}}(2N+3340)) + B_{\bar{N}}(2N+3342-B_{\bar{N}}(2N+3339))$$

$$= B_{\bar{N}}(2N+3342-(N+3458)) + B_{\bar{N}}(2N+3342-(2N+408)) + B_{\bar{N}}(2N+3342-(N+3459))$$

$$= B_{\bar{N}}(N-116) + B_{\bar{N}}(2934) + B_{\bar{N}}(N-117) = (N-116) + 2934 + (N-117) = 2N + 2701$$

$$(N \ge 2934)$$

$$B_{\bar{N}}(2N+3343) = B_{\bar{N}}(2N+3343-B_{\bar{N}}(2N+3342)) + B_{\bar{N}}(2N+3343-B_{\bar{N}}(2N+3341)) + B_{\bar{N}}(2N+3343-B_{\bar{N}}(2N+3340))$$

$$= B_{\bar{N}}(2N+3343-(2N+2701)) + B_{\bar{N}}(2N+3343-(N+3458)) + B_{\bar{N}}(2N+3343-(2N+408))$$

$$= B_{\bar{N}}(642) + B_{\bar{N}}(N-115) + B_{\bar{N}}(2935) = 642 + (N-115) + 2935 = N + 3462$$

$$(N \ge 2935)$$

$$B_{\bar{N}}(2N+3344) = B_{\bar{N}}(2N+3344-B_{\bar{N}}(2N+3343)) + B_{\bar{N}}(2N+3344-B_{\bar{N}}(2N+3342)) + B_{\bar{N}}(2N+3344-B_{\bar{N}}(2N+3341))$$

$$= B_{\bar{N}}(2N+3344-(N+3462)) + B_{\bar{N}}(2N+3344-(2N+2701)) + B_{\bar{N}}(2N+3344-(N+3458))$$

$$= B_{\bar{N}}(N-118) + B_{\bar{N}}(643) + B_{\bar{N}}(N-114) = (N-118) + 643 + (N-114) = 2N+411$$

$$(N \ge 643)$$

$$B_{\bar{N}}(2N+3345) = B_{\bar{N}}(2N+3345-B_{\bar{N}}(2N+3344)) + B_{\bar{N}}(2N+3345-B_{\bar{N}}(2N+3345)) + B_{\bar{N}}(2N+3345-B_{\bar{N}}(2N+3345-B_{\bar{N}}(2N+3345)) + B_{\bar{N}}(2N+3345-(2N+411)) + B_{\bar{N}}(2N+3345-(N+3462)) + B_{\bar{N}}(2N+3345-(2N+2701)) = B_{\bar{N}}(2934) + B_{\bar{N}}(N-117) + B_{\bar{N}}(644) = 2934 + (N-117) + 644 = N + 3461$$

$$(N \ge 2934)$$

$$B_{\bar{N}}(2N+3346) = B_{\bar{N}}(2N+3346-B_{\bar{N}}(2N+3345)) + B_{\bar{N}}(2N+3346-B_{\bar{N}}(2N+3344)) + B_{\bar{N}}(2N+3346-B_{\bar{N}}(2N+3343))$$

$$= B_{\bar{N}}(2N+3346-(N+3461)) + B_{\bar{N}}(2N+3346-(2N+411)) + B_{\bar{N}}(2N+3346-(N+3462))$$

$$= B_{\bar{N}}(N-115) + B_{\bar{N}}(2935) + B_{\bar{N}}(N-116) = (N-115) + 2935 + (N-116) = 2N + 2704$$

$$(N \ge 2935)$$

$$B_{\bar{N}}(2N+3347) = B_{\bar{N}}(2N+3347 - B_{\bar{N}}(2N+3346)) + B_{\bar{N}}(2N+3347 - B_{\bar{N}}(2N+3345)) + B_{\bar{N}}(2N+3347 - B_{\bar{N}}(2N+3347)) + B_{\bar{N}}(2N+3347 - (2N+2704)) + B_{\bar{N}}(2N+3347 - (N+3461)) + B_{\bar{N}}(2N+3347 - (2N+411)) + B_{\bar{N}}(643) + B_{\bar{N}}(N-114) + B_{\bar{N}}(2936) = 643 + (N-114) + 2936 = N + 3465 + (N \ge 2936)$$

$$B_{\bar{N}}(2N+3348) = B_{\bar{N}}(2N+3348-B_{\bar{N}}(2N+3347)) + B_{\bar{N}}(2N+3348-B_{\bar{N}}(2N+3346)) + B_{\bar{N}}(2N+3348-B_{\bar{N}}(2N+3345))$$

$$= B_{\bar{N}}(2N+3348-(N+3465)) + B_{\bar{N}}(2N+3348-(2N+2704)) + B_{\bar{N}}(2N+3348-(N+3461))$$

$$= B_{\bar{N}}(N-117) + B_{\bar{N}}(644) + B_{\bar{N}}(N-113) = (N-117) + 644 + (N-113) = 2N + 414$$

$$(N \ge 644)$$

$$B_{\bar{N}}(2N+3349) = B_{\bar{N}}(2N+3349 - B_{\bar{N}}(2N+3348)) + B_{\bar{N}}(2N+3349 - B_{\bar{N}}(2N+3347)) + B_{\bar{N}}(2N+3349 - B_{\bar{N}}(2N+349 - B_{\bar{N}}(2N+349$$

$$B_{\bar{N}}(2N+3350) = B_{\bar{N}}(2N+3350-B_{\bar{N}}(2N+3349)) + B_{\bar{N}}(2N+3350-B_{\bar{N}}(2N+3348)) + B_{\bar{N}}(2N+3350-B_{\bar{N}}(2N+3347))$$

$$= B_{\bar{N}}(2N+3350-(N+3464)) + B_{\bar{N}}(2N+3350-(2N+414)) + B_{\bar{N}}(2N+3350-(N+3465))$$

$$= B_{\bar{N}}(N-114) + B_{\bar{N}}(2936) + B_{\bar{N}}(N-115) = (N-114) + 2936 + (N-115) = 2N + 2707$$

$$(N \ge 2936)$$

$$B_{\bar{N}}(2N+3351) = B_{\bar{N}}(2N+3351-B_{\bar{N}}(2N+3350)) + B_{\bar{N}}(2N+3351-B_{\bar{N}}(2N+3349)) + B_{\bar{N}}(2N+3351-B_{\bar{N}}(2N+3348))$$

$$= B_{\bar{N}}(2N+3351-(2N+2707)) + B_{\bar{N}}(2N+3351-(N+3464)) + B_{\bar{N}}(2N+3351-(2N+414))$$

$$= B_{\bar{N}}(644) + B_{\bar{N}}(N-113) + B_{\bar{N}}(2937) = 644 + (N-113) + 2937 = N + 3468$$

$$(N \ge 2937)$$

$$B_{\bar{N}}(2N+3352) = B_{\bar{N}}(2N+3352-B_{\bar{N}}(2N+3351)) + B_{\bar{N}}(2N+3352-B_{\bar{N}}(2N+3350)) + B_{\bar{N}}(2N+3352-B_{\bar{N}}(2N+3349))$$

$$= B_{\bar{N}}(2N+3352-(N+3468)) + B_{\bar{N}}(2N+3352-(2N+2707)) + B_{\bar{N}}(2N+3352-(N+3464))$$

$$= B_{\bar{N}}(N-116) + B_{\bar{N}}(645) + B_{\bar{N}}(N-112) = (N-116) + 645 + (N-112) = 2N + 417$$

$$(N \ge 645)$$

$$B_{\bar{N}}(2N+3353) = B_{\bar{N}}(2N+3353-B_{\bar{N}}(2N+3352)) + B_{\bar{N}}(2N+3353-B_{\bar{N}}(2N+3351)) + B_{\bar{N}}(2N+3353-B_{\bar{N}}(2N+3350))$$

$$= B_{\bar{N}}(2N+3353-(2N+417)) + B_{\bar{N}}(2N+3353-(N+3468)) + B_{\bar{N}}(2N+3353-(2N+2707))$$

$$= B_{\bar{N}}(2936) + B_{\bar{N}}(N-115) + B_{\bar{N}}(646) = 2936 + (N-115) + 646 = N + 3467$$

$$(N \ge 2936)$$

$$B_{\bar{N}}(2N+3354) = B_{\bar{N}}(2N+3354-B_{\bar{N}}(2N+3353)) + B_{\bar{N}}(2N+3354-B_{\bar{N}}(2N+3352)) + B_{\bar{N}}(2N+3354-B_{\bar{N}}(2N+3351))$$

$$= B_{\bar{N}}(2N+3354-(N+3467)) + B_{\bar{N}}(2N+3354-(2N+417)) + B_{\bar{N}}(2N+3354-(N+3468))$$

$$= B_{\bar{N}}(N-113) + B_{\bar{N}}(2937) + B_{\bar{N}}(N-114) = (N-113) + 2937 + (N-114) = 2N + 2710$$

$$(N \ge 2937)$$

$$B_{\bar{N}}(2N+3355) = B_{\bar{N}}(2N+3355-B_{\bar{N}}(2N+3354)) + B_{\bar{N}}(2N+3355-B_{\bar{N}}(2N+3353)) + B_{\bar{N}}(2N+3355-B_{\bar{N}}(2N+3352))$$

$$= B_{\bar{N}}(2N+3355-(2N+2710)) + B_{\bar{N}}(2N+3355-(N+3467)) + B_{\bar{N}}(2N+3355-(2N+417))$$

$$= B_{\bar{N}}(645) + B_{\bar{N}}(N-112) + B_{\bar{N}}(2938) = 645 + (N-112) + 2938 = N + 3471$$

$$(N \ge 2938)$$

$$B_{\bar{N}}(2N+3356) = B_{\bar{N}}(2N+3356-B_{\bar{N}}(2N+3355)) + B_{\bar{N}}(2N+3356-B_{\bar{N}}(2N+3354)) + B_{\bar{N}}(2N+3356-B_{\bar{N}}(2N+3353))$$

$$= B_{\bar{N}}(2N+3356-(N+3471)) + B_{\bar{N}}(2N+3356-(2N+2710)) + B_{\bar{N}}(2N+3356-(N+3467))$$

$$= B_{\bar{N}}(N-115) + B_{\bar{N}}(646) + B_{\bar{N}}(N-111) = (N-115) + 646 + (N-111) = 2N + 420$$

$$(N \ge 646)$$

$$B_{\bar{N}}(2N+3357) = B_{\bar{N}}(2N+3357 - B_{\bar{N}}(2N+3356)) + B_{\bar{N}}(2N+3357 - B_{\bar{N}}(2N+3357)) + B_{\bar{N}}(2N+3357) + B_{\bar$$

$$B_{\bar{N}}(2N+3358) = B_{\bar{N}}(2N+3358-B_{\bar{N}}(2N+3357)) + B_{\bar{N}}(2N+3358-B_{\bar{N}}(2N+3356)) + B_{\bar{N}}(2N+3358-B_{\bar{N}}(2N+3355))$$

$$= B_{\bar{N}}(2N+3358-(N+3470)) + B_{\bar{N}}(2N+3358-(2N+420)) + B_{\bar{N}}(2N+3358-(N+3471))$$

$$= B_{\bar{N}}(N-112) + B_{\bar{N}}(2938) + B_{\bar{N}}(N-113) = (N-112) + 2938 + (N-113) = 2N + 2713$$

$$(N \ge 2938)$$

$$B_{\bar{N}}(2N+3359) = B_{\bar{N}}(2N+3359 - B_{\bar{N}}(2N+3358)) + B_{\bar{N}}(2N+3359 - B_{\bar{N}}(2N+3357)) + B_{\bar{N}}(2N+3359 - B_{\bar{N}}(2N+3359))$$

$$= B_{\bar{N}}(2N+3359 - (2N+2713)) + B_{\bar{N}}(2N+3359 - (N+3470)) + B_{\bar{N}}(2N+3359 - (2N+420))$$

$$= B_{\bar{N}}(646) + B_{\bar{N}}(N-111) + B_{\bar{N}}(2939) = 646 + (N-111) + 2939 = N + 3474$$

$$(N \ge 2939)$$

$$B_{\bar{N}}(2N+3360) = B_{\bar{N}}(2N+3360 - B_{\bar{N}}(2N+3359)) + B_{\bar{N}}(2N+3360 - B_{\bar{N}}(2N+3358)) + B_{\bar{N}}(2N+3360 - B_{\bar{N}}(2N+3357))$$

$$= B_{\bar{N}}(2N+3360 - (N+3474)) + B_{\bar{N}}(2N+3360 - (2N+2713)) + B_{\bar{N}}(2N+3360 - (N+3470))$$

$$= B_{\bar{N}}(N-114) + B_{\bar{N}}(647) + B_{\bar{N}}(N-110) = (N-114) + 647 + (N-110) = 2N + 423$$

$$(N \ge 647)$$

$$B_{\bar{N}}(2N+3361) = B_{\bar{N}}(2N+3361-B_{\bar{N}}(2N+3360)) + B_{\bar{N}}(2N+3361-B_{\bar{N}}(2N+3359)) + B_{\bar{N}}(2N+3361-B_{\bar{N}}(2N+3358))$$

$$= B_{\bar{N}}(2N+3361-(2N+423)) + B_{\bar{N}}(2N+3361-(N+3474)) + B_{\bar{N}}(2N+3361-(2N+2713))$$

$$= B_{\bar{N}}(2938) + B_{\bar{N}}(N-113) + B_{\bar{N}}(648) = 2938 + (N-113) + 648 = N + 3473$$

$$(N \ge 2938)$$

$$B_{\bar{N}}(2N+3362) = B_{\bar{N}}(2N+3362-B_{\bar{N}}(2N+3361)) + B_{\bar{N}}(2N+3362-B_{\bar{N}}(2N+3360)) + B_{\bar{N}}(2N+3362-B_{\bar{N}}(2N+3359))$$

$$= B_{\bar{N}}(2N+3362-(N+3473)) + B_{\bar{N}}(2N+3362-(2N+423)) + B_{\bar{N}}(2N+3362-(N+3474))$$

$$= B_{\bar{N}}(N-111) + B_{\bar{N}}(2939) + B_{\bar{N}}(N-112) = (N-111) + 2939 + (N-112) = 2N + 2716$$

$$(N \ge 2939)$$

$$B_{\bar{N}}(2N+3363) = B_{\bar{N}}(2N+3363-B_{\bar{N}}(2N+3362)) + B_{\bar{N}}(2N+3363-B_{\bar{N}}(2N+3361)) + B_{\bar{N}}(2N+3363-B_{\bar{N}}(2N+3360))$$

$$= B_{\bar{N}}(2N+3363-(2N+2716)) + B_{\bar{N}}(2N+3363-(N+3473)) + B_{\bar{N}}(2N+3363-(2N+423))$$

$$= B_{\bar{N}}(647) + B_{\bar{N}}(N-110) + B_{\bar{N}}(2940) = 647 + (N-110) + 2940 = N + 3477$$

$$(N \ge 2940)$$

$$B_{\bar{N}}(2N+3364) = B_{\bar{N}}(2N+3364-B_{\bar{N}}(2N+3363)) + B_{\bar{N}}(2N+3364-B_{\bar{N}}(2N+3362)) + B_{\bar{N}}(2N+3364-B_{\bar{N}}(2N+3361))$$

$$= B_{\bar{N}}(2N+3364-(N+3477)) + B_{\bar{N}}(2N+3364-(2N+2716)) + B_{\bar{N}}(2N+3364-(N+3473))$$

$$= B_{\bar{N}}(N-113) + B_{\bar{N}}(648) + B_{\bar{N}}(N-109) = (N-113) + 648 + (N-109) = 2N + 426$$

$$(N \ge 648)$$

$$B_{\bar{N}}(2N+3365) = B_{\bar{N}}(2N+3365-B_{\bar{N}}(2N+3364)) + B_{\bar{N}}(2N+3365-B_{\bar{N}}(2N+3363)) + B_{\bar{N}}(2N+3365-B_{\bar{N}}(2N+3362))$$

$$= B_{\bar{N}}(2N+3365-(2N+426)) + B_{\bar{N}}(2N+3365-(N+3477)) + B_{\bar{N}}(2N+3365-(2N+2716))$$

$$= B_{\bar{N}}(2939) + B_{\bar{N}}(N-112) + B_{\bar{N}}(649) = 2939 + (N-112) + 649 = N + 3476$$

$$(N \ge 2939)$$

$$B_{\bar{N}}(2N+3366) = B_{\bar{N}}(2N+3366-B_{\bar{N}}(2N+3365)) + B_{\bar{N}}(2N+3366-B_{\bar{N}}(2N+3364)) + B_{\bar{N}}(2N+3366-B_{\bar{N}}(2N+3363))$$

$$= B_{\bar{N}}(2N+3366-(N+3476)) + B_{\bar{N}}(2N+3366-(2N+426)) + B_{\bar{N}}(2N+3366-(N+3477))$$

$$= B_{\bar{N}}(N-110) + B_{\bar{N}}(2940) + B_{\bar{N}}(N-111) = (N-110) + 2940 + (N-111) = 2N + 2719$$

$$(N > 2940)$$

$$B_{\bar{N}}(2N+3367) = B_{\bar{N}}(2N+3367-B_{\bar{N}}(2N+3366)) + B_{\bar{N}}(2N+3367-B_{\bar{N}}(2N+3365)) + B_{\bar{N}}(2N+3367-B_{\bar{N}}(2N+3364))$$

$$= B_{\bar{N}}(2N+3367-(2N+2719)) + B_{\bar{N}}(2N+3367-(N+3476)) + B_{\bar{N}}(2N+3367-(2N+426))$$

$$= B_{\bar{N}}(648) + B_{\bar{N}}(N-109) + B_{\bar{N}}(2941) = 648 + (N-109) + 2941 = N + 3480$$

$$(N \ge 2941)$$

$$B_{\bar{N}}(2N+3368) = B_{\bar{N}}(2N+3368-B_{\bar{N}}(2N+3367)) + B_{\bar{N}}(2N+3368-B_{\bar{N}}(2N+3366)) + B_{\bar{N}}(2N+3368-B_{\bar{N}}(2N+3365))$$

$$= B_{\bar{N}}(2N+3368-(N+3480)) + B_{\bar{N}}(2N+3368-(2N+2719)) + B_{\bar{N}}(2N+3368-(N+3476))$$

$$= B_{\bar{N}}(N-112) + B_{\bar{N}}(649) + B_{\bar{N}}(N-108) = (N-112) + 649 + (N-108) = 2N + 429$$

$$(N \ge 649)$$

$$B_{\bar{N}}(2N+3369) = B_{\bar{N}}(2N+3369 - B_{\bar{N}}(2N+3368)) + B_{\bar{N}}(2N+3369 - B_{\bar{N}}(2N+3367)) + B_{\bar{N}}(2N+3369 - B_{\bar{N}}(2N+3369))$$

$$= B_{\bar{N}}(2N+3369 - (2N+429)) + B_{\bar{N}}(2N+3369 - (N+3480)) + B_{\bar{N}}(2N+3369 - (2N+2719))$$

$$= B_{\bar{N}}(2940) + B_{\bar{N}}(N-111) + B_{\bar{N}}(650) = 2940 + (N-111) + 650 = N + 3479$$

$$(N \ge 2940)$$

$$B_{\bar{N}}(2N+3370) = B_{\bar{N}}(2N+3370 - B_{\bar{N}}(2N+3369)) + B_{\bar{N}}(2N+3370 - B_{\bar{N}}(2N+3368)) + B_{\bar{N}}(2N+3370 - B_{\bar{N}}(2N+3367))$$

$$= B_{\bar{N}}(2N+3370 - (N+3479)) + B_{\bar{N}}(2N+3370 - (2N+429)) + B_{\bar{N}}(2N+3370 - (N+3480))$$

$$= B_{\bar{N}}(N-109) + B_{\bar{N}}(2941) + B_{\bar{N}}(N-110) = (N-109) + 2941 + (N-110) = 2N + 2722$$

$$(N \ge 2941)$$

$$B_{\bar{N}}(2N+3371) = B_{\bar{N}}(2N+3371 - B_{\bar{N}}(2N+3370)) + B_{\bar{N}}(2N+3371 - B_{\bar{N}}(2N+3369)) + B_{\bar{N}}(2N+3371 - B_{\bar{N}}(2N+3368))$$

$$= B_{\bar{N}}(2N+3371 - (2N+2722)) + B_{\bar{N}}(2N+3371 - (N+3479)) + B_{\bar{N}}(2N+3371 - (2N+429))$$

$$= B_{\bar{N}}(649) + B_{\bar{N}}(N-108) + B_{\bar{N}}(2942) = 649 + (N-108) + 2942 = N + 3483$$

$$(N \ge 2942)$$

$$B_{\bar{N}}(2N+3372) = B_{\bar{N}}(2N+3372-B_{\bar{N}}(2N+3371)) + B_{\bar{N}}(2N+3372-B_{\bar{N}}(2N+3370)) + B_{\bar{N}}(2N+3372-B_{\bar{N}}(2N+3369))$$

$$= B_{\bar{N}}(2N+3372-(N+3483)) + B_{\bar{N}}(2N+3372-(2N+2722)) + B_{\bar{N}}(2N+3372-(N+3479))$$

$$= B_{\bar{N}}(N-111) + B_{\bar{N}}(650) + B_{\bar{N}}(N-107) = (N-111) + 650 + (N-107) = 2N+432$$

$$(N \ge 650)$$

$$B_{\bar{N}}(2N+3373) = B_{\bar{N}}(2N+3373-B_{\bar{N}}(2N+3372)) + B_{\bar{N}}(2N+3373-B_{\bar{N}}(2N+3371)) + B_{\bar{N}}(2N+3373-B_{\bar{N}}(2N+3370))$$

$$= B_{\bar{N}}(2N+3373-(2N+432)) + B_{\bar{N}}(2N+3373-(N+3483)) + B_{\bar{N}}(2N+3373-(2N+2722))$$

$$= B_{\bar{N}}(2941) + B_{\bar{N}}(N-110) + B_{\bar{N}}(651) = 2941 + (N-110) + 651 = N + 3482$$

$$(N \ge 2941)$$

$$B_{\bar{N}}(2N+3374) = B_{\bar{N}}(2N+3374-B_{\bar{N}}(2N+3373)) + B_{\bar{N}}(2N+3374-B_{\bar{N}}(2N+3372)) + B_{\bar{N}}(2N+3374-B_{\bar{N}}(2N+3371))$$

$$= B_{\bar{N}}(2N+3374-(N+3482)) + B_{\bar{N}}(2N+3374-(2N+432)) + B_{\bar{N}}(2N+3374-(N+3483))$$

$$= B_{\bar{N}}(N-108) + B_{\bar{N}}(2942) + B_{\bar{N}}(N-109) = (N-108) + 2942 + (N-109) = 2N + 2725$$

$$(N \ge 2942)$$

$$B_{\bar{N}}(2N+3375) = B_{\bar{N}}(2N+3375 - B_{\bar{N}}(2N+3374)) + B_{\bar{N}}(2N+3375 - B_{\bar{N}}(2N+3373)) + B_{\bar{N}}(2N+3375 - B_{\bar{N}}(2N+3372))$$

$$= B_{\bar{N}}(2N+3375 - (2N+2725)) + B_{\bar{N}}(2N+3375 - (N+3482)) + B_{\bar{N}}(2N+3375 - (2N+432))$$

$$= B_{\bar{N}}(650) + B_{\bar{N}}(N-107) + B_{\bar{N}}(2943) = 650 + (N-107) + 2943 = N + 3486$$

$$(N \ge 2943)$$

$$B_{\bar{N}}(2N+3376) = B_{\bar{N}}(2N+3376-B_{\bar{N}}(2N+3375)) + B_{\bar{N}}(2N+3376-B_{\bar{N}}(2N+3374)) + B_{\bar{N}}(2N+3376-B_{\bar{N}}(2N+3376))$$

$$= B_{\bar{N}}(2N+3376-(N+3486)) + B_{\bar{N}}(2N+3376-(2N+2725)) + B_{\bar{N}}(2N+3376-(N+3482))$$

$$= B_{\bar{N}}(N-110) + B_{\bar{N}}(651) + B_{\bar{N}}(N-106) = (N-110) + 651 + (N-106) = 2N + 435$$

$$(N \ge 651)$$

$$B_{\bar{N}}(2N+3377) = B_{\bar{N}}(2N+3377 - B_{\bar{N}}(2N+3376)) + B_{\bar{N}}(2N+3377 - B_{\bar{N}}(2N+3375)) + B_{\bar{N}}(2N+3377 - B_{\bar{N}}(2N+3374))$$

$$= B_{\bar{N}}(2N+3377 - (2N+435)) + B_{\bar{N}}(2N+3377 - (N+3486)) + B_{\bar{N}}(2N+3377 - (2N+2725))$$

$$= B_{\bar{N}}(2942) + B_{\bar{N}}(N-109) + B_{\bar{N}}(652) = 2942 + (N-109) + 652 = N + 3485$$

$$(N \ge 2942)$$

$$B_{\bar{N}}(2N+3378) = B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3377)) + B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3376)) + B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2N+3378-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3379) = B_{\bar{N}}(2N+3379 - B_{\bar{N}}(2N+3378)) + B_{\bar{N}}(2N+3379 - B_{\bar{N}}(2N+3377)) + B_{\bar{N}}(2N+3379 - B_{\bar{N}}(2N+319 -$$

$$B_{\bar{N}}(2N+3380) = B_{\bar{N}}(2N+3380 - B_{\bar{N}}(2N+3379)) + B_{\bar{N}}(2N+3380 - B_{\bar{N}}(2N+3378)) + B_{\bar{N}}(2N+3380 - B_{\bar{N}}(2N+3377))$$

$$= B_{\bar{N}}(2N+3380 - (N+3489)) + B_{\bar{N}}(2N+3380 - (2N+2728)) + B_{\bar{N}}(2N+3380 - (N+3485))$$

$$= B_{\bar{N}}(N-109) + B_{\bar{N}}(652) + B_{\bar{N}}(N-105) = (N-109) + 652 + (N-105) = 2N + 438$$

$$(N \ge 652)$$

$$B_{\bar{N}}(2N+3381) = B_{\bar{N}}(2N+3381 - B_{\bar{N}}(2N+3380)) + B_{\bar{N}}(2N+3381 - B_{\bar{N}}(2N+3379)) + B_{\bar{N}}(2N+3381 - B_{\bar{N}}(2N+3378))$$

$$= B_{\bar{N}}(2N+3381 - (2N+438)) + B_{\bar{N}}(2N+3381 - (N+3489)) + B_{\bar{N}}(2N+3381 - (2N+2728))$$

$$= B_{\bar{N}}(2943) + B_{\bar{N}}(N-108) + B_{\bar{N}}(653) = 2943 + (N-108) + 653 = N + 3488$$

$$(N \ge 2943)$$

$$B_{\bar{N}}(2N+3382) = B_{\bar{N}}(2N+3382-B_{\bar{N}}(2N+3381)) + B_{\bar{N}}(2N+3382-B_{\bar{N}}(2N+3380)) + B_{\bar{N}}(2N+3382-B_{\bar{N}}(2N+3379))$$

$$= B_{\bar{N}}(2N+3382-(N+3488)) + B_{\bar{N}}(2N+3382-(2N+438)) + B_{\bar{N}}(2N+3382-(N+3489))$$

$$= B_{\bar{N}}(N-106) + B_{\bar{N}}(2944) + B_{\bar{N}}(N-107) = (N-106) + 2944 + (N-107) = 2N + 2731$$

$$(N \ge 2944)$$

$$B_{\bar{N}}(2N+3383) = B_{\bar{N}}(2N+3383-B_{\bar{N}}(2N+3382)) + B_{\bar{N}}(2N+3383-B_{\bar{N}}(2N+3381)) + B_{\bar{N}}(2N+3383-B_{\bar{N}}(2N+3380))$$

$$= B_{\bar{N}}(2N+3383-(2N+2731)) + B_{\bar{N}}(2N+3383-(N+3488)) + B_{\bar{N}}(2N+3383-(2N+438))$$

$$= B_{\bar{N}}(652) + B_{\bar{N}}(N-105) + B_{\bar{N}}(2945) = 652 + (N-105) + 2945 = N + 3492$$

$$(N \ge 2945)$$

$$B_{\bar{N}}(2N+3384) = B_{\bar{N}}(2N+3384-B_{\bar{N}}(2N+3383)) + B_{\bar{N}}(2N+3384-B_{\bar{N}}(2N+3382)) + B_{\bar{N}}(2N+3384-B_{\bar{N}}(2N+3381))$$

$$= B_{\bar{N}}(2N+3384-(N+3492)) + B_{\bar{N}}(2N+3384-(2N+2731)) + B_{\bar{N}}(2N+3384-(N+3488))$$

$$= B_{\bar{N}}(N-108) + B_{\bar{N}}(653) + B_{\bar{N}}(N-104) = (N-108) + 653 + (N-104) = 2N+441$$

$$(N \ge 653)$$

$$B_{\bar{N}}(2N+3385) = B_{\bar{N}}(2N+3385-B_{\bar{N}}(2N+3384)) + B_{\bar{N}}(2N+3385-B_{\bar{N}}(2N+3383)) + B_{\bar{N}}(2N+3385-B_{\bar{N}}(2N+3382))$$

$$= B_{\bar{N}}(2N+3385-(2N+441)) + B_{\bar{N}}(2N+3385-(N+3492)) + B_{\bar{N}}(2N+3385-(2N+2731))$$

$$= B_{\bar{N}}(2944) + B_{\bar{N}}(N-107) + B_{\bar{N}}(654) = 2944 + (N-107) + 654 = N + 3491$$

$$(N \ge 2944)$$

$$B_{\bar{N}}(2N+3386) = B_{\bar{N}}(2N+3386-B_{\bar{N}}(2N+3385)) + B_{\bar{N}}(2N+3386-B_{\bar{N}}(2N+3384)) + B_{\bar{N}}(2N+3386-B_{\bar{N}}(2N+3383))$$

$$= B_{\bar{N}}(2N+3386-(N+3491)) + B_{\bar{N}}(2N+3386-(2N+441)) + B_{\bar{N}}(2N+3386-(N+3492))$$

$$= B_{\bar{N}}(N-105) + B_{\bar{N}}(2945) + B_{\bar{N}}(N-106) = (N-105) + 2945 + (N-106) = 2N + 2734$$

$$(N \ge 2945)$$

$$B_{\bar{N}}(2N+3387) = B_{\bar{N}}(2N+3387 - B_{\bar{N}}(2N+3386)) + B_{\bar{N}}(2N+3387 - B_{\bar{N}}(2N+3385)) + B_{\bar{N}}(2N+3387 - B_{\bar{N}}(2N+3384))$$

$$= B_{\bar{N}}(2N+3387 - (2N+2734)) + B_{\bar{N}}(2N+3387 - (N+3491)) + B_{\bar{N}}(2N+3387 - (2N+441))$$

$$= B_{\bar{N}}(653) + B_{\bar{N}}(N-104) + B_{\bar{N}}(2946) = 653 + (N-104) + 2946 = N + 3495$$

$$(N \ge 2946)$$

$$B_{\bar{N}}(2N+3388) = B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3387)) + B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3386)) + B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2N+3388-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3389) = B_{\bar{N}}(2N+3389 - B_{\bar{N}}(2N+3388)) + B_{\bar{N}}(2N+3389 - B_{\bar{N}}(2N+3387)) + B_{\bar{N}}(2N+3389 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3390) = B_{\bar{N}}(2N+3390-B_{\bar{N}}(2N+3389)) + B_{\bar{N}}(2N+3390-B_{\bar{N}}(2N+3388)) + B_{\bar{N}}(2N+3390-B_{\bar{N}}(2N+3387))$$

$$= B_{\bar{N}}(2N+3390-(N+3494)) + B_{\bar{N}}(2N+3390-(2N+444)) + B_{\bar{N}}(2N+3390-(N+3495))$$

$$= B_{\bar{N}}(N-104) + B_{\bar{N}}(2946) + B_{\bar{N}}(N-105) = (N-104) + 2946 + (N-105) = 2N + 2737$$

$$(N \ge 2946)$$

$$B_{\bar{N}}(2N+3391) = B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3390)) + B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391) + B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N+3391-B_{\bar{N}}(2N$$

$$B_{\bar{N}}(2N+3392) = B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3391)) + B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3390)) + B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+3392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+392-B_{\bar{N}$$

$$B_{\bar{N}}(2N+3393) = B_{\bar{N}}(2N+3393-B_{\bar{N}}(2N+3392)) + B_{\bar{N}}(2N+3393-B_{\bar{N}}(2N+3391)) + B_{\bar{N}}(2N+3393-B_{\bar{N}}(2N+3390))$$

$$= B_{\bar{N}}(2N+3393-(2N+447)) + B_{\bar{N}}(2N+3393-(N+3498)) + B_{\bar{N}}(2N+3393-(2N+2737))$$

$$= B_{\bar{N}}(2946) + B_{\bar{N}}(N-105) + B_{\bar{N}}(656) = 2946 + (N-105) + 656 = N + 3497$$

$$(N \ge 2946)$$

$$B_{\bar{N}}(2N+3394) = B_{\bar{N}}(2N+3394-B_{\bar{N}}(2N+3393)) + B_{\bar{N}}(2N+3394-B_{\bar{N}}(2N+3392)) + B_{\bar{N}}(2N+3394-B_{\bar{N}}(2N+3391))$$

$$= B_{\bar{N}}(2N+3394-(N+3497)) + B_{\bar{N}}(2N+3394-(2N+447)) + B_{\bar{N}}(2N+3394-(N+3498))$$

$$= B_{\bar{N}}(N-103) + B_{\bar{N}}(2947) + B_{\bar{N}}(N-104) = (N-103) + 2947 + (N-104) = 2N + 2740$$

$$(N \ge 2947)$$

$$B_{\bar{N}}(2N+3395) = B_{\bar{N}}(2N+3395-B_{\bar{N}}(2N+3394)) + B_{\bar{N}}(2N+3395-B_{\bar{N}}(2N+3393)) + B_{\bar{N}}(2N+3395-B_{\bar{N}}(2N+3392))$$

$$= B_{\bar{N}}(2N+3395-(2N+2740)) + B_{\bar{N}}(2N+3395-(N+3497)) + B_{\bar{N}}(2N+3395-(2N+447))$$

$$= B_{\bar{N}}(655) + B_{\bar{N}}(N-102) + B_{\bar{N}}(2948) = 655 + (N-102) + 2948 = N + 3501$$

$$(N \ge 2948)$$

$$B_{\bar{N}}(2N+3396) = B_{\bar{N}}(2N+3396-B_{\bar{N}}(2N+3395)) + B_{\bar{N}}(2N+3396-B_{\bar{N}}(2N+3394)) + B_{\bar{N}}(2N+3396-B_{\bar{N}}(2N+3393))$$

$$= B_{\bar{N}}(2N+3396-(N+3501)) + B_{\bar{N}}(2N+3396-(2N+2740)) + B_{\bar{N}}(2N+3396-(N+3497))$$

$$= B_{\bar{N}}(N-105) + B_{\bar{N}}(656) + B_{\bar{N}}(N-101) = (N-105) + 656 + (N-101) = 2N + 450$$

$$(N > 656)$$

$$B_{\bar{N}}(2N+3397) = B_{\bar{N}}(2N+3397-B_{\bar{N}}(2N+3396)) + B_{\bar{N}}(2N+3397-B_{\bar{N}}(2N+3395)) + B_{\bar{N}}(2N+3397-B_{\bar{N}}(2N+3394))$$

$$= B_{\bar{N}}(2N+3397-(2N+450)) + B_{\bar{N}}(2N+3397-(N+3501)) + B_{\bar{N}}(2N+3397-(2N+2740))$$

$$= B_{\bar{N}}(2947) + B_{\bar{N}}(N-104) + B_{\bar{N}}(657) = 2947 + (N-104) + 657 = N + 3500$$

$$(N \ge 2947)$$

$$B_{\bar{N}}(2N+3398) = B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3397)) + B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3396)) + B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+3398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+398-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3399) = B_{\bar{N}}(2N+3399 - B_{\bar{N}}(2N+3398)) + B_{\bar{N}}(2N+3399 - B_{\bar{N}}(2N+3397)) + B_{\bar{N}}(2N+3399 - B_{\bar{N}}(2N+3396))$$

$$= B_{\bar{N}}(2N+3399 - (2N+2743)) + B_{\bar{N}}(2N+3399 - (N+3500)) + B_{\bar{N}}(2N+3399 - (2N+450))$$

$$= B_{\bar{N}}(656) + B_{\bar{N}}(N-101) + B_{\bar{N}}(2949) = 656 + (N-101) + 2949 = N + 3504$$

$$(N \ge 2949)$$

$$B_{\bar{N}}(2N+3400) = B_{\bar{N}}(2N+3400-B_{\bar{N}}(2N+3399)) + B_{\bar{N}}(2N+3400-B_{\bar{N}}(2N+3398)) + B_{\bar{N}}(2N+3400-B_{\bar{N}}(2N+3397))$$

$$= B_{\bar{N}}(2N+3400-(N+3504)) + B_{\bar{N}}(2N+3400-(2N+2743)) + B_{\bar{N}}(2N+3400-(N+3500))$$

$$= B_{\bar{N}}(N-104) + B_{\bar{N}}(657) + B_{\bar{N}}(N-100) = (N-104) + 657 + (N-100) = 2N+453$$

$$(N \ge 657)$$

$$B_{\bar{N}}(2N+3401) = B_{\bar{N}}(2N+3401-B_{\bar{N}}(2N+3400)) + B_{\bar{N}}(2N+3401-B_{\bar{N}}(2N+3399)) + B_{\bar{N}}(2N+3401-B_{\bar{N}}(2N+3398))$$

$$= B_{\bar{N}}(2N+3401-(2N+453)) + B_{\bar{N}}(2N+3401-(N+3504)) + B_{\bar{N}}(2N+3401-(2N+2743))$$

$$= B_{\bar{N}}(2948) + B_{\bar{N}}(N-103) + B_{\bar{N}}(658) = 2948 + (N-103) + 658 = N + 3503$$

$$(N > 2948)$$

$$B_{\bar{N}}(2N+3402) = B_{\bar{N}}(2N+3402 - B_{\bar{N}}(2N+3401)) + B_{\bar{N}}(2N+3402 - B_{\bar{N}}(2N+3400)) + B_{\bar{N}}(2N+3402 - B_{\bar{N}}(2N+3399))$$

$$= B_{\bar{N}}(2N+3402 - (N+3503)) + B_{\bar{N}}(2N+3402 - (2N+453)) + B_{\bar{N}}(2N+3402 - (N+3504))$$

$$= B_{\bar{N}}(N-101) + B_{\bar{N}}(2949) + B_{\bar{N}}(N-102) = (N-101) + 2949 + (N-102) = 2N + 2746$$

$$(N \ge 2949)$$

$$B_{\bar{N}}(2N+3403) = B_{\bar{N}}(2N+3403 - B_{\bar{N}}(2N+3402)) + B_{\bar{N}}(2N+3403 - B_{\bar{N}}(2N+3401)) + B_{\bar{N}}(2N+3403 - B_{\bar{N}}(2N+3400))$$

$$= B_{\bar{N}}(2N+3403 - (2N+2746)) + B_{\bar{N}}(2N+3403 - (N+3503)) + B_{\bar{N}}(2N+3403 - (2N+453))$$

$$= B_{\bar{N}}(657) + B_{\bar{N}}(N-100) + B_{\bar{N}}(2950) = 657 + (N-100) + 2950 = N + 3507$$

$$(N \ge 2950)$$

$$B_{\bar{N}}(2N+3404) = B_{\bar{N}}(2N+3404-B_{\bar{N}}(2N+3403)) + B_{\bar{N}}(2N+3404-B_{\bar{N}}(2N+3402)) + B_{\bar{N}}(2N+3404-B_{\bar{N}}(2N+3401))$$

$$= B_{\bar{N}}(2N+3404-(N+3507)) + B_{\bar{N}}(2N+3404-(2N+2746)) + B_{\bar{N}}(2N+3404-(N+3503))$$

$$= B_{\bar{N}}(N-103) + B_{\bar{N}}(658) + B_{\bar{N}}(N-99) = (N-103) + 658 + (N-99) = 2N+456$$

$$(N \ge 658)$$

$$B_{\bar{N}}(2N+3405) = B_{\bar{N}}(2N+3405-B_{\bar{N}}(2N+3404)) + B_{\bar{N}}(2N+3405-B_{\bar{N}}(2N+3403)) + B_{\bar{N}}(2N+3405-B_{\bar{N}}(2N+3405))$$

$$= B_{\bar{N}}(2N+3405-(2N+456)) + B_{\bar{N}}(2N+3405-(N+3507)) + B_{\bar{N}}(2N+3405-(2N+2746))$$

$$= B_{\bar{N}}(2949) + B_{\bar{N}}(N-102) + B_{\bar{N}}(659) = 2949 + (N-102) + 659 = N + 3506$$

$$(N \ge 2949)$$

$$B_{\bar{N}}(2N+3406) = B_{\bar{N}}(2N+3406-B_{\bar{N}}(2N+3405)) + B_{\bar{N}}(2N+3406-B_{\bar{N}}(2N+3404)) + B_{\bar{N}}(2N+3406-B_{\bar{N}}(2N+3403))$$

$$= B_{\bar{N}}(2N+3406-(N+3506)) + B_{\bar{N}}(2N+3406-(2N+456)) + B_{\bar{N}}(2N+3406-(N+3507))$$

$$= B_{\bar{N}}(N-100) + B_{\bar{N}}(2950) + B_{\bar{N}}(N-101) = (N-100) + 2950 + (N-101) = 2N + 2749$$

$$(N > 2950)$$

$$B_{\bar{N}}(2N+3407) = B_{\bar{N}}(2N+3407 - B_{\bar{N}}(2N+3406)) + B_{\bar{N}}(2N+3407 - B_{\bar{N}}(2N+3405)) + B_{\bar{N}}(2N+3407 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3408) = B_{\bar{N}}(2N+3408-B_{\bar{N}}(2N+3407)) + B_{\bar{N}}(2N+3408-B_{\bar{N}}(2N+3406)) + B_{\bar{N}}(2N+3408-B_{\bar{N}}(2N+3405))$$

$$= B_{\bar{N}}(2N+3408-(N+3510)) + B_{\bar{N}}(2N+3408-(2N+2749)) + B_{\bar{N}}(2N+3408-(N+3506))$$

$$= B_{\bar{N}}(N-102) + B_{\bar{N}}(659) + B_{\bar{N}}(N-98) = (N-102) + 659 + (N-98) = 2N+459$$

$$(N \ge 659)$$

$$B_{\bar{N}}(2N+3409) = B_{\bar{N}}(2N+3409 - B_{\bar{N}}(2N+3408)) + B_{\bar{N}}(2N+3409 - B_{\bar{N}}(2N+3407)) + B_{\bar{N}}(2N+3409 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3410) = B_{\bar{N}}(2N+3410 - B_{\bar{N}}(2N+3409)) + B_{\bar{N}}(2N+3410 - B_{\bar{N}}(2N+3408)) + B_{\bar{N}}(2N+3410 - B_{\bar{N}}(2N+3407))$$

$$= B_{\bar{N}}(2N+3410 - (N+3509)) + B_{\bar{N}}(2N+3410 - (2N+459)) + B_{\bar{N}}(2N+3410 - (N+3510))$$

$$= B_{\bar{N}}(N-99) + B_{\bar{N}}(2951) + B_{\bar{N}}(N-100) = (N-99) + 2951 + (N-100) = 2N + 2752$$

$$(N \ge 2951)$$

$$B_{\bar{N}}(2N+3411) = B_{\bar{N}}(2N+3411-B_{\bar{N}}(2N+3410)) + B_{\bar{N}}(2N+3411-B_{\bar{N}}(2N+3409)) + B_{\bar{N}}(2N+3411-B_{\bar{N}}(2N+3408))$$

$$= B_{\bar{N}}(2N+3411-(2N+2752)) + B_{\bar{N}}(2N+3411-(N+3509)) + B_{\bar{N}}(2N+3411-(2N+459))$$

$$= B_{\bar{N}}(659) + B_{\bar{N}}(N-98) + B_{\bar{N}}(2952) = 659 + (N-98) + 2952 = N+3513$$

$$(N \ge 2952)$$

$$B_{\bar{N}}(2N+3412) = B_{\bar{N}}(2N+3412-B_{\bar{N}}(2N+3411)) + B_{\bar{N}}(2N+3412-B_{\bar{N}}(2N+3410)) + B_{\bar{N}}(2N+3412-B_{\bar{N}}(2N+3409))$$

$$= B_{\bar{N}}(2N+3412-(N+3513)) + B_{\bar{N}}(2N+3412-(2N+2752)) + B_{\bar{N}}(2N+3412-(N+3509))$$

$$= B_{\bar{N}}(N-101) + B_{\bar{N}}(660) + B_{\bar{N}}(N-97) = (N-101) + 660 + (N-97) = 2N + 462$$

$$(N \ge 660)$$

$$B_{\bar{N}}(2N+3413) = B_{\bar{N}}(2N+3413-B_{\bar{N}}(2N+3412)) + B_{\bar{N}}(2N+3413-B_{\bar{N}}(2N+3411)) + B_{\bar{N}}(2N+3413-B_{\bar{N}}(2N+3410))$$

$$= B_{\bar{N}}(2N+3413-(2N+462)) + B_{\bar{N}}(2N+3413-(N+3513)) + B_{\bar{N}}(2N+3413-(2N+2752))$$

$$= B_{\bar{N}}(2951) + B_{\bar{N}}(N-100) + B_{\bar{N}}(661) = 2951 + (N-100) + 661 = N+3512$$

$$(N \ge 2951)$$

$$B_{\bar{N}}(2N+3414) = B_{\bar{N}}(2N+3414-B_{\bar{N}}(2N+3413)) + B_{\bar{N}}(2N+3414-B_{\bar{N}}(2N+3412)) + B_{\bar{N}}(2N+3414-B_{\bar{N}}(2N+3411))$$

$$= B_{\bar{N}}(2N+3414-(N+3512)) + B_{\bar{N}}(2N+3414-(2N+462)) + B_{\bar{N}}(2N+3414-(N+3513))$$

$$= B_{\bar{N}}(N-98) + B_{\bar{N}}(2952) + B_{\bar{N}}(N-99) = (N-98) + 2952 + (N-99) = 2N + 2755$$

$$(N \ge 2952)$$

$$B_{\bar{N}}(2N+3415) = B_{\bar{N}}(2N+3415-B_{\bar{N}}(2N+3414)) + B_{\bar{N}}(2N+3415-B_{\bar{N}}(2N+3413)) + B_{\bar{N}}(2N+3415-B_{\bar{N}}(2N+3412))$$

$$= B_{\bar{N}}(2N+3415-(2N+2755)) + B_{\bar{N}}(2N+3415-(N+3512)) + B_{\bar{N}}(2N+3415-(2N+462))$$

$$= B_{\bar{N}}(660) + B_{\bar{N}}(N-97) + B_{\bar{N}}(2953) = 660 + (N-97) + 2953 = N + 3516$$

$$(N \ge 2953)$$

$$B_{\bar{N}}(2N+3416) = B_{\bar{N}}(2N+3416-B_{\bar{N}}(2N+3415)) + B_{\bar{N}}(2N+3416-B_{\bar{N}}(2N+3414)) + B_{\bar{N}}(2N+3416-B_{\bar{N}}(2N+3413))$$

$$= B_{\bar{N}}(2N+3416-(N+3516)) + B_{\bar{N}}(2N+3416-(2N+2755)) + B_{\bar{N}}(2N+3416-(N+3512))$$

$$= B_{\bar{N}}(N-100) + B_{\bar{N}}(661) + B_{\bar{N}}(N-96) = (N-100) + 661 + (N-96) = 2N + 465$$

$$(N > 661)$$

$$B_{\bar{N}}(2N+3417) = B_{\bar{N}}(2N+3417 - B_{\bar{N}}(2N+3416)) + B_{\bar{N}}(2N+3417 - B_{\bar{N}}(2N+3415)) + B_{\bar{N}}(2N+3417 - B_{\bar{N}}(2N+3414))$$

$$= B_{\bar{N}}(2N+3417 - (2N+465)) + B_{\bar{N}}(2N+3417 - (N+3516)) + B_{\bar{N}}(2N+3417 - (2N+2755))$$

$$= B_{\bar{N}}(2952) + B_{\bar{N}}(N-99) + B_{\bar{N}}(662) = 2952 + (N-99) + 662 = N+3515$$

$$(N > 2952)$$

$$B_{\bar{N}}(2N+3418) = B_{\bar{N}}(2N+3418-B_{\bar{N}}(2N+3417)) + B_{\bar{N}}(2N+3418-B_{\bar{N}}(2N+3416)) + B_{\bar{N}}(2N+3418-B_{\bar{N}}(2N+3415))$$

$$= B_{\bar{N}}(2N+3418-(N+3515)) + B_{\bar{N}}(2N+3418-(2N+465)) + B_{\bar{N}}(2N+3418-(N+3516))$$

$$= B_{\bar{N}}(N-97) + B_{\bar{N}}(2953) + B_{\bar{N}}(N-98) = (N-97) + 2953 + (N-98) = 2N + 2758$$

$$(N \ge 2953)$$

$$B_{\bar{N}}(2N+3419) = B_{\bar{N}}(2N+3419-B_{\bar{N}}(2N+3418)) + B_{\bar{N}}(2N+3419-B_{\bar{N}}(2N+3417)) + B_{\bar{N}}(2N+3419-B_{\bar{N}}(2N+3416))$$

$$= B_{\bar{N}}(2N+3419-(2N+2758)) + B_{\bar{N}}(2N+3419-(N+3515)) + B_{\bar{N}}(2N+3419-(2N+465))$$

$$= B_{\bar{N}}(661) + B_{\bar{N}}(N-96) + B_{\bar{N}}(2954) = 661 + (N-96) + 2954 = N + 3519$$

$$(N \ge 2954)$$

$$B_{\bar{N}}(2N+3420) = B_{\bar{N}}(2N+3420 - B_{\bar{N}}(2N+3419)) + B_{\bar{N}}(2N+3420 - B_{\bar{N}}(2N+3418)) + B_{\bar{N}}(2N+3420 - B_{\bar{N}}(2N+3417))$$

$$= B_{\bar{N}}(2N+3420 - (N+3519)) + B_{\bar{N}}(2N+3420 - (2N+2758)) + B_{\bar{N}}(2N+3420 - (N+3515))$$

$$= B_{\bar{N}}(N-99) + B_{\bar{N}}(662) + B_{\bar{N}}(N-95) = (N-99) + 662 + (N-95) = 2N + 468$$

$$(N \ge 662)$$

$$B_{\bar{N}}(2N+3421) = B_{\bar{N}}(2N+3421-B_{\bar{N}}(2N+3420)) + B_{\bar{N}}(2N+3421-B_{\bar{N}}(2N+3419)) + B_{\bar{N}}(2N+3421-B_{\bar{N}}(2N+3418))$$

$$= B_{\bar{N}}(2N+3421-(2N+468)) + B_{\bar{N}}(2N+3421-(N+3519)) + B_{\bar{N}}(2N+3421-(2N+2758))$$

$$= B_{\bar{N}}(2953) + B_{\bar{N}}(N-98) + B_{\bar{N}}(663) = 2953 + (N-98) + 663 = N+3518$$

$$(N > 2953)$$

$$B_{\bar{N}}(2N+3422) = B_{\bar{N}}(2N+3422-B_{\bar{N}}(2N+3421)) + B_{\bar{N}}(2N+3422-B_{\bar{N}}(2N+3420)) + B_{\bar{N}}(2N+3422-B_{\bar{N}}(2N+3419))$$

$$= B_{\bar{N}}(2N+3422-(N+3518)) + B_{\bar{N}}(2N+3422-(2N+468)) + B_{\bar{N}}(2N+3422-(N+3519))$$

$$= B_{\bar{N}}(N-96) + B_{\bar{N}}(2954) + B_{\bar{N}}(N-97) = (N-96) + 2954 + (N-97) = 2N + 2761$$

$$(N \ge 2954)$$

$$B_{\bar{N}}(2N+3423) = B_{\bar{N}}(2N+3423-B_{\bar{N}}(2N+3422)) + B_{\bar{N}}(2N+3423-B_{\bar{N}}(2N+3421)) + B_{\bar{N}}(2N+3423-B_{\bar{N}}(2N+3420))$$

$$= B_{\bar{N}}(2N+3423-(2N+2761)) + B_{\bar{N}}(2N+3423-(N+3518)) + B_{\bar{N}}(2N+3423-(2N+468))$$

$$= B_{\bar{N}}(662) + B_{\bar{N}}(N-95) + B_{\bar{N}}(2955) = 662 + (N-95) + 2955 = N + 3522$$

$$(N \ge 2955)$$

$$B_{\bar{N}}(2N+3424) = B_{\bar{N}}(2N+3424-B_{\bar{N}}(2N+3423)) + B_{\bar{N}}(2N+3424-B_{\bar{N}}(2N+3422)) + B_{\bar{N}}(2N+3424-B_{\bar{N}}(2N+3421))$$

$$= B_{\bar{N}}(2N+3424-(N+3522)) + B_{\bar{N}}(2N+3424-(2N+2761)) + B_{\bar{N}}(2N+3424-(N+3518))$$

$$= B_{\bar{N}}(N-98) + B_{\bar{N}}(663) + B_{\bar{N}}(N-94) = (N-98) + 663 + (N-94) = 2N+471$$

$$(N \ge 663)$$

$$B_{\bar{N}}(2N+3425) = B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3424)) + B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3423)) + B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2N+3425-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3426) = B_{\bar{N}}(2N+3426-B_{\bar{N}}(2N+3425)) + B_{\bar{N}}(2N+3426-B_{\bar{N}}(2N+3424)) + B_{\bar{N}}(2N+3426-B_{\bar{N}}(2N+3426))$$

$$= B_{\bar{N}}(2N+3426-(N+3521)) + B_{\bar{N}}(2N+3426-(2N+471)) + B_{\bar{N}}(2N+3426-(N+3522))$$

$$= B_{\bar{N}}(N-95) + B_{\bar{N}}(2955) + B_{\bar{N}}(N-96) = (N-95) + 2955 + (N-96) = 2N + 2764$$

$$(N \ge 2955)$$

$$B_{\bar{N}}(2N+3427) = B_{\bar{N}}(2N+3427-B_{\bar{N}}(2N+3426)) + B_{\bar{N}}(2N+3427-B_{\bar{N}}(2N+3425)) + B_{\bar{N}}(2N+3427-B_{\bar{N}}(2N+3424))$$

$$= B_{\bar{N}}(2N+3427-(2N+2764)) + B_{\bar{N}}(2N+3427-(N+3521)) + B_{\bar{N}}(2N+3427-(2N+471))$$

$$= B_{\bar{N}}(663) + B_{\bar{N}}(N-94) + B_{\bar{N}}(2956) = 663 + (N-94) + 2956 = N + 3525$$

$$(N \ge 2956)$$

$$B_{\bar{N}}(2N+3428) = B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3427)) + B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3426)) + B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2N+3428-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3429) = B_{\bar{N}}(2N+3429 - B_{\bar{N}}(2N+3428)) + B_{\bar{N}}(2N+3429 - B_{\bar{N}}(2N+3427)) + B_{\bar{N}}(2N+3429 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3430) = B_{\bar{N}}(2N+3430 - B_{\bar{N}}(2N+3429)) + B_{\bar{N}}(2N+3430 - B_{\bar{N}}(2N+3428)) + B_{\bar{N}}(2N+3430 - B_{\bar{N}}(2N+3427))$$

$$= B_{\bar{N}}(2N+3430 - (N+3524)) + B_{\bar{N}}(2N+3430 - (2N+474)) + B_{\bar{N}}(2N+3430 - (N+3525))$$

$$= B_{\bar{N}}(N-94) + B_{\bar{N}}(2956) + B_{\bar{N}}(N-95) = (N-94) + 2956 + (N-95) = 2N + 2767$$

$$(N \ge 2956)$$

$$B_{\bar{N}}(2N+3431) = B_{\bar{N}}(2N+3431-B_{\bar{N}}(2N+3430)) + B_{\bar{N}}(2N+3431-B_{\bar{N}}(2N+3429)) + B_{\bar{N}}(2N+3431-B_{\bar{N}}(2N+3428))$$

$$= B_{\bar{N}}(2N+3431-(2N+2767)) + B_{\bar{N}}(2N+3431-(N+3524)) + B_{\bar{N}}(2N+3431-(2N+474))$$

$$= B_{\bar{N}}(664) + B_{\bar{N}}(N-93) + B_{\bar{N}}(2957) = 664 + (N-93) + 2957 = N + 3528$$

$$(N \ge 2957)$$

$$B_{\bar{N}}(2N+3432) = B_{\bar{N}}(2N+3432-B_{\bar{N}}(2N+3431)) + B_{\bar{N}}(2N+3432-B_{\bar{N}}(2N+3430)) + B_{\bar{N}}(2N+3432-B_{\bar{N}}(2N+3429))$$

$$= B_{\bar{N}}(2N+3432-(N+3528)) + B_{\bar{N}}(2N+3432-(2N+2767)) + B_{\bar{N}}(2N+3432-(N+3524))$$

$$= B_{\bar{N}}(N-96) + B_{\bar{N}}(665) + B_{\bar{N}}(N-92) = (N-96) + 665 + (N-92) = 2N + 477$$

$$(N \ge 665)$$

$$B_{\bar{N}}(2N+3433) = B_{\bar{N}}(2N+3433-B_{\bar{N}}(2N+3432)) + B_{\bar{N}}(2N+3433-B_{\bar{N}}(2N+3431)) + B_{\bar{N}}(2N+3433-B_{\bar{N}}(2N+3430))$$

$$= B_{\bar{N}}(2N+3433-(2N+477)) + B_{\bar{N}}(2N+3433-(N+3528)) + B_{\bar{N}}(2N+3433-(2N+2767))$$

$$= B_{\bar{N}}(2956) + B_{\bar{N}}(N-95) + B_{\bar{N}}(666) = 2956 + (N-95) + 666 = N+3527$$

$$(N \ge 2956)$$

$$B_{\bar{N}}(2N+3434) = B_{\bar{N}}(2N+3434-B_{\bar{N}}(2N+3433)) + B_{\bar{N}}(2N+3434-B_{\bar{N}}(2N+3432)) + B_{\bar{N}}(2N+3434-B_{\bar{N}}(2N+3431))$$

$$= B_{\bar{N}}(2N+3434-(N+3527)) + B_{\bar{N}}(2N+3434-(2N+477)) + B_{\bar{N}}(2N+3434-(N+3528))$$

$$= B_{\bar{N}}(N-93) + B_{\bar{N}}(2957) + B_{\bar{N}}(N-94) = (N-93) + 2957 + (N-94) = 2N + 2770$$

$$(N \ge 2957)$$

$$B_{\bar{N}}(2N+3435) = B_{\bar{N}}(2N+3435-B_{\bar{N}}(2N+3434)) + B_{\bar{N}}(2N+3435-B_{\bar{N}}(2N+3433)) + B_{\bar{N}}(2N+3435-B_{\bar{N}}(2N+3435))$$

$$= B_{\bar{N}}(2N+3435-(2N+2770)) + B_{\bar{N}}(2N+3435-(N+3527)) + B_{\bar{N}}(2N+3435-(2N+477))$$

$$= B_{\bar{N}}(665) + B_{\bar{N}}(N-92) + B_{\bar{N}}(2958) = 665 + (N-92) + 2958 = N + 3531$$

$$(N \ge 2958)$$

$$B_{\bar{N}}(2N+3436) = B_{\bar{N}}(2N+3436-B_{\bar{N}}(2N+3435)) + B_{\bar{N}}(2N+3436-B_{\bar{N}}(2N+3434)) + B_{\bar{N}}(2N+3436-B_{\bar{N}}(2N+3436))$$

$$= B_{\bar{N}}(2N+3436-(N+3531)) + B_{\bar{N}}(2N+3436-(2N+2770)) + B_{\bar{N}}(2N+3436-(N+3527))$$

$$= B_{\bar{N}}(N-95) + B_{\bar{N}}(666) + B_{\bar{N}}(N-91) = (N-95) + 666 + (N-91) = 2N + 480$$

$$(N > 666)$$

$$B_{\bar{N}}(2N+3437) = B_{\bar{N}}(2N+3437 - B_{\bar{N}}(2N+3436)) + B_{\bar{N}}(2N+3437 - B_{\bar{N}}(2N+3435)) + B_{\bar{N}}(2N+3437 - B_{\bar{N}}(2N+3437)) + B_{\bar{N}}(2N+3437 - B_{\bar{$$

$$B_{\bar{N}}(2N+3438) = B_{\bar{N}}(2N+3438-B_{\bar{N}}(2N+3437)) + B_{\bar{N}}(2N+3438-B_{\bar{N}}(2N+3436)) + B_{\bar{N}}(2N+3438-B_{\bar{N}}(2N+3438))$$

$$= B_{\bar{N}}(2N+3438-(N+3530)) + B_{\bar{N}}(2N+3438-(2N+480)) + B_{\bar{N}}(2N+3438-(N+3531))$$

$$= B_{\bar{N}}(N-92) + B_{\bar{N}}(2958) + B_{\bar{N}}(N-93) = (N-92) + 2958 + (N-93) = 2N + 2773$$

$$(N \ge 2958)$$

$$B_{\bar{N}}(2N+3439) = B_{\bar{N}}(2N+3439 - B_{\bar{N}}(2N+3438)) + B_{\bar{N}}(2N+3439 - B_{\bar{N}}(2N+3437)) + B_{\bar{N}}(2N+3439 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3440) = B_{\bar{N}}(2N+3440-B_{\bar{N}}(2N+3439)) + B_{\bar{N}}(2N+3440-B_{\bar{N}}(2N+3438)) + B_{\bar{N}}(2N+3440-B_{\bar{N}}(2N+3437))$$

$$= B_{\bar{N}}(2N+3440-(N+3534)) + B_{\bar{N}}(2N+3440-(2N+2773)) + B_{\bar{N}}(2N+3440-(N+3530))$$

$$= B_{\bar{N}}(N-94) + B_{\bar{N}}(667) + B_{\bar{N}}(N-90) = (N-94) + 667 + (N-90) = 2N + 483$$

$$(N \ge 667)$$

$$B_{\bar{N}}(2N+3441) = B_{\bar{N}}(2N+3441 - B_{\bar{N}}(2N+3440)) + B_{\bar{N}}(2N+3441 - B_{\bar{N}}(2N+3439)) + B_{\bar{N}}(2N+3441 - B_{\bar{N}}(2N+3438))$$

$$= B_{\bar{N}}(2N+3441 - (2N+483)) + B_{\bar{N}}(2N+3441 - (N+3534)) + B_{\bar{N}}(2N+3441 - (2N+2773))$$

$$= B_{\bar{N}}(2958) + B_{\bar{N}}(N-93) + B_{\bar{N}}(668) = 2958 + (N-93) + 668 = N+3533$$

$$(N \ge 2958)$$

$$B_{\bar{N}}(2N+3442) = B_{\bar{N}}(2N+3442-B_{\bar{N}}(2N+3441)) + B_{\bar{N}}(2N+3442-B_{\bar{N}}(2N+3440)) + B_{\bar{N}}(2N+3442-B_{\bar{N}}(2N+3439))$$

$$= B_{\bar{N}}(2N+3442-(N+3533)) + B_{\bar{N}}(2N+3442-(2N+483)) + B_{\bar{N}}(2N+3442-(N+3534))$$

$$= B_{\bar{N}}(N-91) + B_{\bar{N}}(2959) + B_{\bar{N}}(N-92) = (N-91) + 2959 + (N-92) = 2N + 2776$$

$$(N \ge 2959)$$

$$B_{\bar{N}}(2N+3443) = B_{\bar{N}}(2N+3443-B_{\bar{N}}(2N+3442)) + B_{\bar{N}}(2N+3443-B_{\bar{N}}(2N+3441)) + B_{\bar{N}}(2N+3443-B_{\bar{N}}(2N+3440))$$

$$= B_{\bar{N}}(2N+3443-(2N+2776)) + B_{\bar{N}}(2N+3443-(N+3533)) + B_{\bar{N}}(2N+3443-(2N+483))$$

$$= B_{\bar{N}}(667) + B_{\bar{N}}(N-90) + B_{\bar{N}}(2960) = 667 + (N-90) + 2960 = N + 3537$$

$$(N \ge 2960)$$

$$B_{\bar{N}}(2N+3444) = B_{\bar{N}}(2N+3444-B_{\bar{N}}(2N+3443)) + B_{\bar{N}}(2N+3444-B_{\bar{N}}(2N+3442)) + B_{\bar{N}}(2N+3444-B_{\bar{N}}(2N+3441))$$

$$= B_{\bar{N}}(2N+3444-(N+3537)) + B_{\bar{N}}(2N+3444-(2N+2776)) + B_{\bar{N}}(2N+3444-(N+3533))$$

$$= B_{\bar{N}}(N-93) + B_{\bar{N}}(668) + B_{\bar{N}}(N-89) = (N-93) + 668 + (N-89) = 2N + 486$$

$$(N \ge 668)$$

$$B_{\bar{N}}(2N+3445) = B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3444)) + B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445)) + B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2N+3445-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3446) = B_{\bar{N}}(2N+3446-B_{\bar{N}}(2N+3445)) + B_{\bar{N}}(2N+3446-B_{\bar{N}}(2N+3444)) + B_{\bar{N}}(2N+3446-B_{\bar{N}}(2N+3446))$$

$$= B_{\bar{N}}(2N+3446-(N+3536)) + B_{\bar{N}}(2N+3446-(2N+486)) + B_{\bar{N}}(2N+3446-(N+3537))$$

$$= B_{\bar{N}}(N-90) + B_{\bar{N}}(2960) + B_{\bar{N}}(N-91) = (N-90) + 2960 + (N-91) = 2N + 2779$$

$$(N > 2960)$$

$$B_{\bar{N}}(2N+3447) = B_{\bar{N}}(2N+3447 - B_{\bar{N}}(2N+3446)) + B_{\bar{N}}(2N+3447 - B_{\bar{N}}(2N+3445)) + B_{\bar{N}}(2N+3447 - B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+3447 - B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+347 - B_{\bar{N}}(2N+347 - B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3448) = B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3447)) + B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3446)) + B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2N+3448-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3449) = B_{\bar{N}}(2N+3449 - B_{\bar{N}}(2N+3448)) + B_{\bar{N}}(2N+3449 - B_{\bar{N}}(2N+3447)) + B_{\bar{N}}(2N+3449 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3450) = B_{\bar{N}}(2N+3450 - B_{\bar{N}}(2N+3449)) + B_{\bar{N}}(2N+3450 - B_{\bar{N}}(2N+3448)) + B_{\bar{N}}(2N+3450 - B_{\bar{N}}(2N+3447))$$

$$= B_{\bar{N}}(2N+3450 - (N+3539)) + B_{\bar{N}}(2N+3450 - (2N+489)) + B_{\bar{N}}(2N+3450 - (N+3540))$$

$$= B_{\bar{N}}(N-89) + B_{\bar{N}}(2961) + B_{\bar{N}}(N-90) = (N-89) + 2961 + (N-90) = 2N + 2782$$

$$(N \ge 2961)$$

$$B_{\bar{N}}(2N+3451) = B_{\bar{N}}(2N+3451-B_{\bar{N}}(2N+3450)) + B_{\bar{N}}(2N+3451-B_{\bar{N}}(2N+3449)) + B_{\bar{N}}(2N+3451-B_{\bar{N}}(2N+3448))$$

$$= B_{\bar{N}}(2N+3451-(2N+2782)) + B_{\bar{N}}(2N+3451-(N+3539)) + B_{\bar{N}}(2N+3451-(2N+489))$$

$$= B_{\bar{N}}(669) + B_{\bar{N}}(N-88) + B_{\bar{N}}(2962) = 669 + (N-88) + 2962 = N+3543$$

$$(N \ge 2962)$$

$$B_{\bar{N}}(2N+3452) = B_{\bar{N}}(2N+3452-B_{\bar{N}}(2N+3451)) + B_{\bar{N}}(2N+3452-B_{\bar{N}}(2N+3450)) + B_{\bar{N}}(2N+3452-B_{\bar{N}}(2N+3449))$$

$$= B_{\bar{N}}(2N+3452-(N+3543)) + B_{\bar{N}}(2N+3452-(2N+2782)) + B_{\bar{N}}(2N+3452-(N+3539))$$

$$= B_{\bar{N}}(N-91) + B_{\bar{N}}(670) + B_{\bar{N}}(N-87) = (N-91) + 670 + (N-87) = 2N + 492$$

$$(N \ge 670)$$

$$B_{\bar{N}}(2N+3453) = B_{\bar{N}}(2N+3453-B_{\bar{N}}(2N+3452)) + B_{\bar{N}}(2N+3453-B_{\bar{N}}(2N+3451)) + B_{\bar{N}}(2N+3453-B_{\bar{N}}(2N+3450))$$

$$= B_{\bar{N}}(2N+3453-(2N+492)) + B_{\bar{N}}(2N+3453-(N+3543)) + B_{\bar{N}}(2N+3453-(2N+2782))$$

$$= B_{\bar{N}}(2961) + B_{\bar{N}}(N-90) + B_{\bar{N}}(671) = 2961 + (N-90) + 671 = N + 3542$$

$$(N \ge 2961)$$

$$B_{\bar{N}}(2N+3454) = B_{\bar{N}}(2N+3454 - B_{\bar{N}}(2N+3453)) + B_{\bar{N}}(2N+3454 - B_{\bar{N}}(2N+3452)) + B_{\bar{N}}(2N+3454 - B_{\bar{N}}(2N+3451))$$

$$= B_{\bar{N}}(2N+3454 - (N+3542)) + B_{\bar{N}}(2N+3454 - (2N+492)) + B_{\bar{N}}(2N+3454 - (N+3543))$$

$$= B_{\bar{N}}(N-88) + B_{\bar{N}}(2962) + B_{\bar{N}}(N-89) = (N-88) + 2962 + (N-89) = 2N + 2785$$

$$(N \ge 2962)$$

$$B_{\bar{N}}(2N+3455) = B_{\bar{N}}(2N+3455 - B_{\bar{N}}(2N+3454)) + B_{\bar{N}}(2N+3455 - B_{\bar{N}}(2N+3453)) + B_{\bar{N}}(2N+3455 - B_{\bar{N}}(2N+3455))$$

$$= B_{\bar{N}}(2N+3455 - (2N+2785)) + B_{\bar{N}}(2N+3455 - (N+3542)) + B_{\bar{N}}(2N+3455 - (2N+492))$$

$$= B_{\bar{N}}(670) + B_{\bar{N}}(N-87) + B_{\bar{N}}(2963) = 670 + (N-87) + 2963 = N + 3546$$

$$(N \ge 2963)$$

$$B_{\bar{N}}(2N+3456) = B_{\bar{N}}(2N+3456-B_{\bar{N}}(2N+3455)) + B_{\bar{N}}(2N+3456-B_{\bar{N}}(2N+3454)) + B_{\bar{N}}(2N+3456-B_{\bar{N}}(2N+3456))$$

$$= B_{\bar{N}}(2N+3456-(N+3546)) + B_{\bar{N}}(2N+3456-(2N+2785)) + B_{\bar{N}}(2N+3456-(N+3542))$$

$$= B_{\bar{N}}(N-90) + B_{\bar{N}}(671) + B_{\bar{N}}(N-86) = (N-90) + 671 + (N-86) = 2N + 495$$

$$(N \ge 671)$$

$$B_{\bar{N}}(2N+3457) = B_{\bar{N}}(2N+3457 - B_{\bar{N}}(2N+3456)) + B_{\bar{N}}(2N+3457 - B_{\bar{N}}(2N+3457)) + B_{\bar{N}}(2N+3457 - B_{\bar{N}}(2N+3457)) + B_{\bar{N}}(2N+3457 - (2N+3457)) + B_{\bar{N}}(2N+3457 - (2N+3457)) + B_{\bar{N}}(2N+3457 - (2N+2785)) + B_{\bar{N}}(2962) + B_{\bar{N}}(N-89) + B_{\bar{N}}(672) = 2962 + (N-89) + 672 = N + 3545$$

$$(N > 2962)$$

$$B_{\bar{N}}(2N+3458) = B_{\bar{N}}(2N+3458-B_{\bar{N}}(2N+3457)) + B_{\bar{N}}(2N+3458-B_{\bar{N}}(2N+3456)) + B_{\bar{N}}(2N+3458-B_{\bar{N}}(2N+3458))$$

$$= B_{\bar{N}}(2N+3458-(N+3545)) + B_{\bar{N}}(2N+3458-(2N+495)) + B_{\bar{N}}(2N+3458-(N+3546))$$

$$= B_{\bar{N}}(N-87) + B_{\bar{N}}(2963) + B_{\bar{N}}(N-88) = (N-87) + 2963 + (N-88) = 2N + 2788$$

$$(N \ge 2963)$$

$$B_{\bar{N}}(2N+3459) = B_{\bar{N}}(2N+3459 - B_{\bar{N}}(2N+3458)) + B_{\bar{N}}(2N+3459 - B_{\bar{N}}(2N+3457)) + B_{\bar{N}}(2N+3459 - B_{\bar{N}}(2N+3459))$$

$$= B_{\bar{N}}(2N+3459 - (2N+2788)) + B_{\bar{N}}(2N+3459 - (N+3545)) + B_{\bar{N}}(2N+3459 - (2N+495))$$

$$= B_{\bar{N}}(671) + B_{\bar{N}}(N-86) + B_{\bar{N}}(2964) = 671 + (N-86) + 2964 = N + 3549$$

$$(N \ge 2964)$$

$$B_{\bar{N}}(2N+3460) = B_{\bar{N}}(2N+3460 - B_{\bar{N}}(2N+3459)) + B_{\bar{N}}(2N+3460 - B_{\bar{N}}(2N+3458)) + B_{\bar{N}}(2N+3460 - B_{\bar{N}}(2N+3457))$$

$$= B_{\bar{N}}(2N+3460 - (N+3549)) + B_{\bar{N}}(2N+3460 - (2N+2788)) + B_{\bar{N}}(2N+3460 - (N+3545))$$

$$= B_{\bar{N}}(N-89) + B_{\bar{N}}(672) + B_{\bar{N}}(N-85) = (N-89) + 672 + (N-85) = 2N + 498$$

$$(N \ge 672)$$

$$B_{\bar{N}}(2N+3461) = B_{\bar{N}}(2N+3461 - B_{\bar{N}}(2N+3460)) + B_{\bar{N}}(2N+3461 - B_{\bar{N}}(2N+3459)) + B_{\bar{N}}(2N+3461 - B_{\bar{N}}(2N+3458))$$

$$= B_{\bar{N}}(2N+3461 - (2N+498)) + B_{\bar{N}}(2N+3461 - (N+3549)) + B_{\bar{N}}(2N+3461 - (2N+2788))$$

$$= B_{\bar{N}}(2963) + B_{\bar{N}}(N-88) + B_{\bar{N}}(673) = 2963 + (N-88) + 673 = N + 3548$$

$$(N \ge 2963)$$

$$B_{\bar{N}}(2N+3462) = B_{\bar{N}}(2N+3462-B_{\bar{N}}(2N+3461)) + B_{\bar{N}}(2N+3462-B_{\bar{N}}(2N+3460)) + B_{\bar{N}}(2N+3462-B_{\bar{N}}(2N+3459))$$

$$= B_{\bar{N}}(2N+3462-(N+3548)) + B_{\bar{N}}(2N+3462-(2N+498)) + B_{\bar{N}}(2N+3462-(N+3549))$$

$$= B_{\bar{N}}(N-86) + B_{\bar{N}}(2964) + B_{\bar{N}}(N-87) = (N-86) + 2964 + (N-87) = 2N + 2791$$

$$(N \ge 2964)$$

$$B_{\bar{N}}(2N+3463) = B_{\bar{N}}(2N+3463-B_{\bar{N}}(2N+3462)) + B_{\bar{N}}(2N+3463-B_{\bar{N}}(2N+3461)) + B_{\bar{N}}(2N+3463-B_{\bar{N}}(2N+3460))$$

$$= B_{\bar{N}}(2N+3463-(2N+2791)) + B_{\bar{N}}(2N+3463-(N+3548)) + B_{\bar{N}}(2N+3463-(2N+498))$$

$$= B_{\bar{N}}(672) + B_{\bar{N}}(N-85) + B_{\bar{N}}(2965) = 672 + (N-85) + 2965 = N + 3552$$

$$(N \ge 2965)$$

$$B_{\bar{N}}(2N+3464) = B_{\bar{N}}(2N+3464-B_{\bar{N}}(2N+3463)) + B_{\bar{N}}(2N+3464-B_{\bar{N}}(2N+3462)) + B_{\bar{N}}(2N+3464-B_{\bar{N}}(2N+3461))$$

$$= B_{\bar{N}}(2N+3464-(N+3552)) + B_{\bar{N}}(2N+3464-(2N+2791)) + B_{\bar{N}}(2N+3464-(N+3548))$$

$$= B_{\bar{N}}(N-88) + B_{\bar{N}}(673) + B_{\bar{N}}(N-84) = (N-88) + 673 + (N-84) = 2N + 501$$

$$(N \ge 673)$$

$$B_{\bar{N}}(2N+3465) = B_{\bar{N}}(2N+3465-B_{\bar{N}}(2N+3464)) + B_{\bar{N}}(2N+3465-B_{\bar{N}}(2N+3463)) + B_{\bar{N}}(2N+3465-B_{\bar{N}}(2N+3462))$$

$$= B_{\bar{N}}(2N+3465-(2N+501)) + B_{\bar{N}}(2N+3465-(N+3552)) + B_{\bar{N}}(2N+3465-(2N+2791))$$

$$= B_{\bar{N}}(2964) + B_{\bar{N}}(N-87) + B_{\bar{N}}(674) = 2964 + (N-87) + 674 = N + 3551$$

$$(N \ge 2964)$$

$$B_{\bar{N}}(2N+3466) = B_{\bar{N}}(2N+3466-B_{\bar{N}}(2N+3465)) + B_{\bar{N}}(2N+3466-B_{\bar{N}}(2N+3464)) + B_{\bar{N}}(2N+3466-B_{\bar{N}}(2N+3463))$$

$$= B_{\bar{N}}(2N+3466-(N+3551)) + B_{\bar{N}}(2N+3466-(2N+501)) + B_{\bar{N}}(2N+3466-(N+3552))$$

$$= B_{\bar{N}}(N-85) + B_{\bar{N}}(2965) + B_{\bar{N}}(N-86) = (N-85) + 2965 + (N-86) = 2N + 2794$$

$$(N \ge 2965)$$

$$B_{\bar{N}}(2N+3467) = B_{\bar{N}}(2N+3467 - B_{\bar{N}}(2N+3466)) + B_{\bar{N}}(2N+3467 - B_{\bar{N}}(2N+3465)) + B_{\bar{N}}(2N+3467 - B_{\bar{N}}(2N+3467)) + B_{\bar{N}}(2N+3467 - (N+3551)) + B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+3468) = B_{\bar{N}}(2N+3468-B_{\bar{N}}(2N+3467)) + B_{\bar{N}}(2N+3468-B_{\bar{N}}(2N+3466)) + B_{\bar{N}}(2N+3468-B_{\bar{N}}(2N+3465))$$

$$= B_{\bar{N}}(2N+3468-(N+3555)) + B_{\bar{N}}(2N+3468-(2N+2794)) + B_{\bar{N}}(2N+3468-(N+3551))$$

$$= B_{\bar{N}}(N-87) + B_{\bar{N}}(674) + B_{\bar{N}}(N-83) = (N-87) + 674 + (N-83) = 2N + 504$$

$$(N \ge 674)$$

$$B_{\bar{N}}(2N+3469) = B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3468)) + B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3467)) + B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2N+3469-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3470) = B_{\bar{N}}(2N+3470 - B_{\bar{N}}(2N+3469)) + B_{\bar{N}}(2N+3470 - B_{\bar{N}}(2N+3468)) + B_{\bar{N}}(2N+3470 - B_{\bar{N}}(2N+3467))$$

$$= B_{\bar{N}}(2N+3470 - (N+3554)) + B_{\bar{N}}(2N+3470 - (2N+504)) + B_{\bar{N}}(2N+3470 - (N+3555))$$

$$= B_{\bar{N}}(N-84) + B_{\bar{N}}(2966) + B_{\bar{N}}(N-85) = (N-84) + 2966 + (N-85) = 2N + 2797$$

$$(N \ge 2966)$$

$$B_{\bar{N}}(2N+3471) = B_{\bar{N}}(2N+3471 - B_{\bar{N}}(2N+3470)) + B_{\bar{N}}(2N+3471 - B_{\bar{N}}(2N+3469)) + B_{\bar{N}}(2N+3471 - B_{\bar{N}}(2N+3468))$$

$$= B_{\bar{N}}(2N+3471 - (2N+2797)) + B_{\bar{N}}(2N+3471 - (N+3554)) + B_{\bar{N}}(2N+3471 - (2N+504))$$

$$= B_{\bar{N}}(674) + B_{\bar{N}}(N-83) + B_{\bar{N}}(2967) = 674 + (N-83) + 2967 = N+3558$$

$$(N \ge 2967)$$

$$B_{\bar{N}}(2N+3472) = B_{\bar{N}}(2N+3472 - B_{\bar{N}}(2N+3471)) + B_{\bar{N}}(2N+3472 - B_{\bar{N}}(2N+3470)) + B_{\bar{N}}(2N+3472 - B_{\bar{N}}(2N+3469))$$

$$= B_{\bar{N}}(2N+3472 - (N+3558)) + B_{\bar{N}}(2N+3472 - (2N+2797)) + B_{\bar{N}}(2N+3472 - (N+3554))$$

$$= B_{\bar{N}}(N-86) + B_{\bar{N}}(675) + B_{\bar{N}}(N-82) = (N-86) + 675 + (N-82) = 2N + 507$$

$$(N \ge 675)$$

$$B_{\bar{N}}(2N+3473) = B_{\bar{N}}(2N+3473-B_{\bar{N}}(2N+3472)) + B_{\bar{N}}(2N+3473-B_{\bar{N}}(2N+3471)) + B_{\bar{N}}(2N+3473-B_{\bar{N}}(2N+3470))$$

$$= B_{\bar{N}}(2N+3473-(2N+507)) + B_{\bar{N}}(2N+3473-(N+3558)) + B_{\bar{N}}(2N+3473-(2N+2797))$$

$$= B_{\bar{N}}(2966) + B_{\bar{N}}(N-85) + B_{\bar{N}}(676) = 2966 + (N-85) + 676 = N+3557$$

$$(N \ge 2966)$$

$$B_{\bar{N}}(2N+3474) = B_{\bar{N}}(2N+3474-B_{\bar{N}}(2N+3473)) + B_{\bar{N}}(2N+3474-B_{\bar{N}}(2N+3472)) + B_{\bar{N}}(2N+3474-B_{\bar{N}}(2N+3471))$$

$$= B_{\bar{N}}(2N+3474-(N+3557)) + B_{\bar{N}}(2N+3474-(2N+507)) + B_{\bar{N}}(2N+3474-(N+3558))$$

$$= B_{\bar{N}}(N-83) + B_{\bar{N}}(2967) + B_{\bar{N}}(N-84) = (N-83) + 2967 + (N-84) = 2N + 2800$$

$$(N \ge 2967)$$

$$B_{\bar{N}}(2N+3475) = B_{\bar{N}}(2N+3475-B_{\bar{N}}(2N+3474)) + B_{\bar{N}}(2N+3475-B_{\bar{N}}(2N+3473)) + B_{\bar{N}}(2N+3475-B_{\bar{N}}(2N+3475))$$

$$= B_{\bar{N}}(2N+3475-(2N+2800)) + B_{\bar{N}}(2N+3475-(N+3557)) + B_{\bar{N}}(2N+3475-(2N+507))$$

$$= B_{\bar{N}}(675) + B_{\bar{N}}(N-82) + B_{\bar{N}}(2968) = 675 + (N-82) + 2968 = N + 3561$$

$$(N \ge 2968)$$

$$B_{\bar{N}}(2N+3476) = B_{\bar{N}}(2N+3476-B_{\bar{N}}(2N+3475)) + B_{\bar{N}}(2N+3476-B_{\bar{N}}(2N+3474)) + B_{\bar{N}}(2N+3476-B_{\bar{N}}(2N+3476))$$

$$= B_{\bar{N}}(2N+3476-(N+3561)) + B_{\bar{N}}(2N+3476-(2N+2800)) + B_{\bar{N}}(2N+3476-(N+3557))$$

$$= B_{\bar{N}}(N-85) + B_{\bar{N}}(676) + B_{\bar{N}}(N-81) = (N-85) + 676 + (N-81) = 2N + 510$$

$$(N > 676)$$

$$B_{\bar{N}}(2N+3477) = B_{\bar{N}}(2N+3477 - B_{\bar{N}}(2N+3476)) + B_{\bar{N}}(2N+3477 - B_{\bar{N}}(2N+3475)) + B_{\bar{N}}(2N+3477 - B_{\bar{N}}(2N+3474))$$

$$= B_{\bar{N}}(2N+3477 - (2N+510)) + B_{\bar{N}}(2N+3477 - (N+3561)) + B_{\bar{N}}(2N+3477 - (2N+2800))$$

$$= B_{\bar{N}}(2967) + B_{\bar{N}}(N-84) + B_{\bar{N}}(677) = 2967 + (N-84) + 677 = N + 3560$$

$$(N \ge 2967)$$

$$B_{\bar{N}}(2N+3478) = B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3477)) + B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3476)) + B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2N+3478-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3479) = B_{\bar{N}}(2N+3479 - B_{\bar{N}}(2N+3478)) + B_{\bar{N}}(2N+3479 - B_{\bar{N}}(2N+3477)) + B_{\bar{N}}(2N+3479 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3480) = B_{\bar{N}}(2N+3480 - B_{\bar{N}}(2N+3479)) + B_{\bar{N}}(2N+3480 - B_{\bar{N}}(2N+3478)) + B_{\bar{N}}(2N+3480 - B_{\bar{N}}(2N+3477))$$

$$= B_{\bar{N}}(2N+3480 - (N+3564)) + B_{\bar{N}}(2N+3480 - (2N+2803)) + B_{\bar{N}}(2N+3480 - (N+3560))$$

$$= B_{\bar{N}}(N-84) + B_{\bar{N}}(677) + B_{\bar{N}}(N-80) = (N-84) + 677 + (N-80) = 2N + 513$$

$$(N \ge 677)$$

$$B_{\bar{N}}(2N+3481) = B_{\bar{N}}(2N+3481-B_{\bar{N}}(2N+3480)) + B_{\bar{N}}(2N+3481-B_{\bar{N}}(2N+3479)) + B_{\bar{N}}(2N+3481-B_{\bar{N}}(2N+3478))$$

$$= B_{\bar{N}}(2N+3481-(2N+513)) + B_{\bar{N}}(2N+3481-(N+3564)) + B_{\bar{N}}(2N+3481-(2N+2803))$$

$$= B_{\bar{N}}(2968) + B_{\bar{N}}(N-83) + B_{\bar{N}}(678) = 2968 + (N-83) + 678 = N + 3563$$

$$(N > 2968)$$

$$B_{\bar{N}}(2N+3482) = B_{\bar{N}}(2N+3482-B_{\bar{N}}(2N+3481)) + B_{\bar{N}}(2N+3482-B_{\bar{N}}(2N+3480)) + B_{\bar{N}}(2N+3482-B_{\bar{N}}(2N+3479))$$

$$= B_{\bar{N}}(2N+3482-(N+3563)) + B_{\bar{N}}(2N+3482-(2N+513)) + B_{\bar{N}}(2N+3482-(N+3564))$$

$$= B_{\bar{N}}(N-81) + B_{\bar{N}}(2969) + B_{\bar{N}}(N-82) = (N-81) + 2969 + (N-82) = 2N + 2806$$

$$(N \ge 2969)$$

$$B_{\bar{N}}(2N+3483) = B_{\bar{N}}(2N+3483-B_{\bar{N}}(2N+3482)) + B_{\bar{N}}(2N+3483-B_{\bar{N}}(2N+3481)) + B_{\bar{N}}(2N+3483-B_{\bar{N}}(2N+3480))$$

$$= B_{\bar{N}}(2N+3483-(2N+2806)) + B_{\bar{N}}(2N+3483-(N+3563)) + B_{\bar{N}}(2N+3483-(2N+513))$$

$$= B_{\bar{N}}(677) + B_{\bar{N}}(N-80) + B_{\bar{N}}(2970) = 677 + (N-80) + 2970 = N + 3567$$

$$(N \ge 2970)$$

$$B_{\bar{N}}(2N+3484) = B_{\bar{N}}(2N+3484-B_{\bar{N}}(2N+3483)) + B_{\bar{N}}(2N+3484-B_{\bar{N}}(2N+3482)) + B_{\bar{N}}(2N+3484-B_{\bar{N}}(2N+3481))$$

$$= B_{\bar{N}}(2N+3484-(N+3567)) + B_{\bar{N}}(2N+3484-(2N+2806)) + B_{\bar{N}}(2N+3484-(N+3563))$$

$$= B_{\bar{N}}(N-83) + B_{\bar{N}}(678) + B_{\bar{N}}(N-79) = (N-83) + 678 + (N-79) = 2N + 516$$

$$(N \ge 678)$$

$$B_{\bar{N}}(2N+3485) = B_{\bar{N}}(2N+3485 - B_{\bar{N}}(2N+3484)) + B_{\bar{N}}(2N+3485 - B_{\bar{N}}(2N+3483)) + B_{\bar{N}}(2N+3485 - B_{\bar{N}}(2N+3485))$$

$$= B_{\bar{N}}(2N+3485 - (2N+516)) + B_{\bar{N}}(2N+3485 - (N+3567)) + B_{\bar{N}}(2N+3485 - (2N+2806))$$

$$= B_{\bar{N}}(2969) + B_{\bar{N}}(N-82) + B_{\bar{N}}(679) = 2969 + (N-82) + 679 = N + 3566$$

$$(N \ge 2969)$$

$$B_{\bar{N}}(2N+3486) = B_{\bar{N}}(2N+3486-B_{\bar{N}}(2N+3485)) + B_{\bar{N}}(2N+3486-B_{\bar{N}}(2N+3484)) + B_{\bar{N}}(2N+3486-B_{\bar{N}}(2N+3486))$$

$$= B_{\bar{N}}(2N+3486-(N+3566)) + B_{\bar{N}}(2N+3486-(2N+516)) + B_{\bar{N}}(2N+3486-(N+3567))$$

$$= B_{\bar{N}}(N-80) + B_{\bar{N}}(2970) + B_{\bar{N}}(N-81) = (N-80) + 2970 + (N-81) = 2N + 2809$$

$$(N > 2970)$$

$$B_{\bar{N}}(2N+3487) = B_{\bar{N}}(2N+3487 - B_{\bar{N}}(2N+3486)) + B_{\bar{N}}(2N+3487 - B_{\bar{N}}(2N+3485)) + B_{\bar{N}}(2N+3487 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3488) = B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3487)) + B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3486)) + B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2N+3488-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3489) = B_{\bar{N}}(2N+3489 - B_{\bar{N}}(2N+3488)) + B_{\bar{N}}(2N+3489 - B_{\bar{N}}(2N+3487)) + B_{\bar{N}}(2N+3489 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3490) = B_{\bar{N}}(2N+3490 - B_{\bar{N}}(2N+3489)) + B_{\bar{N}}(2N+3490 - B_{\bar{N}}(2N+3488)) + B_{\bar{N}}(2N+3490 - B_{\bar{N}}(2N+3487))$$

$$= B_{\bar{N}}(2N+3490 - (N+3569)) + B_{\bar{N}}(2N+3490 - (2N+519)) + B_{\bar{N}}(2N+3490 - (N+3570))$$

$$= B_{\bar{N}}(N-79) + B_{\bar{N}}(2971) + B_{\bar{N}}(N-80) = (N-79) + 2971 + (N-80) = 2N + 2812$$

$$(N \ge 2971)$$

$$B_{\bar{N}}(2N+3491) = B_{\bar{N}}(2N+3491 - B_{\bar{N}}(2N+3490)) + B_{\bar{N}}(2N+3491 - B_{\bar{N}}(2N+3491) + B_{\bar{N}}(2N+3491 - B_{\bar{N}}(2N+3491 - B_{\bar{N}}(2N+3491)) + B_{\bar{N}}(2N+3491 - (N+3569)) + B_{\bar{N}}(2N+3491 - (N+359)) + B_{\bar{N}}(2N+3491 - (N+359$$

$$B_{\bar{N}}(2N+3492) = B_{\bar{N}}(2N+3492 - B_{\bar{N}}(2N+3491)) + B_{\bar{N}}(2N+3492 - B_{\bar{N}}(2N+3490)) + B_{\bar{N}}(2N+3492 - B_{\bar{N}}(2N+3492))$$

$$= B_{\bar{N}}(2N+3492 - (N+3573)) + B_{\bar{N}}(2N+3492 - (2N+2812)) + B_{\bar{N}}(2N+3492 - (N+3569))$$

$$= B_{\bar{N}}(N-81) + B_{\bar{N}}(680) + B_{\bar{N}}(N-77) = (N-81) + 680 + (N-77) = 2N + 522$$

$$(N \ge 680)$$

$$B_{\bar{N}}(2N+3493) = B_{\bar{N}}(2N+3493 - B_{\bar{N}}(2N+3492)) + B_{\bar{N}}(2N+3493 - B_{\bar{N}}(2N+3491)) + B_{\bar{N}}(2N+3493 - B_{\bar{N}}(2N+3490))$$

$$= B_{\bar{N}}(2N+3493 - (2N+522)) + B_{\bar{N}}(2N+3493 - (N+3573)) + B_{\bar{N}}(2N+3493 - (2N+2812))$$

$$= B_{\bar{N}}(2971) + B_{\bar{N}}(N-80) + B_{\bar{N}}(681) = 2971 + (N-80) + 681 = N + 3572$$

$$(N \ge 2971)$$

$$B_{\bar{N}}(2N+3494) = B_{\bar{N}}(2N+3494 - B_{\bar{N}}(2N+3493)) + B_{\bar{N}}(2N+3494 - B_{\bar{N}}(2N+3492)) + B_{\bar{N}}(2N+3494 - B_{\bar{N}}(2N+3491))$$

$$= B_{\bar{N}}(2N+3494 - (N+3572)) + B_{\bar{N}}(2N+3494 - (2N+522)) + B_{\bar{N}}(2N+3494 - (N+3573))$$

$$= B_{\bar{N}}(N-78) + B_{\bar{N}}(2972) + B_{\bar{N}}(N-79) = (N-78) + 2972 + (N-79) = 2N + 2815$$

$$(N \ge 2972)$$

$$B_{\bar{N}}(2N+3495) = B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3494)) + B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3493)) + B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2N+3495-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3496) = B_{\bar{N}}(2N+3496-B_{\bar{N}}(2N+3495)) + B_{\bar{N}}(2N+3496-B_{\bar{N}}(2N+3494)) + B_{\bar{N}}(2N+3496-B_{\bar{N}}(2N+3493))$$

$$= B_{\bar{N}}(2N+3496-(N+3576)) + B_{\bar{N}}(2N+3496-(2N+2815)) + B_{\bar{N}}(2N+3496-(N+3572))$$

$$= B_{\bar{N}}(N-80) + B_{\bar{N}}(681) + B_{\bar{N}}(N-76) = (N-80) + 681 + (N-76) = 2N + 525$$

$$(N \ge 681)$$

$$B_{\bar{N}}(2N+3497) = B_{\bar{N}}(2N+3497 - B_{\bar{N}}(2N+3496)) + B_{\bar{N}}(2N+3497 - B_{\bar{N}}(2N+3495)) + B_{\bar{N}}(2N+3497 - B_{\bar{N}}(2N+3494))$$

$$= B_{\bar{N}}(2N+3497 - (2N+525)) + B_{\bar{N}}(2N+3497 - (N+3576)) + B_{\bar{N}}(2N+3497 - (2N+2815))$$

$$= B_{\bar{N}}(2972) + B_{\bar{N}}(N-79) + B_{\bar{N}}(682) = 2972 + (N-79) + 682 = N + 3575$$

$$(N > 2972)$$

$$B_{\bar{N}}(2N+3498) = B_{\bar{N}}(2N+3498-B_{\bar{N}}(2N+3497)) + B_{\bar{N}}(2N+3498-B_{\bar{N}}(2N+3496)) + B_{\bar{N}}(2N+3498-B_{\bar{N}}(2N+3495))$$

$$= B_{\bar{N}}(2N+3498-(N+3575)) + B_{\bar{N}}(2N+3498-(2N+525)) + B_{\bar{N}}(2N+3498-(N+3576))$$

$$= B_{\bar{N}}(N-77) + B_{\bar{N}}(2973) + B_{\bar{N}}(N-78) = (N-77) + 2973 + (N-78) = 2N + 2818$$

$$(N \ge 2973)$$

$$B_{\bar{N}}(2N+3499) = B_{\bar{N}}(2N+3499 - B_{\bar{N}}(2N+3498)) + B_{\bar{N}}(2N+3499 - B_{\bar{N}}(2N+3497)) + B_{\bar{N}}(2N+3499 - B_{\bar{N}}(2N+3496))$$

$$= B_{\bar{N}}(2N+3499 - (2N+2818)) + B_{\bar{N}}(2N+3499 - (N+3575)) + B_{\bar{N}}(2N+3499 - (2N+525))$$

$$= B_{\bar{N}}(681) + B_{\bar{N}}(N-76) + B_{\bar{N}}(2974) = 681 + (N-76) + 2974 = N + 3579$$

$$(N \ge 2974)$$

$$B_{\bar{N}}(2N+3500) = B_{\bar{N}}(2N+3500-B_{\bar{N}}(2N+3499)) + B_{\bar{N}}(2N+3500-B_{\bar{N}}(2N+3498)) + B_{\bar{N}}(2N+3500-B_{\bar{N}}(2N+3497))$$

$$= B_{\bar{N}}(2N+3500-(N+3579)) + B_{\bar{N}}(2N+3500-(2N+2818)) + B_{\bar{N}}(2N+3500-(N+3575))$$

$$= B_{\bar{N}}(N-79) + B_{\bar{N}}(682) + B_{\bar{N}}(N-75) = (N-79) + 682 + (N-75) = 2N + 528$$

$$(N \ge 682)$$

$$B_{\bar{N}}(2N+3501) = B_{\bar{N}}(2N+3501-B_{\bar{N}}(2N+3500)) + B_{\bar{N}}(2N+3501-B_{\bar{N}}(2N+3499)) + B_{\bar{N}}(2N+3501-B_{\bar{N}}(2N+3498))$$

$$= B_{\bar{N}}(2N+3501-(2N+528)) + B_{\bar{N}}(2N+3501-(N+3579)) + B_{\bar{N}}(2N+3501-(2N+2818))$$

$$= B_{\bar{N}}(2973) + B_{\bar{N}}(N-78) + B_{\bar{N}}(683) = 2973 + (N-78) + 683 = N + 3578$$

$$(N > 2973)$$

$$B_{\bar{N}}(2N+3502) = B_{\bar{N}}(2N+3502-B_{\bar{N}}(2N+3501)) + B_{\bar{N}}(2N+3502-B_{\bar{N}}(2N+3500)) + B_{\bar{N}}(2N+3502-B_{\bar{N}}(2N+3499))$$

$$= B_{\bar{N}}(2N+3502-(N+3578)) + B_{\bar{N}}(2N+3502-(2N+528)) + B_{\bar{N}}(2N+3502-(N+3579))$$

$$= B_{\bar{N}}(N-76) + B_{\bar{N}}(2974) + B_{\bar{N}}(N-77) = (N-76) + 2974 + (N-77) = 2N + 2821$$

$$(N \ge 2974)$$

$$B_{\bar{N}}(2N+3503) = B_{\bar{N}}(2N+3503-B_{\bar{N}}(2N+3502)) + B_{\bar{N}}(2N+3503-B_{\bar{N}}(2N+3501)) + B_{\bar{N}}(2N+3503-B_{\bar{N}}(2N+3500)) + B_{\bar{N}}(2N+3503-(2N+2821)) + B_{\bar{N}}(2N+3503-(N+3578)) + B_{\bar{N}}(2N+3503-(2N+528)) + B_{\bar{N}}(682) + B_{\bar{N}}(N-75) + B_{\bar{N}}(2975) = 682 + (N-75) + 2975 = N + 3582$$

$$(N \ge 2975)$$

$$B_{\bar{N}}(2N+3504) = B_{\bar{N}}(2N+3504-B_{\bar{N}}(2N+3503)) + B_{\bar{N}}(2N+3504-B_{\bar{N}}(2N+3502)) + B_{\bar{N}}(2N+3504-B_{\bar{N}}(2N+3501))$$

$$= B_{\bar{N}}(2N+3504-(N+3582)) + B_{\bar{N}}(2N+3504-(2N+2821)) + B_{\bar{N}}(2N+3504-(N+3578))$$

$$= B_{\bar{N}}(N-78) + B_{\bar{N}}(683) + B_{\bar{N}}(N-74) = (N-78) + 683 + (N-74) = 2N + 531$$

$$(N \ge 683)$$

$$B_{\bar{N}}(2N+3505) = B_{\bar{N}}(2N+3505-B_{\bar{N}}(2N+3504)) + B_{\bar{N}}(2N+3505-B_{\bar{N}}(2N+3503)) + B_{\bar{N}}(2N+3505-B_{\bar{N}}(2N+3502))$$

$$= B_{\bar{N}}(2N+3505-(2N+531)) + B_{\bar{N}}(2N+3505-(N+3582)) + B_{\bar{N}}(2N+3505-(2N+2821))$$

$$= B_{\bar{N}}(2974) + B_{\bar{N}}(N-77) + B_{\bar{N}}(684) = 2974 + (N-77) + 684 = N + 3581$$

$$(N \ge 2974)$$

$$B_{\bar{N}}(2N+3506) = B_{\bar{N}}(2N+3506-B_{\bar{N}}(2N+3505)) + B_{\bar{N}}(2N+3506-B_{\bar{N}}(2N+3504)) + B_{\bar{N}}(2N+3506-B_{\bar{N}}(2N+3503)) = B_{\bar{N}}(2N+3506-(N+3581)) + B_{\bar{N}}(2N+3506-(2N+531)) + B_{\bar{N}}(2N+3506-(N+3582)) = B_{\bar{N}}(N-75) + B_{\bar{N}}(2975) + B_{\bar{N}}(N-76) = (N-75) + 2975 + (N-76) = 2N + 2824 (N > 2975)$$

$$B_{\bar{N}}(2N+3507) = B_{\bar{N}}(2N+3507-B_{\bar{N}}(2N+3506)) + B_{\bar{N}}(2N+3507-B_{\bar{N}}(2N+3505)) + B_{\bar{N}}(2N+3507-B_{\bar{N}}(2N+3504))$$

$$= B_{\bar{N}}(2N+3507-(2N+2824)) + B_{\bar{N}}(2N+3507-(N+3581)) + B_{\bar{N}}(2N+3507-(2N+531))$$

$$= B_{\bar{N}}(683) + B_{\bar{N}}(N-74) + B_{\bar{N}}(2976) = 683 + (N-74) + 2976 = N+3585$$

$$(N \ge 2976)$$

$$B_{\bar{N}}(2N+3508) = B_{\bar{N}}(2N+3508-B_{\bar{N}}(2N+3507)) + B_{\bar{N}}(2N+3508-B_{\bar{N}}(2N+3506)) + B_{\bar{N}}(2N+3508-B_{\bar{N}}(2N+3508-B_{\bar{N}}(2N+3508)) = B_{\bar{N}}(2N+3508-(N+3585)) + B_{\bar{N}}(2N+3508-(2N+2824)) + B_{\bar{N}}(2N+3508-(N+3581)) = B_{\bar{N}}(N-77) + B_{\bar{N}}(684) + B_{\bar{N}}(N-73) = (N-77) + 684 + (N-73) = 2N + 534 (N \ge 684)$$

$$B_{\bar{N}}(2N+3509) = B_{\bar{N}}(2N+3509 - B_{\bar{N}}(2N+3508)) + B_{\bar{N}}(2N+3509 - B_{\bar{N}}(2N+3507)) + B_{\bar{N}}(2N+3509 - B_{\bar{N}}(2N+3509))$$

$$= B_{\bar{N}}(2N+3509 - (2N+534)) + B_{\bar{N}}(2N+3509 - (N+3585)) + B_{\bar{N}}(2N+3509 - (2N+2824))$$

$$= B_{\bar{N}}(2975) + B_{\bar{N}}(N-76) + B_{\bar{N}}(685) = 2975 + (N-76) + 685 = N + 3584$$

$$(N \ge 2975)$$

$$B_{\bar{N}}(2N+3510) = B_{\bar{N}}(2N+3510 - B_{\bar{N}}(2N+3509)) + B_{\bar{N}}(2N+3510 - B_{\bar{N}}(2N+3508)) + B_{\bar{N}}(2N+3510 - B_{\bar{N}}(2N+3507))$$

$$= B_{\bar{N}}(2N+3510 - (N+3584)) + B_{\bar{N}}(2N+3510 - (2N+534)) + B_{\bar{N}}(2N+3510 - (N+3585))$$

$$= B_{\bar{N}}(N-74) + B_{\bar{N}}(2976) + B_{\bar{N}}(N-75) = (N-74) + 2976 + (N-75) = 2N + 2827$$

$$(N \ge 2976)$$

$$B_{\bar{N}}(2N+3511) = B_{\bar{N}}(2N+3511-B_{\bar{N}}(2N+3510)) + B_{\bar{N}}(2N+3511-B_{\bar{N}}(2N+3509)) + B_{\bar{N}}(2N+3511-B_{\bar{N}}(2N+3508))$$

$$= B_{\bar{N}}(2N+3511-(2N+2827)) + B_{\bar{N}}(2N+3511-(N+3584)) + B_{\bar{N}}(2N+3511-(2N+534))$$

$$= B_{\bar{N}}(684) + B_{\bar{N}}(N-73) + B_{\bar{N}}(2977) = 684 + (N-73) + 2977 = N + 3588$$

$$(N \ge 2977)$$

$$B_{\bar{N}}(2N+3512) = B_{\bar{N}}(2N+3512-B_{\bar{N}}(2N+3511)) + B_{\bar{N}}(2N+3512-B_{\bar{N}}(2N+3510)) + B_{\bar{N}}(2N+3512-B_{\bar{N}}(2N+3509))$$

$$= B_{\bar{N}}(2N+3512-(N+3588)) + B_{\bar{N}}(2N+3512-(2N+2827)) + B_{\bar{N}}(2N+3512-(N+3584))$$

$$= B_{\bar{N}}(N-76) + B_{\bar{N}}(685) + B_{\bar{N}}(N-72) = (N-76) + 685 + (N-72) = 2N + 537$$

$$(N \ge 685)$$

$$B_{\bar{N}}(2N+3513) = B_{\bar{N}}(2N+3513-B_{\bar{N}}(2N+3512)) + B_{\bar{N}}(2N+3513-B_{\bar{N}}(2N+3511)) + B_{\bar{N}}(2N+3513-B_{\bar{N}}(2N+3510))$$

$$= B_{\bar{N}}(2N+3513-(2N+537)) + B_{\bar{N}}(2N+3513-(N+3588)) + B_{\bar{N}}(2N+3513-(2N+2827))$$

$$= B_{\bar{N}}(2976) + B_{\bar{N}}(N-75) + B_{\bar{N}}(686) = 2976 + (N-75) + 686 = N + 3587$$

$$(N \ge 2976)$$

$$B_{\bar{N}}(2N+3514) = B_{\bar{N}}(2N+3514-B_{\bar{N}}(2N+3513)) + B_{\bar{N}}(2N+3514-B_{\bar{N}}(2N+3512)) + B_{\bar{N}}(2N+3514-B_{\bar{N}}(2N+3511))$$

$$= B_{\bar{N}}(2N+3514-(N+3587)) + B_{\bar{N}}(2N+3514-(2N+537)) + B_{\bar{N}}(2N+3514-(N+3588))$$

$$= B_{\bar{N}}(N-73) + B_{\bar{N}}(2977) + B_{\bar{N}}(N-74) = (N-73) + 2977 + (N-74) = 2N + 2830$$

$$(N \ge 2977)$$

$$B_{\bar{N}}(2N+3515) = B_{\bar{N}}(2N+3515-B_{\bar{N}}(2N+3514)) + B_{\bar{N}}(2N+3515-B_{\bar{N}}(2N+3513)) + B_{\bar{N}}(2N+3515-B_{\bar{N}}(2N+3512))$$

$$= B_{\bar{N}}(2N+3515-(2N+2830)) + B_{\bar{N}}(2N+3515-(N+3587)) + B_{\bar{N}}(2N+3515-(2N+537))$$

$$= B_{\bar{N}}(685) + B_{\bar{N}}(N-72) + B_{\bar{N}}(2978) = 685 + (N-72) + 2978 = N + 3591$$

$$(N \ge 2978)$$

$$B_{\bar{N}}(2N+3516) = B_{\bar{N}}(2N+3516-B_{\bar{N}}(2N+3515)) + B_{\bar{N}}(2N+3516-B_{\bar{N}}(2N+3514)) + B_{\bar{N}}(2N+3516-B_{\bar{N}}(2N+3513))$$

$$= B_{\bar{N}}(2N+3516-(N+3591)) + B_{\bar{N}}(2N+3516-(2N+2830)) + B_{\bar{N}}(2N+3516-(N+3587))$$

$$= B_{\bar{N}}(N-75) + B_{\bar{N}}(686) + B_{\bar{N}}(N-71) = (N-75) + 686 + (N-71) = 2N + 540$$

$$(N \ge 686)$$

$$B_{\bar{N}}(2N+3517) = B_{\bar{N}}(2N+3517 - B_{\bar{N}}(2N+3516)) + B_{\bar{N}}(2N+3517 - B_{\bar{N}}(2N+3515)) + B_{\bar{N}}(2N+3517 - B_{\bar{N}}(2N+3514))$$

$$= B_{\bar{N}}(2N+3517 - (2N+540)) + B_{\bar{N}}(2N+3517 - (N+3591)) + B_{\bar{N}}(2N+3517 - (2N+2830))$$

$$= B_{\bar{N}}(2977) + B_{\bar{N}}(N-74) + B_{\bar{N}}(687) = 2977 + (N-74) + 687 = N + 3590$$

$$(N \ge 2977)$$

$$B_{\bar{N}}(2N+3518) = B_{\bar{N}}(2N+3518-B_{\bar{N}}(2N+3517)) + B_{\bar{N}}(2N+3518-B_{\bar{N}}(2N+3516)) + B_{\bar{N}}(2N+3518-B_{\bar{N}}(2N+3515))$$

$$= B_{\bar{N}}(2N+3518-(N+3590)) + B_{\bar{N}}(2N+3518-(2N+540)) + B_{\bar{N}}(2N+3518-(N+3591))$$

$$= B_{\bar{N}}(N-72) + B_{\bar{N}}(2978) + B_{\bar{N}}(N-73) = (N-72) + 2978 + (N-73) = 2N + 2833$$

$$(N \ge 2978)$$

$$B_{\bar{N}}(2N+3519) = B_{\bar{N}}(2N+3519 - B_{\bar{N}}(2N+3518)) + B_{\bar{N}}(2N+3519 - B_{\bar{N}}(2N+3517)) + B_{\bar{N}}(2N+3519 - B_{\bar{N}}(2N+3516))$$

$$= B_{\bar{N}}(2N+3519 - (2N+2833)) + B_{\bar{N}}(2N+3519 - (N+3590)) + B_{\bar{N}}(2N+3519 - (2N+540))$$

$$= B_{\bar{N}}(686) + B_{\bar{N}}(N-71) + B_{\bar{N}}(2979) = 686 + (N-71) + 2979 = N + 3594$$

$$(N \ge 2979)$$

$$B_{\bar{N}}(2N+3520) = B_{\bar{N}}(2N+3520 - B_{\bar{N}}(2N+3519)) + B_{\bar{N}}(2N+3520 - B_{\bar{N}}(2N+3518)) + B_{\bar{N}}(2N+3520 - B_{\bar{N}}(2N+3517))$$

$$= B_{\bar{N}}(2N+3520 - (N+3594)) + B_{\bar{N}}(2N+3520 - (2N+2833)) + B_{\bar{N}}(2N+3520 - (N+3590))$$

$$= B_{\bar{N}}(N-74) + B_{\bar{N}}(687) + B_{\bar{N}}(N-70) = (N-74) + 687 + (N-70) = 2N + 543$$

$$(N \ge 687)$$

$$B_{\bar{N}}(2N+3521) = B_{\bar{N}}(2N+3521-B_{\bar{N}}(2N+3520)) + B_{\bar{N}}(2N+3521-B_{\bar{N}}(2N+3519)) + B_{\bar{N}}(2N+3521-B_{\bar{N}}(2N+3518)) = B_{\bar{N}}(2N+3521-(2N+543)) + B_{\bar{N}}(2N+3521-(N+3594)) + B_{\bar{N}}(2N+3521-(2N+2833)) = B_{\bar{N}}(2978) + B_{\bar{N}}(N-73) + B_{\bar{N}}(688) = 2978 + (N-73) + 688 = N+3593 (N > 2978)$$

$$B_{\bar{N}}(2N+3522) = B_{\bar{N}}(2N+3522 - B_{\bar{N}}(2N+3521)) + B_{\bar{N}}(2N+3522 - B_{\bar{N}}(2N+3520)) + B_{\bar{N}}(2N+3522 - B_{\bar{N}}(2N+3519))$$

$$= B_{\bar{N}}(2N+3522 - (N+3593)) + B_{\bar{N}}(2N+3522 - (2N+543)) + B_{\bar{N}}(2N+3522 - (N+3594))$$

$$= B_{\bar{N}}(N-71) + B_{\bar{N}}(2979) + B_{\bar{N}}(N-72) = (N-71) + 2979 + (N-72) = 2N + 2836$$

$$(N > 2979)$$

$$B_{\bar{N}}(2N+3523) = B_{\bar{N}}(2N+3523-B_{\bar{N}}(2N+3522)) + B_{\bar{N}}(2N+3523-B_{\bar{N}}(2N+3521)) + B_{\bar{N}}(2N+3523-B_{\bar{N}}(2N+3523)) = B_{\bar{N}}(2N+3523-(2N+2836)) + B_{\bar{N}}(2N+3523-(N+3593)) + B_{\bar{N}}(2N+3523-(2N+543)) = B_{\bar{N}}(687) + B_{\bar{N}}(N-70) + B_{\bar{N}}(2980) = 687 + (N-70) + 2980 = N + 3597 (N \ge 2980)$$

$$B_{\bar{N}}(2N+3524) = B_{\bar{N}}(2N+3524-B_{\bar{N}}(2N+3523)) + B_{\bar{N}}(2N+3524-B_{\bar{N}}(2N+3522)) + B_{\bar{N}}(2N+3524-B_{\bar{N}}(2N+3521))$$

$$= B_{\bar{N}}(2N+3524-(N+3597)) + B_{\bar{N}}(2N+3524-(2N+2836)) + B_{\bar{N}}(2N+3524-(N+3593))$$

$$= B_{\bar{N}}(N-73) + B_{\bar{N}}(688) + B_{\bar{N}}(N-69) = (N-73) + 688 + (N-69) = 2N + 546$$

$$(N \ge 688)$$

$$B_{\bar{N}}(2N+3525) = B_{\bar{N}}(2N+3525-B_{\bar{N}}(2N+3524)) + B_{\bar{N}}(2N+3525-B_{\bar{N}}(2N+3523)) + B_{\bar{N}}(2N+3525-B_{\bar{N}}(2N+3525))$$

$$= B_{\bar{N}}(2N+3525-(2N+546)) + B_{\bar{N}}(2N+3525-(N+3597)) + B_{\bar{N}}(2N+3525-(2N+2836))$$

$$= B_{\bar{N}}(2979) + B_{\bar{N}}(N-72) + B_{\bar{N}}(689) = 2979 + (N-72) + 689 = N + 3596$$

$$(N \ge 2979)$$

$$B_{\bar{N}}(2N+3526) = B_{\bar{N}}(2N+3526-B_{\bar{N}}(2N+3525)) + B_{\bar{N}}(2N+3526-B_{\bar{N}}(2N+3524)) + B_{\bar{N}}(2N+3526-B_{\bar{N}}(2N+3526)) = B_{\bar{N}}(2N+3526-(N+3596)) + B_{\bar{N}}(2N+3526-(2N+546)) + B_{\bar{N}}(2N+3526-(N+3597)) = B_{\bar{N}}(N-70) + B_{\bar{N}}(2980) + B_{\bar{N}}(N-71) = (N-70) + 2980 + (N-71) = 2N + 2839 (N > 2980)$$

$$B_{\bar{N}}(2N+3527) = B_{\bar{N}}(2N+3527 - B_{\bar{N}}(2N+3526)) + B_{\bar{N}}(2N+3527 - B_{\bar{N}}(2N+3525)) + B_{\bar{N}}(2N+3527 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3528) = B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3527)) + B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3526)) + B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2N+3528-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3529) = B_{\bar{N}}(2N+3529 - B_{\bar{N}}(2N+3528)) + B_{\bar{N}}(2N+3529 - B_{\bar{N}}(2N+3527)) + B_{\bar{N}}(2N+3529 - B_{\bar{N}}(2N+3529))$$

$$= B_{\bar{N}}(2N+3529 - (2N+549)) + B_{\bar{N}}(2N+3529 - (N+3600)) + B_{\bar{N}}(2N+3529 - (2N+2839))$$

$$= B_{\bar{N}}(2980) + B_{\bar{N}}(N-71) + B_{\bar{N}}(690) = 2980 + (N-71) + 690 = N + 3599$$

$$(N \ge 2980)$$

$$B_{\bar{N}}(2N+3530) = B_{\bar{N}}(2N+3530 - B_{\bar{N}}(2N+3529)) + B_{\bar{N}}(2N+3530 - B_{\bar{N}}(2N+3528)) + B_{\bar{N}}(2N+3530 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3531) = B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3530)) + B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+3531-B_{\bar{N}}(2N+35$$

$$B_{\bar{N}}(2N+3532) = B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3531)) + B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3530)) + B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+3532-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+352-B_{\bar{N}$$

$$B_{\bar{N}}(2N+3533) = B_{\bar{N}}(2N+3533-B_{\bar{N}}(2N+3532)) + B_{\bar{N}}(2N+3533-B_{\bar{N}}(2N+3531)) + B_{\bar{N}}(2N+3533-B_{\bar{N}}(2N+3530))$$

$$= B_{\bar{N}}(2N+3533-(2N+552)) + B_{\bar{N}}(2N+3533-(N+3603)) + B_{\bar{N}}(2N+3533-(2N+2842))$$

$$= B_{\bar{N}}(2981) + B_{\bar{N}}(N-70) + B_{\bar{N}}(691) = 2981 + (N-70) + 691 = N + 3602$$

$$(N \ge 2981)$$

$$B_{\bar{N}}(2N+3534) = B_{\bar{N}}(2N+3534-B_{\bar{N}}(2N+3533)) + B_{\bar{N}}(2N+3534-B_{\bar{N}}(2N+3532)) + B_{\bar{N}}(2N+3534-B_{\bar{N}}(2N+3531))$$

$$= B_{\bar{N}}(2N+3534-(N+3602)) + B_{\bar{N}}(2N+3534-(2N+552)) + B_{\bar{N}}(2N+3534-(N+3603))$$

$$= B_{\bar{N}}(N-68) + B_{\bar{N}}(2982) + B_{\bar{N}}(N-69) = (N-68) + 2982 + (N-69) = 2N + 2845$$

$$(N \ge 2982)$$

$$B_{\bar{N}}(2N+3535) = B_{\bar{N}}(2N+3535-B_{\bar{N}}(2N+3534)) + B_{\bar{N}}(2N+3535-B_{\bar{N}}(2N+3535)) + B_{\bar{N}}(2N+3535-B_{\bar{N}}(2N+3535-B_{\bar{N}}(2N+3535)) + B_{\bar{N}}(2N+3535-(2N+3535)) + B_{\bar{N}}(2N+3535-(2N+3535)) + B_{\bar{N}}(2N+3535-(2N+3535)) + B_{\bar{N}}(2N+3535-(2N+3535)) + B_{\bar{N}}(2N+3535-B_{\bar{N}}(2N+3535)) + B_{\bar{N}}(2N+3535) + B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+3536) = B_{\bar{N}}(2N+3536-B_{\bar{N}}(2N+3535)) + B_{\bar{N}}(2N+3536-B_{\bar{N}}(2N+3534)) + B_{\bar{N}}(2N+3536-B_{\bar{N}}(2N+3536))$$

$$= B_{\bar{N}}(2N+3536-(N+3606)) + B_{\bar{N}}(2N+3536-(2N+2845)) + B_{\bar{N}}(2N+3536-(N+3602))$$

$$= B_{\bar{N}}(N-70) + B_{\bar{N}}(691) + B_{\bar{N}}(N-66) = (N-70) + 691 + (N-66) = 2N + 555$$

$$(N \ge 691)$$

$$B_{\bar{N}}(2N+3537) = B_{\bar{N}}(2N+3537 - B_{\bar{N}}(2N+3536)) + B_{\bar{N}}(2N+3537 - B_{\bar{N}}(2N+3535)) + B_{\bar{N}}(2N+3537 - B_{\bar{N}}(2N+357 - B_{\bar{N}}(2N+3537 - B_{\bar{N}}(2N+357 - B_{\bar{N}}$$

$$B_{\bar{N}}(2N+3538) = B_{\bar{N}}(2N+3538-B_{\bar{N}}(2N+3537)) + B_{\bar{N}}(2N+3538-B_{\bar{N}}(2N+3536)) + B_{\bar{N}}(2N+3538-B_{\bar{N}}(2N+3538))$$

$$= B_{\bar{N}}(2N+3538-(N+3605)) + B_{\bar{N}}(2N+3538-(2N+555)) + B_{\bar{N}}(2N+3538-(N+3606))$$

$$= B_{\bar{N}}(N-67) + B_{\bar{N}}(2983) + B_{\bar{N}}(N-68) = (N-67) + 2983 + (N-68) = 2N + 2848$$

$$(N \ge 2983)$$

$$B_{\bar{N}}(2N+3539) = B_{\bar{N}}(2N+3539 - B_{\bar{N}}(2N+3538)) + B_{\bar{N}}(2N+3539 - B_{\bar{N}}(2N+3537)) + B_{\bar{N}}(2N+3539 - B_{\bar{N}}(2N+359 - B_{\bar{N}}(2N+359$$

$$B_{\bar{N}}(2N+3540) = B_{\bar{N}}(2N+3540-B_{\bar{N}}(2N+3539)) + B_{\bar{N}}(2N+3540-B_{\bar{N}}(2N+3538)) + B_{\bar{N}}(2N+3540-B_{\bar{N}}(2N+3537))$$

$$= B_{\bar{N}}(2N+3540-(N+3609)) + B_{\bar{N}}(2N+3540-(2N+2848)) + B_{\bar{N}}(2N+3540-(N+3605))$$

$$= B_{\bar{N}}(N-69) + B_{\bar{N}}(692) + B_{\bar{N}}(N-65) = (N-69) + 692 + (N-65) = 2N + 558$$

$$(N \ge 692)$$

$$B_{\bar{N}}(2N+3541) = B_{\bar{N}}(2N+3541-B_{\bar{N}}(2N+3540)) + B_{\bar{N}}(2N+3541-B_{\bar{N}}(2N+3539)) + B_{\bar{N}}(2N+3541-B_{\bar{N}}(2N+3538))$$

$$= B_{\bar{N}}(2N+3541-(2N+558)) + B_{\bar{N}}(2N+3541-(N+3609)) + B_{\bar{N}}(2N+3541-(2N+2848))$$

$$= B_{\bar{N}}(2983) + B_{\bar{N}}(N-68) + B_{\bar{N}}(693) = 2983 + (N-68) + 693 = N + 3608$$

$$(N > 2983)$$

$$B_{\bar{N}}(2N+3542) = B_{\bar{N}}(2N+3542-B_{\bar{N}}(2N+3541)) + B_{\bar{N}}(2N+3542-B_{\bar{N}}(2N+3540)) + B_{\bar{N}}(2N+3542-B_{\bar{N}}(2N+3539))$$

$$= B_{\bar{N}}(2N+3542-(N+3608)) + B_{\bar{N}}(2N+3542-(2N+558)) + B_{\bar{N}}(2N+3542-(N+3609))$$

$$= B_{\bar{N}}(N-66) + B_{\bar{N}}(2984) + B_{\bar{N}}(N-67) = (N-66) + 2984 + (N-67) = 2N + 2851$$

$$(N \ge 2984)$$

$$B_{\bar{N}}(2N+3543) = B_{\bar{N}}(2N+3543-B_{\bar{N}}(2N+3542)) + B_{\bar{N}}(2N+3543-B_{\bar{N}}(2N+3541)) + B_{\bar{N}}(2N+3543-B_{\bar{N}}(2N+3540))$$

$$= B_{\bar{N}}(2N+3543-(2N+2851)) + B_{\bar{N}}(2N+3543-(N+3608)) + B_{\bar{N}}(2N+3543-(2N+558))$$

$$= B_{\bar{N}}(692) + B_{\bar{N}}(N-65) + B_{\bar{N}}(2985) = 692 + (N-65) + 2985 = N + 3612$$

$$(N \ge 2985)$$

$$B_{\bar{N}}(2N+3544) = B_{\bar{N}}(2N+3544 - B_{\bar{N}}(2N+3543)) + B_{\bar{N}}(2N+3544 - B_{\bar{N}}(2N+3542)) + B_{\bar{N}}(2N+3544 - B_{\bar{N}}(2N+3541))$$

$$= B_{\bar{N}}(2N+3544 - (N+3612)) + B_{\bar{N}}(2N+3544 - (2N+2851)) + B_{\bar{N}}(2N+3544 - (N+3608))$$

$$= B_{\bar{N}}(N-68) + B_{\bar{N}}(693) + B_{\bar{N}}(N-64) = (N-68) + 693 + (N-64) = 2N + 561$$

$$(N \ge 693)$$

$$B_{\bar{N}}(2N+3545) = B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3544)) + B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545)) + B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2N+3545-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3546) = B_{\bar{N}}(2N+3546-B_{\bar{N}}(2N+3545)) + B_{\bar{N}}(2N+3546-B_{\bar{N}}(2N+3546)) + B_{\bar{N}}(2N+3546-B_{\bar{N}}(2N+3546-B_{\bar{N}}(2N+3546)) + B_{\bar{N}}(2N+3546-(N+3611)) + B_{\bar{N}}(2N+3546-(N+3612)) + B_{\bar{N}}(2N+3546-(N+3612)) + B_{\bar{N}}(N-65) + B_{\bar{N}}(2985) + B_{\bar{N}}(N-66) = (N-65) + 2985 + (N-66) = 2N + 2854$$

$$(N \ge 2985)$$

$$B_{\bar{N}}(2N+3547) = B_{\bar{N}}(2N+3547 - B_{\bar{N}}(2N+3546)) + B_{\bar{N}}(2N+3547 - B_{\bar{N}}(2N+3545)) + B_{\bar{N}}(2N+3547 - B_{\bar{N}}(2N+3547)) + B_{\bar{N}}(2N+3547) + B_{\bar$$

$$B_{\bar{N}}(2N+3548) = B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3547)) + B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3546)) + B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2N+3548-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3549) = B_{\bar{N}}(2N+3549 - B_{\bar{N}}(2N+3548)) + B_{\bar{N}}(2N+3549 - B_{\bar{N}}(2N+3547)) + B_{\bar{N}}(2N+3549 - B_{\bar{N}}(2N+3549))$$

$$= B_{\bar{N}}(2N+3549 - (2N+564)) + B_{\bar{N}}(2N+3549 - (N+3615)) + B_{\bar{N}}(2N+3549 - (2N+2854))$$

$$= B_{\bar{N}}(2985) + B_{\bar{N}}(N-66) + B_{\bar{N}}(695) = 2985 + (N-66) + 695 = N + 3614$$

$$(N \ge 2985)$$

$$B_{\bar{N}}(2N+3550) = B_{\bar{N}}(2N+3550 - B_{\bar{N}}(2N+3549)) + B_{\bar{N}}(2N+3550 - B_{\bar{N}}(2N+3548)) + B_{\bar{N}}(2N+3550 - B_{\bar{N}}(2N+3547))$$

$$= B_{\bar{N}}(2N+3550 - (N+3614)) + B_{\bar{N}}(2N+3550 - (2N+564)) + B_{\bar{N}}(2N+3550 - (N+3615))$$

$$= B_{\bar{N}}(N-64) + B_{\bar{N}}(2986) + B_{\bar{N}}(N-65) = (N-64) + 2986 + (N-65) = 2N + 2857$$

$$(N \ge 2986)$$

$$B_{\bar{N}}(2N+3551) = B_{\bar{N}}(2N+3551-B_{\bar{N}}(2N+3550)) + B_{\bar{N}}(2N+3551-B_{\bar{N}}(2N+3549)) + B_{\bar{N}}(2N+3551-B_{\bar{N}}(2N+3548))$$

$$= B_{\bar{N}}(2N+3551-(2N+2857)) + B_{\bar{N}}(2N+3551-(N+3614)) + B_{\bar{N}}(2N+3551-(2N+564))$$

$$= B_{\bar{N}}(694) + B_{\bar{N}}(N-63) + B_{\bar{N}}(2987) = 694 + (N-63) + 2987 = N + 3618$$

$$(N \ge 2987)$$

$$B_{\bar{N}}(2N+3552) = B_{\bar{N}}(2N+3552-B_{\bar{N}}(2N+3551)) + B_{\bar{N}}(2N+3552-B_{\bar{N}}(2N+3550)) + B_{\bar{N}}(2N+3552-B_{\bar{N}}(2N+3549))$$

$$= B_{\bar{N}}(2N+3552-(N+3618)) + B_{\bar{N}}(2N+3552-(2N+2857)) + B_{\bar{N}}(2N+3552-(N+3614))$$

$$= B_{\bar{N}}(N-66) + B_{\bar{N}}(695) + B_{\bar{N}}(N-62) = (N-66) + 695 + (N-62) = 2N + 567$$

$$(N \ge 695)$$

$$B_{\bar{N}}(2N+3553) = B_{\bar{N}}(2N+3553-B_{\bar{N}}(2N+3552)) + B_{\bar{N}}(2N+3553-B_{\bar{N}}(2N+3551)) + B_{\bar{N}}(2N+3553-B_{\bar{N}}(2N+3550)) = B_{\bar{N}}(2N+3553-(2N+567)) + B_{\bar{N}}(2N+3553-(N+3618)) + B_{\bar{N}}(2N+3553-(2N+2857)) = B_{\bar{N}}(2986) + B_{\bar{N}}(N-65) + B_{\bar{N}}(696) = 2986 + (N-65) + 696 = N+3617 (N \ge 2986)$$

$$B_{\bar{N}}(2N+3554) = B_{\bar{N}}(2N+3554-B_{\bar{N}}(2N+3553)) + B_{\bar{N}}(2N+3554-B_{\bar{N}}(2N+3552)) + B_{\bar{N}}(2N+3554-B_{\bar{N}}(2N+3551))$$

$$= B_{\bar{N}}(2N+3554-(N+3617)) + B_{\bar{N}}(2N+3554-(2N+567)) + B_{\bar{N}}(2N+3554-(N+3618))$$

$$= B_{\bar{N}}(N-63) + B_{\bar{N}}(2987) + B_{\bar{N}}(N-64) = (N-63) + 2987 + (N-64) = 2N + 2860$$

$$(N \ge 2987)$$

$$B_{\bar{N}}(2N+3555) = B_{\bar{N}}(2N+3555-B_{\bar{N}}(2N+3554)) + B_{\bar{N}}(2N+3555-B_{\bar{N}}(2N+3555)) + B_{\bar{N}}(2N+3555-B_{\bar{N}}(2N+3555))$$

$$= B_{\bar{N}}(2N+3555-(2N+2860)) + B_{\bar{N}}(2N+3555-(N+3617)) + B_{\bar{N}}(2N+3555-(2N+567))$$

$$= B_{\bar{N}}(695) + B_{\bar{N}}(N-62) + B_{\bar{N}}(2988) = 695 + (N-62) + 2988 = N + 3621$$

$$(N \ge 2988)$$

$$B_{\bar{N}}(2N+3556) = B_{\bar{N}}(2N+3556-B_{\bar{N}}(2N+3555)) + B_{\bar{N}}(2N+3556-B_{\bar{N}}(2N+3554)) + B_{\bar{N}}(2N+3556-B_{\bar{N}}(2N+3553))$$

$$= B_{\bar{N}}(2N+3556-(N+3621)) + B_{\bar{N}}(2N+3556-(2N+2860)) + B_{\bar{N}}(2N+3556-(N+3617))$$

$$= B_{\bar{N}}(N-65) + B_{\bar{N}}(696) + B_{\bar{N}}(N-61) = (N-65) + 696 + (N-61) = 2N + 570$$

$$(N \ge 696)$$

$$B_{\bar{N}}(2N+3557) = B_{\bar{N}}(2N+3557 - B_{\bar{N}}(2N+3556)) + B_{\bar{N}}(2N+3557 - B_{\bar{N}}(2N+3557)) + B_{\bar{N}}(2N+3557 - B_{\bar{N}}(2N+357)) + B_{\bar{N}}(2N+357) +$$

$$B_{\bar{N}}(2N+3558) = B_{\bar{N}}(2N+3558-B_{\bar{N}}(2N+3557)) + B_{\bar{N}}(2N+3558-B_{\bar{N}}(2N+3556)) + B_{\bar{N}}(2N+3558-B_{\bar{N}}(2N+3555))$$

$$= B_{\bar{N}}(2N+3558-(N+3620)) + B_{\bar{N}}(2N+3558-(2N+570)) + B_{\bar{N}}(2N+3558-(N+3621))$$

$$= B_{\bar{N}}(N-62) + B_{\bar{N}}(2988) + B_{\bar{N}}(N-63) = (N-62) + 2988 + (N-63) = 2N + 2863$$

$$(N \ge 2988)$$

$$B_{\bar{N}}(2N+3559) = B_{\bar{N}}(2N+3559 - B_{\bar{N}}(2N+3558)) + B_{\bar{N}}(2N+3559 - B_{\bar{N}}(2N+3557)) + B_{\bar{N}}(2N+3559 - B_{\bar{N}}(2N+3559))$$

$$= B_{\bar{N}}(2N+3559 - (2N+2863)) + B_{\bar{N}}(2N+3559 - (N+3620)) + B_{\bar{N}}(2N+3559 - (2N+570))$$

$$= B_{\bar{N}}(696) + B_{\bar{N}}(N-61) + B_{\bar{N}}(2989) = 696 + (N-61) + 2989 = N + 3624$$

$$(N \ge 2989)$$

$$B_{\bar{N}}(2N+3560) = B_{\bar{N}}(2N+3560 - B_{\bar{N}}(2N+3559)) + B_{\bar{N}}(2N+3560 - B_{\bar{N}}(2N+3558)) + B_{\bar{N}}(2N+3560 - B_{\bar{N}}(2N+3557))$$

$$= B_{\bar{N}}(2N+3560 - (N+3624)) + B_{\bar{N}}(2N+3560 - (2N+2863)) + B_{\bar{N}}(2N+3560 - (N+3620))$$

$$= B_{\bar{N}}(N-64) + B_{\bar{N}}(697) + B_{\bar{N}}(N-60) = (N-64) + 697 + (N-60) = 2N + 573$$

$$(N \ge 697)$$

$$B_{\bar{N}}(2N+3561) = B_{\bar{N}}(2N+3561-B_{\bar{N}}(2N+3560)) + B_{\bar{N}}(2N+3561-B_{\bar{N}}(2N+3559)) + B_{\bar{N}}(2N+3561-B_{\bar{N}}(2N+3558))$$

$$= B_{\bar{N}}(2N+3561-(2N+573)) + B_{\bar{N}}(2N+3561-(N+3624)) + B_{\bar{N}}(2N+3561-(2N+2863))$$

$$= B_{\bar{N}}(2988) + B_{\bar{N}}(N-63) + B_{\bar{N}}(698) = 2988 + (N-63) + 698 = N + 3623$$

$$(N > 2988)$$

$$B_{\bar{N}}(2N+3562) = B_{\bar{N}}(2N+3562-B_{\bar{N}}(2N+3561)) + B_{\bar{N}}(2N+3562-B_{\bar{N}}(2N+3560)) + B_{\bar{N}}(2N+3562-B_{\bar{N}}(2N+3559))$$

$$= B_{\bar{N}}(2N+3562-(N+3623)) + B_{\bar{N}}(2N+3562-(2N+573)) + B_{\bar{N}}(2N+3562-(N+3624))$$

$$= B_{\bar{N}}(N-61) + B_{\bar{N}}(2989) + B_{\bar{N}}(N-62) = (N-61) + 2989 + (N-62) = 2N + 2866$$

$$(N \ge 2989)$$

$$B_{\bar{N}}(2N+3563) = B_{\bar{N}}(2N+3563-B_{\bar{N}}(2N+3562)) + B_{\bar{N}}(2N+3563-B_{\bar{N}}(2N+3561)) + B_{\bar{N}}(2N+3563-B_{\bar{N}}(2N+3560))$$

$$= B_{\bar{N}}(2N+3563-(2N+2866)) + B_{\bar{N}}(2N+3563-(N+3623)) + B_{\bar{N}}(2N+3563-(2N+573))$$

$$= B_{\bar{N}}(697) + B_{\bar{N}}(N-60) + B_{\bar{N}}(2990) = 697 + (N-60) + 2990 = N + 3627$$

$$(N \ge 2990)$$

$$B_{\bar{N}}(2N+3564) = B_{\bar{N}}(2N+3564-B_{\bar{N}}(2N+3563)) + B_{\bar{N}}(2N+3564-B_{\bar{N}}(2N+3562)) + B_{\bar{N}}(2N+3564-B_{\bar{N}}(2N+3561))$$

$$= B_{\bar{N}}(2N+3564-(N+3627)) + B_{\bar{N}}(2N+3564-(2N+2866)) + B_{\bar{N}}(2N+3564-(N+3623))$$

$$= B_{\bar{N}}(N-63) + B_{\bar{N}}(698) + B_{\bar{N}}(N-59) = (N-63) + 698 + (N-59) = 2N + 576$$

$$(N \ge 698)$$

$$B_{\bar{N}}(2N+3565) = B_{\bar{N}}(2N+3565-B_{\bar{N}}(2N+3564)) + B_{\bar{N}}(2N+3565-B_{\bar{N}}(2N+3563)) + B_{\bar{N}}(2N+3565-B_{\bar{N}}(2N+3562))$$

$$= B_{\bar{N}}(2N+3565-(2N+576)) + B_{\bar{N}}(2N+3565-(N+3627)) + B_{\bar{N}}(2N+3565-(2N+2866))$$

$$= B_{\bar{N}}(2989) + B_{\bar{N}}(N-62) + B_{\bar{N}}(699) = 2989 + (N-62) + 699 = N + 3626$$

$$(N \ge 2989)$$

$$B_{\bar{N}}(2N+3566) = B_{\bar{N}}(2N+3566-B_{\bar{N}}(2N+3565)) + B_{\bar{N}}(2N+3566-B_{\bar{N}}(2N+3564)) + B_{\bar{N}}(2N+3566-B_{\bar{N}}(2N+3563))$$

$$= B_{\bar{N}}(2N+3566-(N+3626)) + B_{\bar{N}}(2N+3566-(2N+576)) + B_{\bar{N}}(2N+3566-(N+3627))$$

$$= B_{\bar{N}}(N-60) + B_{\bar{N}}(2990) + B_{\bar{N}}(N-61) = (N-60) + 2990 + (N-61) = 2N + 2869$$

$$(N \ge 2990)$$

$$B_{\bar{N}}(2N+3567) = B_{\bar{N}}(2N+3567 - B_{\bar{N}}(2N+3566)) + B_{\bar{N}}(2N+3567 - B_{\bar{N}}(2N+3565)) + B_{\bar{N}}(2N+3567 - B_{\bar{N}}(2N+3564))$$

$$= B_{\bar{N}}(2N+3567 - (2N+2869)) + B_{\bar{N}}(2N+3567 - (N+3626)) + B_{\bar{N}}(2N+3567 - (2N+576))$$

$$= B_{\bar{N}}(698) + B_{\bar{N}}(N-59) + B_{\bar{N}}(2991) = 698 + (N-59) + 2991 = N + 3630$$

$$(N \ge 2991)$$

$$B_{\bar{N}}(2N+3568) = B_{\bar{N}}(2N+3568-B_{\bar{N}}(2N+3567)) + B_{\bar{N}}(2N+3568-B_{\bar{N}}(2N+3566)) + B_{\bar{N}}(2N+3568-B_{\bar{N}}(2N+3568))$$

$$= B_{\bar{N}}(2N+3568-(N+3630)) + B_{\bar{N}}(2N+3568-(2N+2869)) + B_{\bar{N}}(2N+3568-(N+3626))$$

$$= B_{\bar{N}}(N-62) + B_{\bar{N}}(699) + B_{\bar{N}}(N-58) = (N-62) + 699 + (N-58) = 2N + 579$$

$$(N \ge 699)$$

$$B_{\bar{N}}(2N+3569) = B_{\bar{N}}(2N+3569 - B_{\bar{N}}(2N+3568)) + B_{\bar{N}}(2N+3569 - B_{\bar{N}}(2N+3567)) + B_{\bar{N}}(2N+3569 - B_{\bar{N}}(2N+3569))$$

$$= B_{\bar{N}}(2N+3569 - (2N+579)) + B_{\bar{N}}(2N+3569 - (N+3630)) + B_{\bar{N}}(2N+3569 - (2N+2869))$$

$$= B_{\bar{N}}(2990) + B_{\bar{N}}(N-61) + B_{\bar{N}}(700) = 2990 + (N-61) + 700 = N + 3629$$

$$(N \ge 2990)$$

$$B_{\bar{N}}(2N+3570) = B_{\bar{N}}(2N+3570-B_{\bar{N}}(2N+3569)) + B_{\bar{N}}(2N+3570-B_{\bar{N}}(2N+3568)) + B_{\bar{N}}(2N+3570-B_{\bar{N}}(2N+3567))$$

$$= B_{\bar{N}}(2N+3570-(N+3629)) + B_{\bar{N}}(2N+3570-(2N+579)) + B_{\bar{N}}(2N+3570-(N+3630))$$

$$= B_{\bar{N}}(N-59) + B_{\bar{N}}(2991) + B_{\bar{N}}(N-60) = (N-59) + 2991 + (N-60) = 2N + 2872$$

$$(N \ge 2991)$$

$$B_{\bar{N}}(2N+3571) = B_{\bar{N}}(2N+3571 - B_{\bar{N}}(2N+3570)) + B_{\bar{N}}(2N+3571 - B_{\bar{N}}(2N+3569)) + B_{\bar{N}}(2N+3571 - B_{\bar{N}}(2N+3568))$$

$$= B_{\bar{N}}(2N+3571 - (2N+2872)) + B_{\bar{N}}(2N+3571 - (N+3629)) + B_{\bar{N}}(2N+3571 - (2N+579))$$

$$= B_{\bar{N}}(699) + B_{\bar{N}}(N-58) + B_{\bar{N}}(2992) = 699 + (N-58) + 2992 = N + 3633$$

$$(N \ge 2992)$$

$$B_{\bar{N}}(2N+3572) = B_{\bar{N}}(2N+3572 - B_{\bar{N}}(2N+3571)) + B_{\bar{N}}(2N+3572 - B_{\bar{N}}(2N+3570)) + B_{\bar{N}}(2N+3572 - B_{\bar{N}}(2N+3569))$$

$$= B_{\bar{N}}(2N+3572 - (N+3633)) + B_{\bar{N}}(2N+3572 - (2N+2872)) + B_{\bar{N}}(2N+3572 - (N+3629))$$

$$= B_{\bar{N}}(N-61) + B_{\bar{N}}(700) + B_{\bar{N}}(N-57) = (N-61) + 700 + (N-57) = 2N + 582$$

$$(N > 700)$$

$$B_{\bar{N}}(2N+3573) = B_{\bar{N}}(2N+3573-B_{\bar{N}}(2N+3572)) + B_{\bar{N}}(2N+3573-B_{\bar{N}}(2N+3571)) + B_{\bar{N}}(2N+3573-B_{\bar{N}}(2N+3570))$$

$$= B_{\bar{N}}(2N+3573-(2N+582)) + B_{\bar{N}}(2N+3573-(N+3633)) + B_{\bar{N}}(2N+3573-(2N+2872))$$

$$= B_{\bar{N}}(2991) + B_{\bar{N}}(N-60) + B_{\bar{N}}(701) = 2991 + (N-60) + 701 = N + 3632$$

$$(N \ge 2991)$$

$$B_{\bar{N}}(2N+3574) = B_{\bar{N}}(2N+3574-B_{\bar{N}}(2N+3573)) + B_{\bar{N}}(2N+3574-B_{\bar{N}}(2N+3572)) + B_{\bar{N}}(2N+3574-B_{\bar{N}}(2N+3571))$$

$$= B_{\bar{N}}(2N+3574-(N+3632)) + B_{\bar{N}}(2N+3574-(2N+582)) + B_{\bar{N}}(2N+3574-(N+3633))$$

$$= B_{\bar{N}}(N-58) + B_{\bar{N}}(2992) + B_{\bar{N}}(N-59) = (N-58) + 2992 + (N-59) = 2N + 2875$$

$$(N \ge 2992)$$

$$B_{\bar{N}}(2N+3575) = B_{\bar{N}}(2N+3575-B_{\bar{N}}(2N+3574)) + B_{\bar{N}}(2N+3575-B_{\bar{N}}(2N+3573)) + B_{\bar{N}}(2N+3575-B_{\bar{N}}(2N+3572))$$

$$= B_{\bar{N}}(2N+3575-(2N+2875)) + B_{\bar{N}}(2N+3575-(N+3632)) + B_{\bar{N}}(2N+3575-(2N+582))$$

$$= B_{\bar{N}}(700) + B_{\bar{N}}(N-57) + B_{\bar{N}}(2993) = 700 + (N-57) + 2993 = N + 3636$$

$$(N \ge 2993)$$

$$B_{\bar{N}}(2N+3576) = B_{\bar{N}}(2N+3576 - B_{\bar{N}}(2N+3575)) + B_{\bar{N}}(2N+3576 - B_{\bar{N}}(2N+3574)) + B_{\bar{N}}(2N+3576 - B_{\bar{N}}(2N+3576))$$

$$= B_{\bar{N}}(2N+3576 - (N+3636)) + B_{\bar{N}}(2N+3576 - (2N+2875)) + B_{\bar{N}}(2N+3576 - (N+3632))$$

$$= B_{\bar{N}}(N-60) + B_{\bar{N}}(701) + B_{\bar{N}}(N-56) = (N-60) + 701 + (N-56) = 2N + 585$$

$$(N \ge 701)$$

$$B_{\bar{N}}(2N+3577) = B_{\bar{N}}(2N+3577 - B_{\bar{N}}(2N+3576)) + B_{\bar{N}}(2N+3577 - B_{\bar{N}}(2N+3575)) + B_{\bar{N}}(2N+3577 - B_{\bar{N}}(2N+3574))$$

$$= B_{\bar{N}}(2N+3577 - (2N+585)) + B_{\bar{N}}(2N+3577 - (N+3636)) + B_{\bar{N}}(2N+3577 - (2N+2875))$$

$$= B_{\bar{N}}(2992) + B_{\bar{N}}(N-59) + B_{\bar{N}}(702) = 2992 + (N-59) + 702 = N + 3635$$

$$(N > 2992)$$

$$B_{\bar{N}}(2N+3578) = B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3577)) + B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3576)) + B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2N+3578-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3579) = B_{\bar{N}}(2N+3579 - B_{\bar{N}}(2N+3578)) + B_{\bar{N}}(2N+3579 - B_{\bar{N}}(2N+3577)) + B_{\bar{N}}(2N+3579 - B_{\bar{N}}(2N+3579))$$

$$= B_{\bar{N}}(2N+3579 - (2N+2878)) + B_{\bar{N}}(2N+3579 - (N+3635)) + B_{\bar{N}}(2N+3579 - (2N+585))$$

$$= B_{\bar{N}}(701) + B_{\bar{N}}(N-56) + B_{\bar{N}}(2994) = 701 + (N-56) + 2994 = N + 3639$$

$$(N \ge 2994)$$

$$B_{\bar{N}}(2N+3580) = B_{\bar{N}}(2N+3580 - B_{\bar{N}}(2N+3579)) + B_{\bar{N}}(2N+3580 - B_{\bar{N}}(2N+3578)) + B_{\bar{N}}(2N+3580 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3581) = B_{\bar{N}}(2N+3581-B_{\bar{N}}(2N+3580)) + B_{\bar{N}}(2N+3581-B_{\bar{N}}(2N+3579)) + B_{\bar{N}}(2N+3581-B_{\bar{N}}(2N+3578))$$

$$= B_{\bar{N}}(2N+3581-(2N+588)) + B_{\bar{N}}(2N+3581-(N+3639)) + B_{\bar{N}}(2N+3581-(2N+2878))$$

$$= B_{\bar{N}}(2993) + B_{\bar{N}}(N-58) + B_{\bar{N}}(703) = 2993 + (N-58) + 703 = N + 3638$$

$$(N > 2993)$$

$$B_{\bar{N}}(2N+3582) = B_{\bar{N}}(2N+3582 - B_{\bar{N}}(2N+3581)) + B_{\bar{N}}(2N+3582 - B_{\bar{N}}(2N+3580)) + B_{\bar{N}}(2N+3582 - B_{\bar{N}}(2N+3579))$$

$$= B_{\bar{N}}(2N+3582 - (N+3638)) + B_{\bar{N}}(2N+3582 - (2N+588)) + B_{\bar{N}}(2N+3582 - (N+3639))$$

$$= B_{\bar{N}}(N-56) + B_{\bar{N}}(2994) + B_{\bar{N}}(N-57) = (N-56) + 2994 + (N-57) = 2N + 2881$$

$$(N \ge 2994)$$

$$B_{\bar{N}}(2N+3583) = B_{\bar{N}}(2N+3583-B_{\bar{N}}(2N+3582)) + B_{\bar{N}}(2N+3583-B_{\bar{N}}(2N+3581)) + B_{\bar{N}}(2N+3583-B_{\bar{N}}(2N+3583)) = B_{\bar{N}}(2N+3583-(2N+2881)) + B_{\bar{N}}(2N+3583-(N+3638)) + B_{\bar{N}}(2N+3583-(2N+588)) = B_{\bar{N}}(702) + B_{\bar{N}}(N-55) + B_{\bar{N}}(2995) = 702 + (N-55) + 2995 = N + 3642 (N \ge 2995)$$

$$B_{\bar{N}}(2N+3584) = B_{\bar{N}}(2N+3584-B_{\bar{N}}(2N+3583)) + B_{\bar{N}}(2N+3584-B_{\bar{N}}(2N+3582)) + B_{\bar{N}}(2N+3584-B_{\bar{N}}(2N+3581))$$

$$= B_{\bar{N}}(2N+3584-(N+3642)) + B_{\bar{N}}(2N+3584-(2N+2881)) + B_{\bar{N}}(2N+3584-(N+3638))$$

$$= B_{\bar{N}}(N-58) + B_{\bar{N}}(703) + B_{\bar{N}}(N-54) = (N-58) + 703 + (N-54) = 2N + 591$$

$$(N \ge 703)$$

$$B_{\bar{N}}(2N+3585) = B_{\bar{N}}(2N+3585 - B_{\bar{N}}(2N+3584)) + B_{\bar{N}}(2N+3585 - B_{\bar{N}}(2N+3583)) + B_{\bar{N}}(2N+3585 - B_{\bar{N}}(2N+3585))$$

$$= B_{\bar{N}}(2N+3585 - (2N+591)) + B_{\bar{N}}(2N+3585 - (N+3642)) + B_{\bar{N}}(2N+3585 - (2N+2881))$$

$$= B_{\bar{N}}(2994) + B_{\bar{N}}(N-57) + B_{\bar{N}}(704) = 2994 + (N-57) + 704 = N + 3641$$

$$(N > 2994)$$

$$B_{\bar{N}}(2N+3586) = B_{\bar{N}}(2N+3586-B_{\bar{N}}(2N+3585)) + B_{\bar{N}}(2N+3586-B_{\bar{N}}(2N+3584)) + B_{\bar{N}}(2N+3586-B_{\bar{N}}(2N+3586)) = B_{\bar{N}}(2N+3586-(N+3641)) + B_{\bar{N}}(2N+3586-(2N+591)) + B_{\bar{N}}(2N+3586-(N+3642)) = B_{\bar{N}}(N-55) + B_{\bar{N}}(2995) + B_{\bar{N}}(N-56) = (N-55) + 2995 + (N-56) = 2N + 2884 (N > 2995)$$

$$B_{\bar{N}}(2N+3587) = B_{\bar{N}}(2N+3587 - B_{\bar{N}}(2N+3586)) + B_{\bar{N}}(2N+3587 - B_{\bar{N}}(2N+3585)) + B_{\bar{N}}(2N+3587 - B_{\bar{N}}(2N+3584))$$

$$= B_{\bar{N}}(2N+3587 - (2N+2884)) + B_{\bar{N}}(2N+3587 - (N+3641)) + B_{\bar{N}}(2N+3587 - (2N+591))$$

$$= B_{\bar{N}}(703) + B_{\bar{N}}(N-54) + B_{\bar{N}}(2996) = 703 + (N-54) + 2996 = N + 3645$$

$$(N \ge 2996)$$

$$B_{\bar{N}}(2N+3588) = B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3587)) + B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3586)) + B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2N+3588-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3589) = B_{\bar{N}}(2N+3589 - B_{\bar{N}}(2N+3588)) + B_{\bar{N}}(2N+3589 - B_{\bar{N}}(2N+3587)) + B_{\bar{N}}(2N+3589 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3590) = B_{\bar{N}}(2N+3590 - B_{\bar{N}}(2N+3589)) + B_{\bar{N}}(2N+3590 - B_{\bar{N}}(2N+3588)) + B_{\bar{N}}(2N+3590 - B_{\bar{N}}(2N+3587))$$

$$= B_{\bar{N}}(2N+3590 - (N+3644)) + B_{\bar{N}}(2N+3590 - (2N+594)) + B_{\bar{N}}(2N+3590 - (N+3645))$$

$$= B_{\bar{N}}(N-54) + B_{\bar{N}}(2996) + B_{\bar{N}}(N-55) = (N-54) + 2996 + (N-55) = 2N + 2887$$

$$(N \ge 2996)$$

$$B_{\bar{N}}(2N+3591) = B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3590)) + B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591) + B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N+3591-B_{\bar{N}}(2N$$

$$B_{\bar{N}}(2N+3592) = B_{\bar{N}}(2N+3592 - B_{\bar{N}}(2N+3591)) + B_{\bar{N}}(2N+3592 - B_{\bar{N}}(2N+3590)) + B_{\bar{N}}(2N+3592 - B_{\bar{N}}(2N+3592))$$

$$= B_{\bar{N}}(2N+3592 - (N+3648)) + B_{\bar{N}}(2N+3592 - (2N+2887)) + B_{\bar{N}}(2N+3592 - (N+3644))$$

$$= B_{\bar{N}}(N-56) + B_{\bar{N}}(705) + B_{\bar{N}}(N-52) = (N-56) + 705 + (N-52) = 2N + 597$$

$$(N \ge 705)$$

$$B_{\bar{N}}(2N+3593) = B_{\bar{N}}(2N+3593-B_{\bar{N}}(2N+3592)) + B_{\bar{N}}(2N+3593-B_{\bar{N}}(2N+3591)) + B_{\bar{N}}(2N+3593-B_{\bar{N}}(2N+3590)) = B_{\bar{N}}(2N+3593-(2N+597)) + B_{\bar{N}}(2N+3593-(N+3648)) + B_{\bar{N}}(2N+3593-(2N+2887)) = B_{\bar{N}}(2996) + B_{\bar{N}}(N-55) + B_{\bar{N}}(706) = 2996 + (N-55) + 706 = N+3647 (N \ge 2996)$$

$$B_{\bar{N}}(2N+3594) = B_{\bar{N}}(2N+3594-B_{\bar{N}}(2N+3593)) + B_{\bar{N}}(2N+3594-B_{\bar{N}}(2N+3592)) + B_{\bar{N}}(2N+3594-B_{\bar{N}}(2N+3591))$$

$$= B_{\bar{N}}(2N+3594-(N+3647)) + B_{\bar{N}}(2N+3594-(2N+597)) + B_{\bar{N}}(2N+3594-(N+3648))$$

$$= B_{\bar{N}}(N-53) + B_{\bar{N}}(2997) + B_{\bar{N}}(N-54) = (N-53) + 2997 + (N-54) = 2N + 2890$$

$$(N \ge 2997)$$

$$B_{\bar{N}}(2N+3595) = B_{\bar{N}}(2N+3595-B_{\bar{N}}(2N+3594)) + B_{\bar{N}}(2N+3595-B_{\bar{N}}(2N+3593)) + B_{\bar{N}}(2N+3595-B_{\bar{N}}(2N+3595))$$

$$= B_{\bar{N}}(2N+3595-(2N+2890)) + B_{\bar{N}}(2N+3595-(N+3647)) + B_{\bar{N}}(2N+3595-(2N+597))$$

$$= B_{\bar{N}}(705) + B_{\bar{N}}(N-52) + B_{\bar{N}}(2998) = 705 + (N-52) + 2998 = N + 3651$$

$$(N \ge 2998)$$

$$B_{\bar{N}}(2N+3596) = B_{\bar{N}}(2N+3596-B_{\bar{N}}(2N+3595)) + B_{\bar{N}}(2N+3596-B_{\bar{N}}(2N+3594)) + B_{\bar{N}}(2N+3596-B_{\bar{N}}(2N+3593))$$

$$= B_{\bar{N}}(2N+3596-(N+3651)) + B_{\bar{N}}(2N+3596-(2N+2890)) + B_{\bar{N}}(2N+3596-(N+3647))$$

$$= B_{\bar{N}}(N-55) + B_{\bar{N}}(706) + B_{\bar{N}}(N-51) = (N-55) + 706 + (N-51) = 2N + 600$$

$$(N \ge 706)$$

$$B_{\bar{N}}(2N+3597) = B_{\bar{N}}(2N+3597-B_{\bar{N}}(2N+3596)) + B_{\bar{N}}(2N+3597-B_{\bar{N}}(2N+3595)) + B_{\bar{N}}(2N+3597-B_{\bar{N}}(2N+3594))$$

$$= B_{\bar{N}}(2N+3597-(2N+600)) + B_{\bar{N}}(2N+3597-(N+3651)) + B_{\bar{N}}(2N+3597-(2N+2890))$$

$$= B_{\bar{N}}(2997) + B_{\bar{N}}(N-54) + B_{\bar{N}}(707) = 2997 + (N-54) + 707 = N + 3650$$

$$(N \ge 2997)$$

$$B_{\bar{N}}(2N+3598) = B_{\bar{N}}(2N+3598-B_{\bar{N}}(2N+3597)) + B_{\bar{N}}(2N+3598-B_{\bar{N}}(2N+3596)) + B_{\bar{N}}(2N+3598-B_{\bar{N}}(2N+3595))$$

$$= B_{\bar{N}}(2N+3598-(N+3650)) + B_{\bar{N}}(2N+3598-(2N+600)) + B_{\bar{N}}(2N+3598-(N+3651))$$

$$= B_{\bar{N}}(N-52) + B_{\bar{N}}(2998) + B_{\bar{N}}(N-53) = (N-52) + 2998 + (N-53) = 2N + 2893$$

$$(N \ge 2998)$$

$$B_{\bar{N}}(2N+3599) = B_{\bar{N}}(2N+3599 - B_{\bar{N}}(2N+3598)) + B_{\bar{N}}(2N+3599 - B_{\bar{N}}(2N+3597)) + B_{\bar{N}}(2N+3599 - B_{\bar{N}}(2N+3596))$$

$$= B_{\bar{N}}(2N+3599 - (2N+2893)) + B_{\bar{N}}(2N+3599 - (N+3650)) + B_{\bar{N}}(2N+3599 - (2N+600))$$

$$= B_{\bar{N}}(706) + B_{\bar{N}}(N-51) + B_{\bar{N}}(2999) = 706 + (N-51) + 2999 = N + 3654$$

$$(N \ge 2999)$$

$$B_{\bar{N}}(2N+3600) = B_{\bar{N}}(2N+3600-B_{\bar{N}}(2N+3599)) + B_{\bar{N}}(2N+3600-B_{\bar{N}}(2N+3598)) + B_{\bar{N}}(2N+3600-B_{\bar{N}}(2N+3597))$$

$$= B_{\bar{N}}(2N+3600-(N+3654)) + B_{\bar{N}}(2N+3600-(2N+2893)) + B_{\bar{N}}(2N+3600-(N+3650))$$

$$= B_{\bar{N}}(N-54) + B_{\bar{N}}(707) + B_{\bar{N}}(N-50) = (N-54) + 707 + (N-50) = 2N + 603$$

$$(N \ge 707)$$

$$B_{\bar{N}}(2N+3601) = B_{\bar{N}}(2N+3601-B_{\bar{N}}(2N+3600)) + B_{\bar{N}}(2N+3601-B_{\bar{N}}(2N+3599)) + B_{\bar{N}}(2N+3601-B_{\bar{N}}(2N+3598))$$

$$= B_{\bar{N}}(2N+3601-(2N+603)) + B_{\bar{N}}(2N+3601-(N+3654)) + B_{\bar{N}}(2N+3601-(2N+2893))$$

$$= B_{\bar{N}}(2998) + B_{\bar{N}}(N-53) + B_{\bar{N}}(708) = 2998 + (N-53) + 708 = N+3653$$

$$(N > 2998)$$

$$B_{\bar{N}}(2N+3602) = B_{\bar{N}}(2N+3602 - B_{\bar{N}}(2N+3601)) + B_{\bar{N}}(2N+3602 - B_{\bar{N}}(2N+3600)) + B_{\bar{N}}(2N+3602 - B_{\bar{N}}(2N+3599))$$

$$= B_{\bar{N}}(2N+3602 - (N+3653)) + B_{\bar{N}}(2N+3602 - (2N+603)) + B_{\bar{N}}(2N+3602 - (N+3654))$$

$$= B_{\bar{N}}(N-51) + B_{\bar{N}}(2999) + B_{\bar{N}}(N-52) = (N-51) + 2999 + (N-52) = 2N + 2896$$

$$(N \ge 2999)$$

$$B_{\bar{N}}(2N+3603) = B_{\bar{N}}(2N+3603-B_{\bar{N}}(2N+3602)) + B_{\bar{N}}(2N+3603-B_{\bar{N}}(2N+3601)) + B_{\bar{N}}(2N+3603-B_{\bar{N}}(2N+3600)) = B_{\bar{N}}(2N+3603-(2N+2896)) + B_{\bar{N}}(2N+3603-(N+3653)) + B_{\bar{N}}(2N+3603-(2N+603)) = B_{\bar{N}}(707) + B_{\bar{N}}(N-50) + B_{\bar{N}}(3000) = 707 + (N-50) + 3000 = N + 3657 (N \ge 3000)$$

$$B_{\bar{N}}(2N+3604) = B_{\bar{N}}(2N+3604-B_{\bar{N}}(2N+3603)) + B_{\bar{N}}(2N+3604-B_{\bar{N}}(2N+3602)) + B_{\bar{N}}(2N+3604-B_{\bar{N}}(2N+3601))$$

$$= B_{\bar{N}}(2N+3604-(N+3657)) + B_{\bar{N}}(2N+3604-(2N+2896)) + B_{\bar{N}}(2N+3604-(N+3653))$$

$$= B_{\bar{N}}(N-53) + B_{\bar{N}}(708) + B_{\bar{N}}(N-49) = (N-53) + 708 + (N-49) = 2N + 606$$

$$(N \ge 708)$$

$$B_{\bar{N}}(2N+3605) = B_{\bar{N}}(2N+3605-B_{\bar{N}}(2N+3604)) + B_{\bar{N}}(2N+3605-B_{\bar{N}}(2N+3603)) + B_{\bar{N}}(2N+3605-B_{\bar{N}}(2N+3602))$$

$$= B_{\bar{N}}(2N+3605-(2N+606)) + B_{\bar{N}}(2N+3605-(N+3657)) + B_{\bar{N}}(2N+3605-(2N+2896))$$

$$= B_{\bar{N}}(2999) + B_{\bar{N}}(N-52) + B_{\bar{N}}(709) = 2999 + (N-52) + 709 = N + 3656$$

$$(N \ge 2999)$$

$$B_{\bar{N}}(2N+3606) = B_{\bar{N}}(2N+3606-B_{\bar{N}}(2N+3605)) + B_{\bar{N}}(2N+3606-B_{\bar{N}}(2N+3604)) + B_{\bar{N}}(2N+3606-B_{\bar{N}}(2N+3603))$$

$$= B_{\bar{N}}(2N+3606-(N+3656)) + B_{\bar{N}}(2N+3606-(2N+606)) + B_{\bar{N}}(2N+3606-(N+3657))$$

$$= B_{\bar{N}}(N-50) + B_{\bar{N}}(3000) + B_{\bar{N}}(N-51) = (N-50) + 3000 + (N-51) = 2N + 2899$$

$$(N \ge 3000)$$

$$B_{\bar{N}}(2N+3607) = B_{\bar{N}}(2N+3607 - B_{\bar{N}}(2N+3606)) + B_{\bar{N}}(2N+3607 - B_{\bar{N}}(2N+3605)) + B_{\bar{N}}(2N+3607 - B_{\bar{N}}(2N+3604))$$

$$= B_{\bar{N}}(2N+3607 - (2N+2899)) + B_{\bar{N}}(2N+3607 - (N+3656)) + B_{\bar{N}}(2N+3607 - (2N+606))$$

$$= B_{\bar{N}}(708) + B_{\bar{N}}(N-49) + B_{\bar{N}}(3001) = 708 + (N-49) + 3001 = N + 3660$$

$$(N \ge 3001)$$

$$B_{\bar{N}}(2N+3608) = B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3607)) + B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3606)) + B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2N+3608-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3609) = B_{\bar{N}}(2N+3609 - B_{\bar{N}}(2N+3608)) + B_{\bar{N}}(2N+3609 - B_{\bar{N}}(2N+3607)) + B_{\bar{N}}(2N+3609 - B_{\bar{N}}(2N+3609))$$

$$= B_{\bar{N}}(2N+3609 - (2N+609)) + B_{\bar{N}}(2N+3609 - (N+3660)) + B_{\bar{N}}(2N+3609 - (2N+2899))$$

$$= B_{\bar{N}}(3000) + B_{\bar{N}}(N-51) + B_{\bar{N}}(710) = 3000 + (N-51) + 710 = N + 3659$$

$$(N \ge 3000)$$

$$B_{\bar{N}}(2N+3610) = B_{\bar{N}}(2N+3610-B_{\bar{N}}(2N+3609)) + B_{\bar{N}}(2N+3610-B_{\bar{N}}(2N+3608)) + B_{\bar{N}}(2N+3610-B_{\bar{N}}(2N+3607))$$

$$= B_{\bar{N}}(2N+3610-(N+3659)) + B_{\bar{N}}(2N+3610-(2N+609)) + B_{\bar{N}}(2N+3610-(N+3660))$$

$$= B_{\bar{N}}(N-49) + B_{\bar{N}}(3001) + B_{\bar{N}}(N-50) = (N-49) + 3001 + (N-50) = 2N + 2902$$

$$(N \ge 3001)$$

$$B_{\bar{N}}(2N+3611) = B_{\bar{N}}(2N+3611-B_{\bar{N}}(2N+3610)) + B_{\bar{N}}(2N+3611-B_{\bar{N}}(2N+3609)) + B_{\bar{N}}(2N+3611-B_{\bar{N}}(2N+3608))$$

$$= B_{\bar{N}}(2N+3611-(2N+2902)) + B_{\bar{N}}(2N+3611-(N+3659)) + B_{\bar{N}}(2N+3611-(2N+609))$$

$$= B_{\bar{N}}(709) + B_{\bar{N}}(N-48) + B_{\bar{N}}(3002) = 709 + (N-48) + 3002 = N + 3663$$

$$(N \ge 3002)$$

$$B_{\bar{N}}(2N+3612) = B_{\bar{N}}(2N+3612-B_{\bar{N}}(2N+3611)) + B_{\bar{N}}(2N+3612-B_{\bar{N}}(2N+3610)) + B_{\bar{N}}(2N+3612-B_{\bar{N}}(2N+3609))$$

$$= B_{\bar{N}}(2N+3612-(N+3663)) + B_{\bar{N}}(2N+3612-(2N+2902)) + B_{\bar{N}}(2N+3612-(N+3659))$$

$$= B_{\bar{N}}(N-51) + B_{\bar{N}}(710) + B_{\bar{N}}(N-47) = (N-51) + 710 + (N-47) = 2N + 612$$

$$(N \ge 710)$$

$$B_{\bar{N}}(2N+3613) = B_{\bar{N}}(2N+3613-B_{\bar{N}}(2N+3612)) + B_{\bar{N}}(2N+3613-B_{\bar{N}}(2N+3611)) + B_{\bar{N}}(2N+3613-B_{\bar{N}}(2N+3610))$$

$$= B_{\bar{N}}(2N+3613-(2N+612)) + B_{\bar{N}}(2N+3613-(N+3663)) + B_{\bar{N}}(2N+3613-(2N+2902))$$

$$= B_{\bar{N}}(3001) + B_{\bar{N}}(N-50) + B_{\bar{N}}(711) = 3001 + (N-50) + 711 = N + 3662$$

$$(N \ge 3001)$$

$$B_{\bar{N}}(2N+3614) = B_{\bar{N}}(2N+3614-B_{\bar{N}}(2N+3613)) + B_{\bar{N}}(2N+3614-B_{\bar{N}}(2N+3612)) + B_{\bar{N}}(2N+3614-B_{\bar{N}}(2N+3611))$$

$$= B_{\bar{N}}(2N+3614-(N+3662)) + B_{\bar{N}}(2N+3614-(2N+612)) + B_{\bar{N}}(2N+3614-(N+3663))$$

$$= B_{\bar{N}}(N-48) + B_{\bar{N}}(3002) + B_{\bar{N}}(N-49) = (N-48) + 3002 + (N-49) = 2N + 2905$$

$$(N \ge 3002)$$

$$B_{\bar{N}}(2N+3615) = B_{\bar{N}}(2N+3615-B_{\bar{N}}(2N+3614)) + B_{\bar{N}}(2N+3615-B_{\bar{N}}(2N+3613)) + B_{\bar{N}}(2N+3615-B_{\bar{N}}(2N+3612))$$

$$= B_{\bar{N}}(2N+3615-(2N+2905)) + B_{\bar{N}}(2N+3615-(N+3662)) + B_{\bar{N}}(2N+3615-(2N+612))$$

$$= B_{\bar{N}}(710) + B_{\bar{N}}(N-47) + B_{\bar{N}}(3003) = 710 + (N-47) + 3003 = N + 3666$$

$$(N \ge 3003)$$

$$B_{\bar{N}}(2N+3616) = B_{\bar{N}}(2N+3616-B_{\bar{N}}(2N+3615)) + B_{\bar{N}}(2N+3616-B_{\bar{N}}(2N+3614)) + B_{\bar{N}}(2N+3616-B_{\bar{N}}(2N+3613))$$

$$= B_{\bar{N}}(2N+3616-(N+3666)) + B_{\bar{N}}(2N+3616-(2N+2905)) + B_{\bar{N}}(2N+3616-(N+3662))$$

$$= B_{\bar{N}}(N-50) + B_{\bar{N}}(711) + B_{\bar{N}}(N-46) = (N-50) + 711 + (N-46) = 2N+615$$

$$(N > 711)$$

$$B_{\bar{N}}(2N+3617) = B_{\bar{N}}(2N+3617 - B_{\bar{N}}(2N+3616)) + B_{\bar{N}}(2N+3617 - B_{\bar{N}}(2N+3615)) + B_{\bar{N}}(2N+3617 - B_{\bar{N}}(2N+3614))$$

$$= B_{\bar{N}}(2N+3617 - (2N+615)) + B_{\bar{N}}(2N+3617 - (N+3666)) + B_{\bar{N}}(2N+3617 - (2N+2905))$$

$$= B_{\bar{N}}(3002) + B_{\bar{N}}(N-49) + B_{\bar{N}}(712) = 3002 + (N-49) + 712 = N + 3665$$

$$(N \ge 3002)$$

$$B_{\bar{N}}(2N+3618) = B_{\bar{N}}(2N+3618-B_{\bar{N}}(2N+3617)) + B_{\bar{N}}(2N+3618-B_{\bar{N}}(2N+3616)) + B_{\bar{N}}(2N+3618-B_{\bar{N}}(2N+3615))$$

$$= B_{\bar{N}}(2N+3618-(N+3665)) + B_{\bar{N}}(2N+3618-(2N+615)) + B_{\bar{N}}(2N+3618-(N+3666))$$

$$= B_{\bar{N}}(N-47) + B_{\bar{N}}(3003) + B_{\bar{N}}(N-48) = (N-47) + 3003 + (N-48) = 2N + 2908$$

$$(N \ge 3003)$$

$$B_{\bar{N}}(2N+3619) = B_{\bar{N}}(2N+3619 - B_{\bar{N}}(2N+3618)) + B_{\bar{N}}(2N+3619 - B_{\bar{N}}(2N+3617)) + B_{\bar{N}}(2N+3619 - B_{\bar{N}}(2N+3616))$$

$$= B_{\bar{N}}(2N+3619 - (2N+2908)) + B_{\bar{N}}(2N+3619 - (N+3665)) + B_{\bar{N}}(2N+3619 - (2N+615))$$

$$= B_{\bar{N}}(711) + B_{\bar{N}}(N-46) + B_{\bar{N}}(3004) = 711 + (N-46) + 3004 = N + 3669$$

$$(N \ge 3004)$$

$$B_{\bar{N}}(2N+3620) = B_{\bar{N}}(2N+3620-B_{\bar{N}}(2N+3619)) + B_{\bar{N}}(2N+3620-B_{\bar{N}}(2N+3618)) + B_{\bar{N}}(2N+3620-B_{\bar{N}}(2N+3617))$$

$$= B_{\bar{N}}(2N+3620-(N+3669)) + B_{\bar{N}}(2N+3620-(2N+2908)) + B_{\bar{N}}(2N+3620-(N+3665))$$

$$= B_{\bar{N}}(N-49) + B_{\bar{N}}(712) + B_{\bar{N}}(N-45) = (N-49) + 712 + (N-45) = 2N + 618$$

$$(N \ge 712)$$

$$B_{\bar{N}}(2N+3621) = B_{\bar{N}}(2N+3621-B_{\bar{N}}(2N+3620)) + B_{\bar{N}}(2N+3621-B_{\bar{N}}(2N+3619)) + B_{\bar{N}}(2N+3621-B_{\bar{N}}(2N+3618))$$

$$= B_{\bar{N}}(2N+3621-(2N+618)) + B_{\bar{N}}(2N+3621-(N+3669)) + B_{\bar{N}}(2N+3621-(2N+2908))$$

$$= B_{\bar{N}}(3003) + B_{\bar{N}}(N-48) + B_{\bar{N}}(713) = 3003 + (N-48) + 713 = N + 3668$$

$$(N > 3003)$$

$$B_{\bar{N}}(2N+3622) = B_{\bar{N}}(2N+3622-B_{\bar{N}}(2N+3621)) + B_{\bar{N}}(2N+3622-B_{\bar{N}}(2N+3620)) + B_{\bar{N}}(2N+3622-B_{\bar{N}}(2N+3619))$$

$$= B_{\bar{N}}(2N+3622-(N+3668)) + B_{\bar{N}}(2N+3622-(2N+618)) + B_{\bar{N}}(2N+3622-(N+3669))$$

$$= B_{\bar{N}}(N-46) + B_{\bar{N}}(3004) + B_{\bar{N}}(N-47) = (N-46) + 3004 + (N-47) = 2N + 2911$$

$$(N \ge 3004)$$

$$B_{\bar{N}}(2N+3623) = B_{\bar{N}}(2N+3623-B_{\bar{N}}(2N+3622)) + B_{\bar{N}}(2N+3623-B_{\bar{N}}(2N+3621)) + B_{\bar{N}}(2N+3623-B_{\bar{N}}(2N+3620))$$

$$= B_{\bar{N}}(2N+3623-(2N+2911)) + B_{\bar{N}}(2N+3623-(N+3668)) + B_{\bar{N}}(2N+3623-(2N+618))$$

$$= B_{\bar{N}}(712) + B_{\bar{N}}(N-45) + B_{\bar{N}}(3005) = 712 + (N-45) + 3005 = N + 3672$$

$$(N \ge 3005)$$

$$\begin{split} B_{\bar{N}}(2N+3624) &= B_{\bar{N}}(2N+3624-B_{\bar{N}}(2N+3623)) + B_{\bar{N}}(2N+3624-B_{\bar{N}}(2N+3622)) + B_{\bar{N}}(2N+3624-B_{\bar{N}}(2N+3621)) \\ &= B_{\bar{N}}(2N+3624-(N+3672)) + B_{\bar{N}}(2N+3624-(2N+2911)) + B_{\bar{N}}(2N+3624-(N+3668)) \\ &= B_{\bar{N}}(N-48) + B_{\bar{N}}(713) + B_{\bar{N}}(N-44) = (N-48) + 713 + (N-44) = 2N+621 \\ &(N \geq 713) \end{split}$$

$$B_{\bar{N}}(2N+3625) = B_{\bar{N}}(2N+3625-B_{\bar{N}}(2N+3624)) + B_{\bar{N}}(2N+3625-B_{\bar{N}}(2N+3623)) + B_{\bar{N}}(2N+3625-B_{\bar{N}}(2N+3625))$$

$$= B_{\bar{N}}(2N+3625-(2N+621)) + B_{\bar{N}}(2N+3625-(N+3672)) + B_{\bar{N}}(2N+3625-(2N+2911))$$

$$= B_{\bar{N}}(3004) + B_{\bar{N}}(N-47) + B_{\bar{N}}(714) = 3004 + (N-47) + 714 = N + 3671$$

$$(N \ge 3004)$$

$$B_{\bar{N}}(2N+3626) = B_{\bar{N}}(2N+3626-B_{\bar{N}}(2N+3625)) + B_{\bar{N}}(2N+3626-B_{\bar{N}}(2N+3624)) + B_{\bar{N}}(2N+3626-B_{\bar{N}}(2N+3623)) = B_{\bar{N}}(2N+3626-(N+3671)) + B_{\bar{N}}(2N+3626-(2N+621)) + B_{\bar{N}}(2N+3626-(N+3672)) = B_{\bar{N}}(N-45) + B_{\bar{N}}(3005) + B_{\bar{N}}(N-46) = (N-45) + 3005 + (N-46) = 2N + 2914 (N > 3005)$$

$$B_{\bar{N}}(2N+3627) = B_{\bar{N}}(2N+3627 - B_{\bar{N}}(2N+3626)) + B_{\bar{N}}(2N+3627 - B_{\bar{N}}(2N+3625)) + B_{\bar{N}}(2N+3627 - B_{\bar{N}}(2N+3624))$$

$$= B_{\bar{N}}(2N+3627 - (2N+2914)) + B_{\bar{N}}(2N+3627 - (N+3671)) + B_{\bar{N}}(2N+3627 - (2N+621))$$

$$= B_{\bar{N}}(713) + B_{\bar{N}}(N-44) + B_{\bar{N}}(3006) = 713 + (N-44) + 3006 = N + 3675$$

$$(N > 3006)$$

$$B_{\bar{N}}(2N+3628) = B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3627)) + B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3626)) + B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2N+3628-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3629) = B_{\bar{N}}(2N+3629 - B_{\bar{N}}(2N+3628)) + B_{\bar{N}}(2N+3629 - B_{\bar{N}}(2N+3627)) + B_{\bar{N}}(2N+3629 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3630) = B_{\bar{N}}(2N+3630 - B_{\bar{N}}(2N+3629)) + B_{\bar{N}}(2N+3630 - B_{\bar{N}}(2N+3628)) + B_{\bar{N}}(2N+3630 - B_{\bar{N}}(2N+3627))$$

$$= B_{\bar{N}}(2N+3630 - (N+3674)) + B_{\bar{N}}(2N+3630 - (2N+624)) + B_{\bar{N}}(2N+3630 - (N+3675))$$

$$= B_{\bar{N}}(N-44) + B_{\bar{N}}(3006) + B_{\bar{N}}(N-45) = (N-44) + 3006 + (N-45) = 2N + 2917$$

$$(N \ge 3006)$$

$$B_{\bar{N}}(2N+3631) = B_{\bar{N}}(2N+3631-B_{\bar{N}}(2N+3630)) + B_{\bar{N}}(2N+3631-B_{\bar{N}}(2N+3629)) + B_{\bar{N}}(2N+3631-B_{\bar{N}}(2N+3628))$$

$$= B_{\bar{N}}(2N+3631-(2N+2917)) + B_{\bar{N}}(2N+3631-(N+3674)) + B_{\bar{N}}(2N+3631-(2N+624))$$

$$= B_{\bar{N}}(714) + B_{\bar{N}}(N-43) + B_{\bar{N}}(3007) = 714 + (N-43) + 3007 = N + 3678$$

$$(N \ge 3007)$$

$$B_{\bar{N}}(2N+3632) = B_{\bar{N}}(2N+3632-B_{\bar{N}}(2N+3631)) + B_{\bar{N}}(2N+3632-B_{\bar{N}}(2N+3630)) + B_{\bar{N}}(2N+3632-B_{\bar{N}}(2N+3629))$$

$$= B_{\bar{N}}(2N+3632-(N+3678)) + B_{\bar{N}}(2N+3632-(2N+2917)) + B_{\bar{N}}(2N+3632-(N+3674))$$

$$= B_{\bar{N}}(N-46) + B_{\bar{N}}(715) + B_{\bar{N}}(N-42) = (N-46) + 715 + (N-42) = 2N + 627$$

$$(N \ge 715)$$

$$B_{\bar{N}}(2N+3633) = B_{\bar{N}}(2N+3633-B_{\bar{N}}(2N+3632)) + B_{\bar{N}}(2N+3633-B_{\bar{N}}(2N+3631)) + B_{\bar{N}}(2N+3633-B_{\bar{N}}(2N+3630))$$

$$= B_{\bar{N}}(2N+3633-(2N+627)) + B_{\bar{N}}(2N+3633-(N+3678)) + B_{\bar{N}}(2N+3633-(2N+2917))$$

$$= B_{\bar{N}}(3006) + B_{\bar{N}}(N-45) + B_{\bar{N}}(716) = 3006 + (N-45) + 716 = N + 3677$$

$$(N \ge 3006)$$

$$B_{\bar{N}}(2N+3634) = B_{\bar{N}}(2N+3634-B_{\bar{N}}(2N+3633)) + B_{\bar{N}}(2N+3634-B_{\bar{N}}(2N+3632)) + B_{\bar{N}}(2N+3634-B_{\bar{N}}(2N+3631))$$

$$= B_{\bar{N}}(2N+3634-(N+3677)) + B_{\bar{N}}(2N+3634-(2N+627)) + B_{\bar{N}}(2N+3634-(N+3678))$$

$$= B_{\bar{N}}(N-43) + B_{\bar{N}}(3007) + B_{\bar{N}}(N-44) = (N-43) + 3007 + (N-44) = 2N + 2920$$

$$(N \ge 3007)$$

$$B_{\bar{N}}(2N+3635) = B_{\bar{N}}(2N+3635-B_{\bar{N}}(2N+3634)) + B_{\bar{N}}(2N+3635-B_{\bar{N}}(2N+3633)) + B_{\bar{N}}(2N+3635-B_{\bar{N}}(2N+3632))$$

$$= B_{\bar{N}}(2N+3635-(2N+2920)) + B_{\bar{N}}(2N+3635-(N+3677)) + B_{\bar{N}}(2N+3635-(2N+627))$$

$$= B_{\bar{N}}(715) + B_{\bar{N}}(N-42) + B_{\bar{N}}(3008) = 715 + (N-42) + 3008 = N + 3681$$

$$(N \ge 3008)$$

$$B_{\bar{N}}(2N+3636) = B_{\bar{N}}(2N+3636-B_{\bar{N}}(2N+3635)) + B_{\bar{N}}(2N+3636-B_{\bar{N}}(2N+3634)) + B_{\bar{N}}(2N+3636-B_{\bar{N}}(2N+3633))$$

$$= B_{\bar{N}}(2N+3636-(N+3681)) + B_{\bar{N}}(2N+3636-(2N+2920)) + B_{\bar{N}}(2N+3636-(N+3677))$$

$$= B_{\bar{N}}(N-45) + B_{\bar{N}}(716) + B_{\bar{N}}(N-41) = (N-45) + 716 + (N-41) = 2N + 630$$

$$(N \ge 716)$$

$$B_{\bar{N}}(2N+3637) = B_{\bar{N}}(2N+3637 - B_{\bar{N}}(2N+3636)) + B_{\bar{N}}(2N+3637 - B_{\bar{N}}(2N+3635)) + B_{\bar{N}}(2N+3637 - B_{\bar{N}}(2N+3634))$$

$$= B_{\bar{N}}(2N+3637 - (2N+630)) + B_{\bar{N}}(2N+3637 - (N+3681)) + B_{\bar{N}}(2N+3637 - (2N+2920))$$

$$= B_{\bar{N}}(3007) + B_{\bar{N}}(N-44) + B_{\bar{N}}(717) = 3007 + (N-44) + 717 = N + 3680$$

$$(N \ge 3007)$$

$$B_{\bar{N}}(2N+3638) = B_{\bar{N}}(2N+3638-B_{\bar{N}}(2N+3637)) + B_{\bar{N}}(2N+3638-B_{\bar{N}}(2N+3636)) + B_{\bar{N}}(2N+3638-B_{\bar{N}}(2N+3638))$$

$$= B_{\bar{N}}(2N+3638-(N+3680)) + B_{\bar{N}}(2N+3638-(2N+630)) + B_{\bar{N}}(2N+3638-(N+3681))$$

$$= B_{\bar{N}}(N-42) + B_{\bar{N}}(3008) + B_{\bar{N}}(N-43) = (N-42) + 3008 + (N-43) = 2N + 2923$$

$$(N \ge 3008)$$

$$B_{\bar{N}}(2N+3639) = B_{\bar{N}}(2N+3639 - B_{\bar{N}}(2N+3638)) + B_{\bar{N}}(2N+3639 - B_{\bar{N}}(2N+3637)) + B_{\bar{N}}(2N+3639 - B_{\bar{N}}(2N+3639))$$

$$= B_{\bar{N}}(2N+3639 - (2N+2923)) + B_{\bar{N}}(2N+3639 - (N+3680)) + B_{\bar{N}}(2N+3639 - (2N+630))$$

$$= B_{\bar{N}}(716) + B_{\bar{N}}(N-41) + B_{\bar{N}}(3009) = 716 + (N-41) + 3009 = N + 3684$$

$$(N \ge 3009)$$

$$B_{\bar{N}}(2N+3640) = B_{\bar{N}}(2N+3640-B_{\bar{N}}(2N+3639)) + B_{\bar{N}}(2N+3640-B_{\bar{N}}(2N+3638)) + B_{\bar{N}}(2N+3640-B_{\bar{N}}(2N+3637))$$

$$= B_{\bar{N}}(2N+3640-(N+3684)) + B_{\bar{N}}(2N+3640-(2N+2923)) + B_{\bar{N}}(2N+3640-(N+3680))$$

$$= B_{\bar{N}}(N-44) + B_{\bar{N}}(717) + B_{\bar{N}}(N-40) = (N-44) + 717 + (N-40) = 2N + 633$$

$$(N \ge 717)$$

$$B_{\bar{N}}(2N+3641) = B_{\bar{N}}(2N+3641 - B_{\bar{N}}(2N+3640)) + B_{\bar{N}}(2N+3641 - B_{\bar{N}}(2N+3639)) + B_{\bar{N}}(2N+3641 - B_{\bar{N}}(2N+3638))$$

$$= B_{\bar{N}}(2N+3641 - (2N+633)) + B_{\bar{N}}(2N+3641 - (N+3684)) + B_{\bar{N}}(2N+3641 - (2N+2923))$$

$$= B_{\bar{N}}(3008) + B_{\bar{N}}(N-43) + B_{\bar{N}}(718) = 3008 + (N-43) + 718 = N + 3683$$

$$(N \ge 3008)$$

$$B_{\bar{N}}(2N+3642) = B_{\bar{N}}(2N+3642-B_{\bar{N}}(2N+3641)) + B_{\bar{N}}(2N+3642-B_{\bar{N}}(2N+3640)) + B_{\bar{N}}(2N+3642-B_{\bar{N}}(2N+3639))$$

$$= B_{\bar{N}}(2N+3642-(N+3683)) + B_{\bar{N}}(2N+3642-(2N+633)) + B_{\bar{N}}(2N+3642-(N+3684))$$

$$= B_{\bar{N}}(N-41) + B_{\bar{N}}(3009) + B_{\bar{N}}(N-42) = (N-41) + 3009 + (N-42) = 2N + 2926$$

$$(N \ge 3009)$$

$$B_{\bar{N}}(2N+3643) = B_{\bar{N}}(2N+3643-B_{\bar{N}}(2N+3642)) + B_{\bar{N}}(2N+3643-B_{\bar{N}}(2N+3641)) + B_{\bar{N}}(2N+3643-B_{\bar{N}}(2N+3640))$$

$$= B_{\bar{N}}(2N+3643-(2N+2926)) + B_{\bar{N}}(2N+3643-(N+3683)) + B_{\bar{N}}(2N+3643-(2N+633))$$

$$= B_{\bar{N}}(717) + B_{\bar{N}}(N-40) + B_{\bar{N}}(3010) = 717 + (N-40) + 3010 = N + 3687$$

$$(N \ge 3010)$$

$$B_{\bar{N}}(2N+3644) = B_{\bar{N}}(2N+3644-B_{\bar{N}}(2N+3643)) + B_{\bar{N}}(2N+3644-B_{\bar{N}}(2N+3642)) + B_{\bar{N}}(2N+3644-B_{\bar{N}}(2N+3641))$$

$$= B_{\bar{N}}(2N+3644-(N+3687)) + B_{\bar{N}}(2N+3644-(2N+2926)) + B_{\bar{N}}(2N+3644-(N+3683))$$

$$= B_{\bar{N}}(N-43) + B_{\bar{N}}(718) + B_{\bar{N}}(N-39) = (N-43) + 718 + (N-39) = 2N + 636$$

$$(N \ge 718)$$

$$B_{\bar{N}}(2N+3645) = B_{\bar{N}}(2N+3645-B_{\bar{N}}(2N+3644)) + B_{\bar{N}}(2N+3645-B_{\bar{N}}(2N+3643)) + B_{\bar{N}}(2N+3645-B_{\bar{N}}(2N+3645))$$

$$= B_{\bar{N}}(2N+3645-(2N+636)) + B_{\bar{N}}(2N+3645-(N+3687)) + B_{\bar{N}}(2N+3645-(2N+2926))$$

$$= B_{\bar{N}}(3009) + B_{\bar{N}}(N-42) + B_{\bar{N}}(719) = 3009 + (N-42) + 719 = N + 3686$$

$$(N \ge 3009)$$

$$B_{\bar{N}}(2N+3646) = B_{\bar{N}}(2N+3646-B_{\bar{N}}(2N+3645)) + B_{\bar{N}}(2N+3646-B_{\bar{N}}(2N+3644)) + B_{\bar{N}}(2N+3646-B_{\bar{N}}(2N+3645))$$

$$= B_{\bar{N}}(2N+3646-(N+3686)) + B_{\bar{N}}(2N+3646-(2N+636)) + B_{\bar{N}}(2N+3646-(N+3687))$$

$$= B_{\bar{N}}(N-40) + B_{\bar{N}}(3010) + B_{\bar{N}}(N-41) = (N-40) + 3010 + (N-41) = 2N + 2929$$

$$(N > 3010)$$

$$B_{\bar{N}}(2N+3647) = B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3646)) + B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3645)) + B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3647 - B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3647) + B_{\bar$$

$$B_{\bar{N}}(2N+3648) = B_{\bar{N}}(2N+3648-B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3648-B_{\bar{N}}(2N+3646)) + B_{\bar{N}}(2N+3648-B_{\bar{N}}(2N+3645))$$

$$= B_{\bar{N}}(2N+3648-(N+3690)) + B_{\bar{N}}(2N+3648-(2N+2929)) + B_{\bar{N}}(2N+3648-(N+3686))$$

$$= B_{\bar{N}}(N-42) + B_{\bar{N}}(719) + B_{\bar{N}}(N-38) = (N-42) + 719 + (N-38) = 2N + 639$$

$$(N \ge 719)$$

$$B_{\bar{N}}(2N+3649) = B_{\bar{N}}(2N+3649 - B_{\bar{N}}(2N+3648)) + B_{\bar{N}}(2N+3649 - B_{\bar{N}}(2N+3647)) + B_{\bar{N}}(2N+3649 - B_{\bar{N}}(2N+3649))$$

$$= B_{\bar{N}}(2N+3649 - (2N+639)) + B_{\bar{N}}(2N+3649 - (N+3690)) + B_{\bar{N}}(2N+3649 - (2N+2929))$$

$$= B_{\bar{N}}(3010) + B_{\bar{N}}(N-41) + B_{\bar{N}}(720) = 3010 + (N-41) + 720 = N + 3689$$

$$(N \ge 3010)$$

$$B_{\bar{N}}(2N+3650) = B_{\bar{N}}(2N+3650 - B_{\bar{N}}(2N+3649)) + B_{\bar{N}}(2N+3650 - B_{\bar{N}}(2N+3648)) + B_{\bar{N}}(2N+3650 - B_{\bar{N}}(2N+3647))$$

$$= B_{\bar{N}}(2N+3650 - (N+3689)) + B_{\bar{N}}(2N+3650 - (2N+639)) + B_{\bar{N}}(2N+3650 - (N+3690))$$

$$= B_{\bar{N}}(N-39) + B_{\bar{N}}(3011) + B_{\bar{N}}(N-40) = (N-39) + 3011 + (N-40) = 2N + 2932$$

$$(N \ge 3011)$$

$$B_{\bar{N}}(2N+3651) = B_{\bar{N}}(2N+3651-B_{\bar{N}}(2N+3650)) + B_{\bar{N}}(2N+3651-B_{\bar{N}}(2N+3649)) + B_{\bar{N}}(2N+3651-B_{\bar{N}}(2N+3648))$$

$$= B_{\bar{N}}(2N+3651-(2N+2932)) + B_{\bar{N}}(2N+3651-(N+3689)) + B_{\bar{N}}(2N+3651-(2N+639))$$

$$= B_{\bar{N}}(719) + B_{\bar{N}}(N-38) + B_{\bar{N}}(3012) = 719 + (N-38) + 3012 = N + 3693$$

$$(N \ge 3012)$$

$$B_{\bar{N}}(2N+3652) = B_{\bar{N}}(2N+3652-B_{\bar{N}}(2N+3651)) + B_{\bar{N}}(2N+3652-B_{\bar{N}}(2N+3650)) + B_{\bar{N}}(2N+3652-B_{\bar{N}}(2N+3649))$$

$$= B_{\bar{N}}(2N+3652-(N+3693)) + B_{\bar{N}}(2N+3652-(2N+2932)) + B_{\bar{N}}(2N+3652-(N+3689))$$

$$= B_{\bar{N}}(N-41) + B_{\bar{N}}(720) + B_{\bar{N}}(N-37) = (N-41) + 720 + (N-37) = 2N + 642$$

$$(N \ge 720)$$

$$\begin{split} B_{\bar{N}}(2N+3653) &= B_{\bar{N}}(2N+3653-B_{\bar{N}}(2N+3652)) + B_{\bar{N}}(2N+3653-B_{\bar{N}}(2N+3651)) + B_{\bar{N}}(2N+3653-B_{\bar{N}}(2N+3650)) \\ &= B_{\bar{N}}(2N+3653-(2N+642)) + B_{\bar{N}}(2N+3653-(N+3693)) + B_{\bar{N}}(2N+3653-(2N+2932)) \\ &= B_{\bar{N}}(3011) + B_{\bar{N}}(N-40) + B_{\bar{N}}(721) = 3011 + (N-40) + 721 = N + 3692 \\ &(N \geq 3011) \end{split}$$

$$B_{\bar{N}}(2N+3654) = B_{\bar{N}}(2N+3654-B_{\bar{N}}(2N+3653)) + B_{\bar{N}}(2N+3654-B_{\bar{N}}(2N+3652)) + B_{\bar{N}}(2N+3654-B_{\bar{N}}(2N+3651))$$

$$= B_{\bar{N}}(2N+3654-(N+3692)) + B_{\bar{N}}(2N+3654-(2N+642)) + B_{\bar{N}}(2N+3654-(N+3693))$$

$$= B_{\bar{N}}(N-38) + B_{\bar{N}}(3012) + B_{\bar{N}}(N-39) = (N-38) + 3012 + (N-39) = 2N + 2935$$

$$(N \ge 3012)$$

$$B_{\bar{N}}(2N+3655) = B_{\bar{N}}(2N+3655-B_{\bar{N}}(2N+3654)) + B_{\bar{N}}(2N+3655-B_{\bar{N}}(2N+3653)) + B_{\bar{N}}(2N+3655-B_{\bar{N}}(2N+3652))$$

$$= B_{\bar{N}}(2N+3655-(2N+2935)) + B_{\bar{N}}(2N+3655-(N+3692)) + B_{\bar{N}}(2N+3655-(2N+642))$$

$$= B_{\bar{N}}(720) + B_{\bar{N}}(N-37) + B_{\bar{N}}(3013) = 720 + (N-37) + 3013 = N + 3696$$

$$(N \ge 3013)$$

$$B_{\bar{N}}(2N+3656) = B_{\bar{N}}(2N+3656-B_{\bar{N}}(2N+3655)) + B_{\bar{N}}(2N+3656-B_{\bar{N}}(2N+3654)) + B_{\bar{N}}(2N+3656-B_{\bar{N}}(2N+3653))$$

$$= B_{\bar{N}}(2N+3656-(N+3696)) + B_{\bar{N}}(2N+3656-(2N+2935)) + B_{\bar{N}}(2N+3656-(N+3692))$$

$$= B_{\bar{N}}(N-40) + B_{\bar{N}}(721) + B_{\bar{N}}(N-36) = (N-40) + 721 + (N-36) = 2N + 645$$

$$(N \ge 721)$$

$$B_{\bar{N}}(2N+3657) = B_{\bar{N}}(2N+3657 - B_{\bar{N}}(2N+3656)) + B_{\bar{N}}(2N+3657 - B_{\bar{N}}(2N+3657)) + B_{\bar{N}}(2N+3657) + B_{\bar$$

$$B_{\bar{N}}(2N+3658) = B_{\bar{N}}(2N+3658-B_{\bar{N}}(2N+3657)) + B_{\bar{N}}(2N+3658-B_{\bar{N}}(2N+3656)) + B_{\bar{N}}(2N+3658-B_{\bar{N}}(2N+3655))$$

$$= B_{\bar{N}}(2N+3658-(N+3695)) + B_{\bar{N}}(2N+3658-(2N+645)) + B_{\bar{N}}(2N+3658-(N+3696))$$

$$= B_{\bar{N}}(N-37) + B_{\bar{N}}(3013) + B_{\bar{N}}(N-38) = (N-37) + 3013 + (N-38) = 2N + 2938$$

$$(N \ge 3013)$$

$$\begin{split} B_{\bar{N}}(2N+3659) &= B_{\bar{N}}(2N+3659 - B_{\bar{N}}(2N+3658)) + B_{\bar{N}}(2N+3659 - B_{\bar{N}}(2N+3657)) + B_{\bar{N}}(2N+3659 - B_{\bar{N}}(2N+3659)) \\ &= B_{\bar{N}}(2N+3659 - (2N+2938)) + B_{\bar{N}}(2N+3659 - (N+3695)) + B_{\bar{N}}(2N+3659 - (2N+645)) \\ &= B_{\bar{N}}(721) + B_{\bar{N}}(N-36) + B_{\bar{N}}(3014) = 721 + (N-36) + 3014 = N + 3699 \\ &(N \ge 3014) \end{split}$$

$$B_{\bar{N}}(2N+3660) = B_{\bar{N}}(2N+3660-B_{\bar{N}}(2N+3659)) + B_{\bar{N}}(2N+3660-B_{\bar{N}}(2N+3658)) + B_{\bar{N}}(2N+3660-B_{\bar{N}}(2N+3657))$$

$$= B_{\bar{N}}(2N+3660-(N+3699)) + B_{\bar{N}}(2N+3660-(2N+2938)) + B_{\bar{N}}(2N+3660-(N+3695))$$

$$= B_{\bar{N}}(N-39) + B_{\bar{N}}(722) + B_{\bar{N}}(N-35) = (N-39) + 722 + (N-35) = 2N + 648$$

$$(N \ge 722)$$

$$B_{\bar{N}}(2N+3661) = B_{\bar{N}}(2N+3661-B_{\bar{N}}(2N+3660)) + B_{\bar{N}}(2N+3661-B_{\bar{N}}(2N+3659)) + B_{\bar{N}}(2N+3661-B_{\bar{N}}(2N+3658))$$

$$= B_{\bar{N}}(2N+3661-(2N+648)) + B_{\bar{N}}(2N+3661-(N+3699)) + B_{\bar{N}}(2N+3661-(2N+2938))$$

$$= B_{\bar{N}}(3013) + B_{\bar{N}}(N-38) + B_{\bar{N}}(723) = 3013 + (N-38) + 723 = N + 3698$$

$$(N > 3013)$$

$$B_{\bar{N}}(2N+3662) = B_{\bar{N}}(2N+3662 - B_{\bar{N}}(2N+3661)) + B_{\bar{N}}(2N+3662 - B_{\bar{N}}(2N+3660)) + B_{\bar{N}}(2N+3662 - B_{\bar{N}}(2N+3659))$$

$$= B_{\bar{N}}(2N+3662 - (N+3698)) + B_{\bar{N}}(2N+3662 - (2N+648)) + B_{\bar{N}}(2N+3662 - (N+3699))$$

$$= B_{\bar{N}}(N-36) + B_{\bar{N}}(3014) + B_{\bar{N}}(N-37) = (N-36) + 3014 + (N-37) = 2N + 2941$$

$$(N > 3014)$$

$$\begin{split} B_{\bar{N}}(2N+3663) &= B_{\bar{N}}(2N+3663-B_{\bar{N}}(2N+3662)) + B_{\bar{N}}(2N+3663-B_{\bar{N}}(2N+3661)) + B_{\bar{N}}(2N+3663-B_{\bar{N}}(2N+3660)) \\ &= B_{\bar{N}}(2N+3663-(2N+2941)) + B_{\bar{N}}(2N+3663-(N+3698)) + B_{\bar{N}}(2N+3663-(2N+648)) \\ &= B_{\bar{N}}(722) + B_{\bar{N}}(N-35) + B_{\bar{N}}(3015) = 722 + (N-35) + 3015 = N + 3702 \\ &(N \geq 3015) \end{split}$$

$$B_{\bar{N}}(2N+3664) = B_{\bar{N}}(2N+3664-B_{\bar{N}}(2N+3663)) + B_{\bar{N}}(2N+3664-B_{\bar{N}}(2N+3662)) + B_{\bar{N}}(2N+3664-B_{\bar{N}}(2N+3661))$$

$$= B_{\bar{N}}(2N+3664-(N+3702)) + B_{\bar{N}}(2N+3664-(2N+2941)) + B_{\bar{N}}(2N+3664-(N+3698))$$

$$= B_{\bar{N}}(N-38) + B_{\bar{N}}(723) + B_{\bar{N}}(N-34) = (N-38) + 723 + (N-34) = 2N+651$$

$$(N \ge 723)$$

$$B_{\bar{N}}(2N+3665) = B_{\bar{N}}(2N+3665-B_{\bar{N}}(2N+3664)) + B_{\bar{N}}(2N+3665-B_{\bar{N}}(2N+3663)) + B_{\bar{N}}(2N+3665-B_{\bar{N}}(2N+3662))$$

$$= B_{\bar{N}}(2N+3665-(2N+651)) + B_{\bar{N}}(2N+3665-(N+3702)) + B_{\bar{N}}(2N+3665-(2N+2941))$$

$$= B_{\bar{N}}(3014) + B_{\bar{N}}(N-37) + B_{\bar{N}}(724) = 3014 + (N-37) + 724 = N + 3701$$

$$(N \ge 3014)$$

$$B_{\bar{N}}(2N+3666) = B_{\bar{N}}(2N+3666-B_{\bar{N}}(2N+3665)) + B_{\bar{N}}(2N+3666-B_{\bar{N}}(2N+3664)) + B_{\bar{N}}(2N+3666-B_{\bar{N}}(2N+3663))$$

$$= B_{\bar{N}}(2N+3666-(N+3701)) + B_{\bar{N}}(2N+3666-(2N+651)) + B_{\bar{N}}(2N+3666-(N+3702))$$

$$= B_{\bar{N}}(N-35) + B_{\bar{N}}(3015) + B_{\bar{N}}(N-36) = (N-35) + 3015 + (N-36) = 2N + 2944$$

$$(N > 3015)$$

$$B_{\bar{N}}(2N+3667) = B_{\bar{N}}(2N+3667 - B_{\bar{N}}(2N+3666)) + B_{\bar{N}}(2N+3667 - B_{\bar{N}}(2N+3665)) + B_{\bar{N}}(2N+3667 - B_{\bar{N}}(2N+3664))$$

$$= B_{\bar{N}}(2N+3667 - (2N+2944)) + B_{\bar{N}}(2N+3667 - (N+3701)) + B_{\bar{N}}(2N+3667 - (2N+651))$$

$$= B_{\bar{N}}(723) + B_{\bar{N}}(N-34) + B_{\bar{N}}(3016) = 723 + (N-34) + 3016 = N + 3705$$

$$(N > 3016)$$

$$B_{\bar{N}}(2N+3668) = B_{\bar{N}}(2N+3668-B_{\bar{N}}(2N+3667)) + B_{\bar{N}}(2N+3668-B_{\bar{N}}(2N+3666)) + B_{\bar{N}}(2N+3668-B_{\bar{N}}(2N+3665))$$

$$= B_{\bar{N}}(2N+3668-(N+3705)) + B_{\bar{N}}(2N+3668-(2N+2944)) + B_{\bar{N}}(2N+3668-(N+3701))$$

$$= B_{\bar{N}}(N-37) + B_{\bar{N}}(724) + B_{\bar{N}}(N-33) = (N-37) + 724 + (N-33) = 2N + 654$$

$$(N \ge 724)$$

$$B_{\bar{N}}(2N+3669) = B_{\bar{N}}(2N+3669 - B_{\bar{N}}(2N+3668)) + B_{\bar{N}}(2N+3669 - B_{\bar{N}}(2N+3667)) + B_{\bar{N}}(2N+3669 - B_{\bar{N}}(2N+3669))$$

$$= B_{\bar{N}}(2N+3669 - (2N+654)) + B_{\bar{N}}(2N+3669 - (N+3705)) + B_{\bar{N}}(2N+3669 - (2N+2944))$$

$$= B_{\bar{N}}(3015) + B_{\bar{N}}(N-36) + B_{\bar{N}}(725) = 3015 + (N-36) + 725 = N + 3704$$

$$(N \ge 3015)$$

$$B_{\bar{N}}(2N+3670) = B_{\bar{N}}(2N+3670 - B_{\bar{N}}(2N+3669)) + B_{\bar{N}}(2N+3670 - B_{\bar{N}}(2N+3668)) + B_{\bar{N}}(2N+3670 - B_{\bar{N}}(2N+3667))$$

$$= B_{\bar{N}}(2N+3670 - (N+3704)) + B_{\bar{N}}(2N+3670 - (2N+654)) + B_{\bar{N}}(2N+3670 - (N+3705))$$

$$= B_{\bar{N}}(N-34) + B_{\bar{N}}(3016) + B_{\bar{N}}(N-35) = (N-34) + 3016 + (N-35) = 2N + 2947$$

$$(N \ge 3016)$$

$$B_{\bar{N}}(2N+3671) = B_{\bar{N}}(2N+3671-B_{\bar{N}}(2N+3670)) + B_{\bar{N}}(2N+3671-B_{\bar{N}}(2N+3669)) + B_{\bar{N}}(2N+3671-B_{\bar{N}}(2N+3668))$$

$$= B_{\bar{N}}(2N+3671-(2N+2947)) + B_{\bar{N}}(2N+3671-(N+3704)) + B_{\bar{N}}(2N+3671-(2N+654))$$

$$= B_{\bar{N}}(724) + B_{\bar{N}}(N-33) + B_{\bar{N}}(3017) = 724 + (N-33) + 3017 = N + 3708$$

$$(N \ge 3017)$$

$$B_{\bar{N}}(2N+3672) = B_{\bar{N}}(2N+3672 - B_{\bar{N}}(2N+3671)) + B_{\bar{N}}(2N+3672 - B_{\bar{N}}(2N+3670)) + B_{\bar{N}}(2N+3672 - B_{\bar{N}}(2N+3669))$$

$$= B_{\bar{N}}(2N+3672 - (N+3708)) + B_{\bar{N}}(2N+3672 - (2N+2947)) + B_{\bar{N}}(2N+3672 - (N+3704))$$

$$= B_{\bar{N}}(N-36) + B_{\bar{N}}(725) + B_{\bar{N}}(N-32) = (N-36) + 725 + (N-32) = 2N + 657$$

$$(N > 725)$$

$$B_{\bar{N}}(2N+3673) = B_{\bar{N}}(2N+3673-B_{\bar{N}}(2N+3672)) + B_{\bar{N}}(2N+3673-B_{\bar{N}}(2N+3671)) + B_{\bar{N}}(2N+3673-B_{\bar{N}}(2N+3670)) = B_{\bar{N}}(2N+3673-(2N+657)) + B_{\bar{N}}(2N+3673-(N+3708)) + B_{\bar{N}}(2N+3673-(2N+2947)) = B_{\bar{N}}(3016) + B_{\bar{N}}(N-35) + B_{\bar{N}}(726) = 3016 + (N-35) + 726 = N+3707 (N \geq 3016)$$

$$B_{\bar{N}}(2N+3674) = B_{\bar{N}}(2N+3674-B_{\bar{N}}(2N+3673)) + B_{\bar{N}}(2N+3674-B_{\bar{N}}(2N+3672)) + B_{\bar{N}}(2N+3674-B_{\bar{N}}(2N+3671))$$

$$= B_{\bar{N}}(2N+3674-(N+3707)) + B_{\bar{N}}(2N+3674-(2N+657)) + B_{\bar{N}}(2N+3674-(N+3708))$$

$$= B_{\bar{N}}(N-33) + B_{\bar{N}}(3017) + B_{\bar{N}}(N-34) = (N-33) + 3017 + (N-34) = 2N + 2950$$

$$(N \ge 3017)$$

$$B_{\bar{N}}(2N+3675) = B_{\bar{N}}(2N+3675 - B_{\bar{N}}(2N+3674)) + B_{\bar{N}}(2N+3675 - B_{\bar{N}}(2N+3673)) + B_{\bar{N}}(2N+3675 - B_{\bar{N}}(2N+3675))$$

$$= B_{\bar{N}}(2N+3675 - (2N+2950)) + B_{\bar{N}}(2N+3675 - (N+3707)) + B_{\bar{N}}(2N+3675 - (2N+657))$$

$$= B_{\bar{N}}(725) + B_{\bar{N}}(N-32) + B_{\bar{N}}(3018) = 725 + (N-32) + 3018 = N + 3711$$

$$(N \ge 3018)$$

$$B_{\bar{N}}(2N+3676) = B_{\bar{N}}(2N+3676-B_{\bar{N}}(2N+3675)) + B_{\bar{N}}(2N+3676-B_{\bar{N}}(2N+3674)) + B_{\bar{N}}(2N+3676-B_{\bar{N}}(2N+3673))$$

$$= B_{\bar{N}}(2N+3676-(N+3711)) + B_{\bar{N}}(2N+3676-(2N+2950)) + B_{\bar{N}}(2N+3676-(N+3707))$$

$$= B_{\bar{N}}(N-35) + B_{\bar{N}}(726) + B_{\bar{N}}(N-31) = (N-35) + 726 + (N-31) = 2N + 660$$

$$(N \ge 726)$$

$$B_{\bar{N}}(2N+3677) = B_{\bar{N}}(2N+3677 - B_{\bar{N}}(2N+3676)) + B_{\bar{N}}(2N+3677 - B_{\bar{N}}(2N+3675)) + B_{\bar{N}}(2N+3677 - B_{\bar{N}}(2N+3674))$$

$$= B_{\bar{N}}(2N+3677 - (2N+660)) + B_{\bar{N}}(2N+3677 - (N+3711)) + B_{\bar{N}}(2N+3677 - (2N+2950))$$

$$= B_{\bar{N}}(3017) + B_{\bar{N}}(N-34) + B_{\bar{N}}(727) = 3017 + (N-34) + 727 = N + 3710$$

$$(N \ge 3017)$$

$$B_{\bar{N}}(2N+3678) = B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3677)) + B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3676)) + B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2N+3678-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3679) = B_{\bar{N}}(2N+3679 - B_{\bar{N}}(2N+3678)) + B_{\bar{N}}(2N+3679 - B_{\bar{N}}(2N+3677)) + B_{\bar{N}}(2N+3679 - B_{\bar{N}}(2N+3679))$$

$$= B_{\bar{N}}(2N+3679 - (2N+2953)) + B_{\bar{N}}(2N+3679 - (N+3710)) + B_{\bar{N}}(2N+3679 - (2N+660))$$

$$= B_{\bar{N}}(726) + B_{\bar{N}}(N-31) + B_{\bar{N}}(3019) = 726 + (N-31) + 3019 = N + 3714$$

$$(N \ge 3019)$$

$$B_{\bar{N}}(2N+3680) = B_{\bar{N}}(2N+3680 - B_{\bar{N}}(2N+3679)) + B_{\bar{N}}(2N+3680 - B_{\bar{N}}(2N+3678)) + B_{\bar{N}}(2N+3680 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3681) = B_{\bar{N}}(2N+3681-B_{\bar{N}}(2N+3680)) + B_{\bar{N}}(2N+3681-B_{\bar{N}}(2N+3679)) + B_{\bar{N}}(2N+3681-B_{\bar{N}}(2N+3678))$$

$$= B_{\bar{N}}(2N+3681-(2N+663)) + B_{\bar{N}}(2N+3681-(N+3714)) + B_{\bar{N}}(2N+3681-(2N+2953))$$

$$= B_{\bar{N}}(3018) + B_{\bar{N}}(N-33) + B_{\bar{N}}(728) = 3018 + (N-33) + 728 = N + 3713$$

$$(N > 3018)$$

$$B_{\bar{N}}(2N+3682) = B_{\bar{N}}(2N+3682-B_{\bar{N}}(2N+3681)) + B_{\bar{N}}(2N+3682-B_{\bar{N}}(2N+3680)) + B_{\bar{N}}(2N+3682-B_{\bar{N}}(2N+3679))$$

$$= B_{\bar{N}}(2N+3682-(N+3713)) + B_{\bar{N}}(2N+3682-(2N+663)) + B_{\bar{N}}(2N+3682-(N+3714))$$

$$= B_{\bar{N}}(N-31) + B_{\bar{N}}(3019) + B_{\bar{N}}(N-32) = (N-31) + 3019 + (N-32) = 2N + 2956$$

$$(N \ge 3019)$$

$$B_{\bar{N}}(2N+3683) = B_{\bar{N}}(2N+3683 - B_{\bar{N}}(2N+3682)) + B_{\bar{N}}(2N+3683 - B_{\bar{N}}(2N+3681)) + B_{\bar{N}}(2N+3683 - B_{\bar{N}}(2N+3683))$$

$$= B_{\bar{N}}(2N+3683 - (2N+2956)) + B_{\bar{N}}(2N+3683 - (N+3713)) + B_{\bar{N}}(2N+3683 - (2N+663))$$

$$= B_{\bar{N}}(727) + B_{\bar{N}}(N-30) + B_{\bar{N}}(3020) = 727 + (N-30) + 3020 = N + 3717$$

$$(N \ge 3020)$$

$$B_{\bar{N}}(2N+3684) = B_{\bar{N}}(2N+3684-B_{\bar{N}}(2N+3683)) + B_{\bar{N}}(2N+3684-B_{\bar{N}}(2N+3682)) + B_{\bar{N}}(2N+3684-B_{\bar{N}}(2N+3681))$$

$$= B_{\bar{N}}(2N+3684-(N+3717)) + B_{\bar{N}}(2N+3684-(2N+2956)) + B_{\bar{N}}(2N+3684-(N+3713))$$

$$= B_{\bar{N}}(N-33) + B_{\bar{N}}(728) + B_{\bar{N}}(N-29) = (N-33) + 728 + (N-29) = 2N + 666$$

$$(N \ge 728)$$

$$B_{\bar{N}}(2N+3685) = B_{\bar{N}}(2N+3685-B_{\bar{N}}(2N+3684)) + B_{\bar{N}}(2N+3685-B_{\bar{N}}(2N+3683)) + B_{\bar{N}}(2N+3685-B_{\bar{N}}(2N+3685))$$

$$= B_{\bar{N}}(2N+3685-(2N+666)) + B_{\bar{N}}(2N+3685-(N+3717)) + B_{\bar{N}}(2N+3685-(2N+2956))$$

$$= B_{\bar{N}}(3019) + B_{\bar{N}}(N-32) + B_{\bar{N}}(729) = 3019 + (N-32) + 729 = N + 3716$$

$$(N \ge 3019)$$

$$B_{\bar{N}}(2N+3686) = B_{\bar{N}}(2N+3686-B_{\bar{N}}(2N+3685)) + B_{\bar{N}}(2N+3686-B_{\bar{N}}(2N+3684)) + B_{\bar{N}}(2N+3686-B_{\bar{N}}(2N+3683))$$

$$= B_{\bar{N}}(2N+3686-(N+3716)) + B_{\bar{N}}(2N+3686-(2N+666)) + B_{\bar{N}}(2N+3686-(N+3717))$$

$$= B_{\bar{N}}(N-30) + B_{\bar{N}}(3020) + B_{\bar{N}}(N-31) = (N-30) + 3020 + (N-31) = 2N + 2959$$

$$(N \ge 3020)$$

$$B_{\bar{N}}(2N+3687) = B_{\bar{N}}(2N+3687 - B_{\bar{N}}(2N+3686)) + B_{\bar{N}}(2N+3687 - B_{\bar{N}}(2N+3685)) + B_{\bar{N}}(2N+3687 - B_{\bar{N}}(2N+3684))$$

$$= B_{\bar{N}}(2N+3687 - (2N+2959)) + B_{\bar{N}}(2N+3687 - (N+3716)) + B_{\bar{N}}(2N+3687 - (2N+666))$$

$$= B_{\bar{N}}(728) + B_{\bar{N}}(N-29) + B_{\bar{N}}(3021) = 728 + (N-29) + 3021 = N + 3720$$

$$(N \ge 3021)$$

$$B_{\bar{N}}(2N+3688) = B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3687)) + B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3686)) + B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2N+3688-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3689) = B_{\bar{N}}(2N+3689 - B_{\bar{N}}(2N+3688)) + B_{\bar{N}}(2N+3689 - B_{\bar{N}}(2N+3687)) + B_{\bar{N}}(2N+3689 - B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+3690) &= B_{\bar{N}}(2N+3690-B_{\bar{N}}(2N+3689)) + B_{\bar{N}}(2N+3690-B_{\bar{N}}(2N+3688)) + B_{\bar{N}}(2N+3690-B_{\bar{N}}(2N+3687)) \\ &= B_{\bar{N}}(2N+3690-(N+3719)) + B_{\bar{N}}(2N+3690-(2N+669)) + B_{\bar{N}}(2N+3690-(N+3720)) \\ &= B_{\bar{N}}(N-29) + B_{\bar{N}}(3021) + B_{\bar{N}}(N-30) = (N-29) + 3021 + (N-30) = 2N + 2962 \\ &(N \geq 3021) \end{split}$$

$$B_{\bar{N}}(2N+3691) = B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3690)) + B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+3691-B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+36$$

$$B_{\bar{N}}(2N+3692) = B_{\bar{N}}(2N+3692-B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+3692-B_{\bar{N}}(2N+3690)) + B_{\bar{N}}(2N+3692-B_{\bar{N}}(2N+3689))$$

$$= B_{\bar{N}}(2N+3692-(N+3723)) + B_{\bar{N}}(2N+3692-(2N+2962)) + B_{\bar{N}}(2N+3692-(N+3719))$$

$$= B_{\bar{N}}(N-31) + B_{\bar{N}}(730) + B_{\bar{N}}(N-27) = (N-31) + 730 + (N-27) = 2N + 672$$

$$(N \ge 730)$$

$$B_{\bar{N}}(2N+3693) = B_{\bar{N}}(2N+3693 - B_{\bar{N}}(2N+3692)) + B_{\bar{N}}(2N+3693 - B_{\bar{N}}(2N+3691)) + B_{\bar{N}}(2N+3693 - B_{\bar{N}}(2N+3690))$$

$$= B_{\bar{N}}(2N+3693 - (2N+672)) + B_{\bar{N}}(2N+3693 - (N+3723)) + B_{\bar{N}}(2N+3693 - (2N+2962))$$

$$= B_{\bar{N}}(3021) + B_{\bar{N}}(N-30) + B_{\bar{N}}(731) = 3021 + (N-30) + 731 = N + 3722$$

$$(N \ge 3021)$$

$$B_{\bar{N}}(2N+3694) = B_{\bar{N}}(2N+3694-B_{\bar{N}}(2N+3693)) + B_{\bar{N}}(2N+3694-B_{\bar{N}}(2N+3692)) + B_{\bar{N}}(2N+3694-B_{\bar{N}}(2N+3691))$$

$$= B_{\bar{N}}(2N+3694-(N+3722)) + B_{\bar{N}}(2N+3694-(2N+672)) + B_{\bar{N}}(2N+3694-(N+3723))$$

$$= B_{\bar{N}}(N-28) + B_{\bar{N}}(3022) + B_{\bar{N}}(N-29) = (N-28) + 3022 + (N-29) = 2N + 2965$$

$$(N \ge 3022)$$

$$B_{\bar{N}}(2N+3695) = B_{\bar{N}}(2N+3695-B_{\bar{N}}(2N+3694)) + B_{\bar{N}}(2N+3695-B_{\bar{N}}(2N+3693)) + B_{\bar{N}}(2N+3695-B_{\bar{N}}(2N+3692))$$

$$= B_{\bar{N}}(2N+3695-(2N+2965)) + B_{\bar{N}}(2N+3695-(N+3722)) + B_{\bar{N}}(2N+3695-(2N+672))$$

$$= B_{\bar{N}}(730) + B_{\bar{N}}(N-27) + B_{\bar{N}}(3023) = 730 + (N-27) + 3023 = N + 3726$$

$$(N \ge 3023)$$

$$B_{\bar{N}}(2N+3696) = B_{\bar{N}}(2N+3696-B_{\bar{N}}(2N+3695)) + B_{\bar{N}}(2N+3696-B_{\bar{N}}(2N+3694)) + B_{\bar{N}}(2N+3696-B_{\bar{N}}(2N+3693))$$

$$= B_{\bar{N}}(2N+3696-(N+3726)) + B_{\bar{N}}(2N+3696-(2N+2965)) + B_{\bar{N}}(2N+3696-(N+3722))$$

$$= B_{\bar{N}}(N-30) + B_{\bar{N}}(731) + B_{\bar{N}}(N-26) = (N-30) + 731 + (N-26) = 2N + 675$$

$$(N \ge 731)$$

$$B_{\bar{N}}(2N+3697) = B_{\bar{N}}(2N+3697-B_{\bar{N}}(2N+3696)) + B_{\bar{N}}(2N+3697-B_{\bar{N}}(2N+3695)) + B_{\bar{N}}(2N+3697-B_{\bar{N}}(2N+3694))$$

$$= B_{\bar{N}}(2N+3697-(2N+675)) + B_{\bar{N}}(2N+3697-(N+3726)) + B_{\bar{N}}(2N+3697-(2N+2965))$$

$$= B_{\bar{N}}(3022) + B_{\bar{N}}(N-29) + B_{\bar{N}}(732) = 3022 + (N-29) + 732 = N + 3725$$

$$(N \ge 3022)$$

$$B_{\bar{N}}(2N+3698) = B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3697)) + B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3696)) + B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2N+3698-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3699) = B_{\bar{N}}(2N+3699 - B_{\bar{N}}(2N+3698)) + B_{\bar{N}}(2N+3699 - B_{\bar{N}}(2N+3697)) + B_{\bar{N}}(2N+3699 - B_{\bar{N}}(2N+3696))$$

$$= B_{\bar{N}}(2N+3699 - (2N+2968)) + B_{\bar{N}}(2N+3699 - (N+3725)) + B_{\bar{N}}(2N+3699 - (2N+675))$$

$$= B_{\bar{N}}(731) + B_{\bar{N}}(N-26) + B_{\bar{N}}(3024) = 731 + (N-26) + 3024 = N + 3729$$

$$(N \ge 3024)$$

$$B_{\bar{N}}(2N+3700) = B_{\bar{N}}(2N+3700-B_{\bar{N}}(2N+3699)) + B_{\bar{N}}(2N+3700-B_{\bar{N}}(2N+3698)) + B_{\bar{N}}(2N+3700-B_{\bar{N}}(2N+3697))$$

$$= B_{\bar{N}}(2N+3700-(N+3729)) + B_{\bar{N}}(2N+3700-(2N+2968)) + B_{\bar{N}}(2N+3700-(N+3725))$$

$$= B_{\bar{N}}(N-29) + B_{\bar{N}}(732) + B_{\bar{N}}(N-25) = (N-29) + 732 + (N-25) = 2N + 678$$

$$(N \ge 732)$$

$$B_{\bar{N}}(2N+3701) = B_{\bar{N}}(2N+3701-B_{\bar{N}}(2N+3700)) + B_{\bar{N}}(2N+3701-B_{\bar{N}}(2N+3699)) + B_{\bar{N}}(2N+3701-B_{\bar{N}}(2N+3698))$$

$$= B_{\bar{N}}(2N+3701-(2N+678)) + B_{\bar{N}}(2N+3701-(N+3729)) + B_{\bar{N}}(2N+3701-(2N+2968))$$

$$= B_{\bar{N}}(3023) + B_{\bar{N}}(N-28) + B_{\bar{N}}(733) = 3023 + (N-28) + 733 = N + 3728$$

$$(N \ge 3023)$$

$$B_{\bar{N}}(2N+3702) = B_{\bar{N}}(2N+3702-B_{\bar{N}}(2N+3701)) + B_{\bar{N}}(2N+3702-B_{\bar{N}}(2N+3700)) + B_{\bar{N}}(2N+3702-B_{\bar{N}}(2N+3699))$$

$$= B_{\bar{N}}(2N+3702-(N+3728)) + B_{\bar{N}}(2N+3702-(2N+678)) + B_{\bar{N}}(2N+3702-(N+3729))$$

$$= B_{\bar{N}}(N-26) + B_{\bar{N}}(3024) + B_{\bar{N}}(N-27) = (N-26) + 3024 + (N-27) = 2N + 2971$$

$$(N \ge 3024)$$

$$B_{\bar{N}}(2N+3703) = B_{\bar{N}}(2N+3703-B_{\bar{N}}(2N+3702)) + B_{\bar{N}}(2N+3703-B_{\bar{N}}(2N+3701)) + B_{\bar{N}}(2N+3703-B_{\bar{N}}(2N+3700)) = B_{\bar{N}}(2N+3703-(2N+2971)) + B_{\bar{N}}(2N+3703-(N+3728)) + B_{\bar{N}}(2N+3703-(2N+678)) = B_{\bar{N}}(732) + B_{\bar{N}}(N-25) + B_{\bar{N}}(3025) = 732 + (N-25) + 3025 = N + 3732 (N \ge 3025)$$

$$B_{\bar{N}}(2N+3704) = B_{\bar{N}}(2N+3704-B_{\bar{N}}(2N+3703)) + B_{\bar{N}}(2N+3704-B_{\bar{N}}(2N+3702)) + B_{\bar{N}}(2N+3704-B_{\bar{N}}(2N+3701))$$

$$= B_{\bar{N}}(2N+3704-(N+3732)) + B_{\bar{N}}(2N+3704-(2N+2971)) + B_{\bar{N}}(2N+3704-(N+3728))$$

$$= B_{\bar{N}}(N-28) + B_{\bar{N}}(733) + B_{\bar{N}}(N-24) = (N-28) + 733 + (N-24) = 2N + 681$$

$$(N \ge 733)$$

$$B_{\bar{N}}(2N+3705) = B_{\bar{N}}(2N+3705-B_{\bar{N}}(2N+3704)) + B_{\bar{N}}(2N+3705-B_{\bar{N}}(2N+3703)) + B_{\bar{N}}(2N+3705-B_{\bar{N}}(2N+3702))$$

$$= B_{\bar{N}}(2N+3705-(2N+681)) + B_{\bar{N}}(2N+3705-(N+3732)) + B_{\bar{N}}(2N+3705-(2N+2971))$$

$$= B_{\bar{N}}(3024) + B_{\bar{N}}(N-27) + B_{\bar{N}}(734) = 3024 + (N-27) + 734 = N + 3731$$

$$(N \ge 3024)$$

$$B_{\bar{N}}(2N+3706) = B_{\bar{N}}(2N+3706-B_{\bar{N}}(2N+3705)) + B_{\bar{N}}(2N+3706-B_{\bar{N}}(2N+3704)) + B_{\bar{N}}(2N+3706-B_{\bar{N}}(2N+3703))$$

$$= B_{\bar{N}}(2N+3706-(N+3731)) + B_{\bar{N}}(2N+3706-(2N+681)) + B_{\bar{N}}(2N+3706-(N+3732))$$

$$= B_{\bar{N}}(N-25) + B_{\bar{N}}(3025) + B_{\bar{N}}(N-26) = (N-25) + 3025 + (N-26) = 2N + 2974$$

$$(N \ge 3025)$$

$$B_{\bar{N}}(2N+3707) = B_{\bar{N}}(2N+3707-B_{\bar{N}}(2N+3706)) + B_{\bar{N}}(2N+3707-B_{\bar{N}}(2N+3705)) + B_{\bar{N}}(2N+3707-B_{\bar{N}}(2N+3704))$$

$$= B_{\bar{N}}(2N+3707-(2N+2974)) + B_{\bar{N}}(2N+3707-(N+3731)) + B_{\bar{N}}(2N+3707-(2N+681))$$

$$= B_{\bar{N}}(733) + B_{\bar{N}}(N-24) + B_{\bar{N}}(3026) = 733 + (N-24) + 3026 = N + 3735$$

$$(N \ge 3026)$$

$$B_{\bar{N}}(2N+3708) = B_{\bar{N}}(2N+3708-B_{\bar{N}}(2N+3707)) + B_{\bar{N}}(2N+3708-B_{\bar{N}}(2N+3706)) + B_{\bar{N}}(2N+3708-B_{\bar{N}}(2N+3705)) = B_{\bar{N}}(2N+3708-(N+3735)) + B_{\bar{N}}(2N+3708-(2N+2974)) + B_{\bar{N}}(2N+3708-(N+3731)) = B_{\bar{N}}(N-27) + B_{\bar{N}}(734) + B_{\bar{N}}(N-23) = (N-27) + 734 + (N-23) = 2N + 684 (N \ge 734)$$

$$B_{\bar{N}}(2N+3709) = B_{\bar{N}}(2N+3709 - B_{\bar{N}}(2N+3708)) + B_{\bar{N}}(2N+3709 - B_{\bar{N}}(2N+3707)) + B_{\bar{N}}(2N+3709 - B_{\bar{N}}(2N+3706))$$

$$= B_{\bar{N}}(2N+3709 - (2N+684)) + B_{\bar{N}}(2N+3709 - (N+3735)) + B_{\bar{N}}(2N+3709 - (2N+2974))$$

$$= B_{\bar{N}}(3025) + B_{\bar{N}}(N-26) + B_{\bar{N}}(735) = 3025 + (N-26) + 735 = N + 3734$$

$$(N \ge 3025)$$

$$B_{\bar{N}}(2N+3710) = B_{\bar{N}}(2N+3710-B_{\bar{N}}(2N+3709)) + B_{\bar{N}}(2N+3710-B_{\bar{N}}(2N+3708)) + B_{\bar{N}}(2N+3710-B_{\bar{N}}(2N+3707))$$

$$= B_{\bar{N}}(2N+3710-(N+3734)) + B_{\bar{N}}(2N+3710-(2N+684)) + B_{\bar{N}}(2N+3710-(N+3735))$$

$$= B_{\bar{N}}(N-24) + B_{\bar{N}}(3026) + B_{\bar{N}}(N-25) = (N-24) + 3026 + (N-25) = 2N + 2977$$

$$(N \ge 3026)$$

$$B_{\bar{N}}(2N+3711) = B_{\bar{N}}(2N+3711-B_{\bar{N}}(2N+3710)) + B_{\bar{N}}(2N+3711-B_{\bar{N}}(2N+3709)) + B_{\bar{N}}(2N+3711-B_{\bar{N}}(2N+3708))$$

$$= B_{\bar{N}}(2N+3711-(2N+2977)) + B_{\bar{N}}(2N+3711-(N+3734)) + B_{\bar{N}}(2N+3711-(2N+684))$$

$$= B_{\bar{N}}(734) + B_{\bar{N}}(N-23) + B_{\bar{N}}(3027) = 734 + (N-23) + 3027 = N + 3738$$

$$(N \ge 3027)$$

$$B_{\bar{N}}(2N+3712) = B_{\bar{N}}(2N+3712-B_{\bar{N}}(2N+3711)) + B_{\bar{N}}(2N+3712-B_{\bar{N}}(2N+3710)) + B_{\bar{N}}(2N+3712-B_{\bar{N}}(2N+3709))$$

$$= B_{\bar{N}}(2N+3712-(N+3738)) + B_{\bar{N}}(2N+3712-(2N+2977)) + B_{\bar{N}}(2N+3712-(N+3734))$$

$$= B_{\bar{N}}(N-26) + B_{\bar{N}}(735) + B_{\bar{N}}(N-22) = (N-26) + 735 + (N-22) = 2N + 687$$

$$(N \ge 735)$$

$$B_{\bar{N}}(2N+3713) = B_{\bar{N}}(2N+3713-B_{\bar{N}}(2N+3712)) + B_{\bar{N}}(2N+3713-B_{\bar{N}}(2N+3711)) + B_{\bar{N}}(2N+3713-B_{\bar{N}}(2N+3710))$$

$$= B_{\bar{N}}(2N+3713-(2N+687)) + B_{\bar{N}}(2N+3713-(N+3738)) + B_{\bar{N}}(2N+3713-(2N+2977))$$

$$= B_{\bar{N}}(3026) + B_{\bar{N}}(N-25) + B_{\bar{N}}(736) = 3026 + (N-25) + 736 = N + 3737$$

$$(N \ge 3026)$$

$$B_{\bar{N}}(2N+3714) = B_{\bar{N}}(2N+3714-B_{\bar{N}}(2N+3713)) + B_{\bar{N}}(2N+3714-B_{\bar{N}}(2N+3712)) + B_{\bar{N}}(2N+3714-B_{\bar{N}}(2N+3711))$$

$$= B_{\bar{N}}(2N+3714-(N+3737)) + B_{\bar{N}}(2N+3714-(2N+687)) + B_{\bar{N}}(2N+3714-(N+3738))$$

$$= B_{\bar{N}}(N-23) + B_{\bar{N}}(3027) + B_{\bar{N}}(N-24) = (N-23) + 3027 + (N-24) = 2N + 2980$$

$$(N \ge 3027)$$

$$B_{\bar{N}}(2N+3715) = B_{\bar{N}}(2N+3715-B_{\bar{N}}(2N+3714)) + B_{\bar{N}}(2N+3715-B_{\bar{N}}(2N+3713)) + B_{\bar{N}}(2N+3715-B_{\bar{N}}(2N+3712))$$

$$= B_{\bar{N}}(2N+3715-(2N+2980)) + B_{\bar{N}}(2N+3715-(N+3737)) + B_{\bar{N}}(2N+3715-(2N+687))$$

$$= B_{\bar{N}}(735) + B_{\bar{N}}(N-22) + B_{\bar{N}}(3028) = 735 + (N-22) + 3028 = N + 3741$$

$$(N \ge 3028)$$

$$B_{\bar{N}}(2N+3716) = B_{\bar{N}}(2N+3716 - B_{\bar{N}}(2N+3715)) + B_{\bar{N}}(2N+3716 - B_{\bar{N}}(2N+3714)) + B_{\bar{N}}(2N+3716 - B_{\bar{N}}(2N+3713))$$

$$= B_{\bar{N}}(2N+3716 - (N+3741)) + B_{\bar{N}}(2N+3716 - (2N+2980)) + B_{\bar{N}}(2N+3716 - (N+3737))$$

$$= B_{\bar{N}}(N-25) + B_{\bar{N}}(736) + B_{\bar{N}}(N-21) = (N-25) + 736 + (N-21) = 2N + 690$$

$$(N \ge 736)$$

$$B_{\bar{N}}(2N+3717) = B_{\bar{N}}(2N+3717-B_{\bar{N}}(2N+3716)) + B_{\bar{N}}(2N+3717-B_{\bar{N}}(2N+3715)) + B_{\bar{N}}(2N+3717-B_{\bar{N}}(2N+3714))$$

$$= B_{\bar{N}}(2N+3717-(2N+690)) + B_{\bar{N}}(2N+3717-(N+3741)) + B_{\bar{N}}(2N+3717-(2N+2980))$$

$$= B_{\bar{N}}(3027) + B_{\bar{N}}(N-24) + B_{\bar{N}}(737) = 3027 + (N-24) + 737 = N + 3740$$

$$(N \ge 3027)$$

$$B_{\bar{N}}(2N+3718) = B_{\bar{N}}(2N+3718-B_{\bar{N}}(2N+3717)) + B_{\bar{N}}(2N+3718-B_{\bar{N}}(2N+3716)) + B_{\bar{N}}(2N+3718-B_{\bar{N}}(2N+3715)) = B_{\bar{N}}(2N+3718-(N+3740)) + B_{\bar{N}}(2N+3718-(2N+690)) + B_{\bar{N}}(2N+3718-(N+3741)) = B_{\bar{N}}(N-22) + B_{\bar{N}}(3028) + B_{\bar{N}}(N-23) = (N-22) + 3028 + (N-23) = 2N + 2983 (N \ge 3028)$$

$$B_{\bar{N}}(2N+3719) = B_{\bar{N}}(2N+3719 - B_{\bar{N}}(2N+3718)) + B_{\bar{N}}(2N+3719 - B_{\bar{N}}(2N+3717)) + B_{\bar{N}}(2N+3719 - B_{\bar{N}}(2N+3716))$$

$$= B_{\bar{N}}(2N+3719 - (2N+2983)) + B_{\bar{N}}(2N+3719 - (N+3740)) + B_{\bar{N}}(2N+3719 - (2N+690))$$

$$= B_{\bar{N}}(736) + B_{\bar{N}}(N-21) + B_{\bar{N}}(3029) = 736 + (N-21) + 3029 = N + 3744$$

$$(N \ge 3029)$$

$$B_{\bar{N}}(2N+3720) = B_{\bar{N}}(2N+3720 - B_{\bar{N}}(2N+3719)) + B_{\bar{N}}(2N+3720 - B_{\bar{N}}(2N+3718)) + B_{\bar{N}}(2N+3720 - B_{\bar{N}}(2N+3717))$$

$$= B_{\bar{N}}(2N+3720 - (N+3744)) + B_{\bar{N}}(2N+3720 - (2N+2983)) + B_{\bar{N}}(2N+3720 - (N+3740))$$

$$= B_{\bar{N}}(N-24) + B_{\bar{N}}(737) + B_{\bar{N}}(N-20) = (N-24) + 737 + (N-20) = 2N + 693$$

$$(N \ge 737)$$

$$B_{\bar{N}}(2N+3721) = B_{\bar{N}}(2N+3721 - B_{\bar{N}}(2N+3720)) + B_{\bar{N}}(2N+3721 - B_{\bar{N}}(2N+3719)) + B_{\bar{N}}(2N+3721 - B_{\bar{N}}(2N+3718))$$

$$= B_{\bar{N}}(2N+3721 - (2N+693)) + B_{\bar{N}}(2N+3721 - (N+3744)) + B_{\bar{N}}(2N+3721 - (2N+2983))$$

$$= B_{\bar{N}}(3028) + B_{\bar{N}}(N-23) + B_{\bar{N}}(738) = 3028 + (N-23) + 738 = N + 3743$$

$$(N \ge 3028)$$

$$B_{\bar{N}}(2N+3722) = B_{\bar{N}}(2N+3722-B_{\bar{N}}(2N+3721)) + B_{\bar{N}}(2N+3722-B_{\bar{N}}(2N+3720)) + B_{\bar{N}}(2N+3722-B_{\bar{N}}(2N+3719))$$

$$= B_{\bar{N}}(2N+3722-(N+3743)) + B_{\bar{N}}(2N+3722-(2N+693)) + B_{\bar{N}}(2N+3722-(N+3744))$$

$$= B_{\bar{N}}(N-21) + B_{\bar{N}}(3029) + B_{\bar{N}}(N-22) = (N-21) + 3029 + (N-22) = 2N + 2986$$

$$(N \ge 3029)$$

$$B_{\bar{N}}(2N+3723) = B_{\bar{N}}(2N+3723-B_{\bar{N}}(2N+3722)) + B_{\bar{N}}(2N+3723-B_{\bar{N}}(2N+3721)) + B_{\bar{N}}(2N+3723-B_{\bar{N}}(2N+3720))$$

$$= B_{\bar{N}}(2N+3723-(2N+2986)) + B_{\bar{N}}(2N+3723-(N+3743)) + B_{\bar{N}}(2N+3723-(2N+693))$$

$$= B_{\bar{N}}(737) + B_{\bar{N}}(N-20) + B_{\bar{N}}(3030) = 737 + (N-20) + 3030 = N + 3747$$

$$(N \ge 3030)$$

$$B_{\bar{N}}(2N+3724) = B_{\bar{N}}(2N+3724-B_{\bar{N}}(2N+3723)) + B_{\bar{N}}(2N+3724-B_{\bar{N}}(2N+3722)) + B_{\bar{N}}(2N+3724-B_{\bar{N}}(2N+3721))$$

$$= B_{\bar{N}}(2N+3724-(N+3747)) + B_{\bar{N}}(2N+3724-(2N+2986)) + B_{\bar{N}}(2N+3724-(N+3743))$$

$$= B_{\bar{N}}(N-23) + B_{\bar{N}}(738) + B_{\bar{N}}(N-19) = (N-23) + 738 + (N-19) = 2N + 696$$

$$(N \ge 738)$$

$$B_{\bar{N}}(2N+3725) = B_{\bar{N}}(2N+3725-B_{\bar{N}}(2N+3724)) + B_{\bar{N}}(2N+3725-B_{\bar{N}}(2N+3723)) + B_{\bar{N}}(2N+3725-B_{\bar{N}}(2N+3722))$$

$$= B_{\bar{N}}(2N+3725-(2N+696)) + B_{\bar{N}}(2N+3725-(N+3747)) + B_{\bar{N}}(2N+3725-(2N+2986))$$

$$= B_{\bar{N}}(3029) + B_{\bar{N}}(N-22) + B_{\bar{N}}(739) = 3029 + (N-22) + 739 = N + 3746$$

$$(N \ge 3029)$$

$$B_{\bar{N}}(2N+3726) = B_{\bar{N}}(2N+3726-B_{\bar{N}}(2N+3725)) + B_{\bar{N}}(2N+3726-B_{\bar{N}}(2N+3724)) + B_{\bar{N}}(2N+3726-B_{\bar{N}}(2N+3723))$$

$$= B_{\bar{N}}(2N+3726-(N+3746)) + B_{\bar{N}}(2N+3726-(2N+696)) + B_{\bar{N}}(2N+3726-(N+3747))$$

$$= B_{\bar{N}}(N-20) + B_{\bar{N}}(3030) + B_{\bar{N}}(N-21) = (N-20) + 3030 + (N-21) = 2N + 2989$$

$$(N > 3030)$$

$$B_{\bar{N}}(2N+3727) = B_{\bar{N}}(2N+3727-B_{\bar{N}}(2N+3726)) + B_{\bar{N}}(2N+3727-B_{\bar{N}}(2N+3725)) + B_{\bar{N}}(2N+3727-B_{\bar{N}}(2N+3724))$$

$$= B_{\bar{N}}(2N+3727-(2N+2989)) + B_{\bar{N}}(2N+3727-(N+3746)) + B_{\bar{N}}(2N+3727-(2N+696))$$

$$= B_{\bar{N}}(738) + B_{\bar{N}}(N-19) + B_{\bar{N}}(3031) = 738 + (N-19) + 3031 = N + 3750$$

$$(N \ge 3031)$$

$$B_{\bar{N}}(2N+3728) = B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3727)) + B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3726)) + B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2N+3728-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3729) = B_{\bar{N}}(2N+3729 - B_{\bar{N}}(2N+3728)) + B_{\bar{N}}(2N+3729 - B_{\bar{N}}(2N+3727)) + B_{\bar{N}}(2N+3729 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3730) = B_{\bar{N}}(2N+3730 - B_{\bar{N}}(2N+3729)) + B_{\bar{N}}(2N+3730 - B_{\bar{N}}(2N+3728)) + B_{\bar{N}}(2N+3730 - B_{\bar{N}}(2N+3727))$$

$$= B_{\bar{N}}(2N+3730 - (N+3749)) + B_{\bar{N}}(2N+3730 - (2N+699)) + B_{\bar{N}}(2N+3730 - (N+3750))$$

$$= B_{\bar{N}}(N-19) + B_{\bar{N}}(3031) + B_{\bar{N}}(N-20) = (N-19) + 3031 + (N-20) = 2N + 2992$$

$$(N \ge 3031)$$

$$B_{\bar{N}}(2N+3731) = B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3730)) + B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+3731-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N}}(2N+31)-B_{\bar{N$$

$$B_{\bar{N}}(2N+3732) = B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3731)) + B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3730)) + B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2N+3732-B_{\bar{N}}(2$$

$$\begin{split} B_{\bar{N}}(2N+3733) &= B_{\bar{N}}(2N+3733-B_{\bar{N}}(2N+3732)) + B_{\bar{N}}(2N+3733-B_{\bar{N}}(2N+3731)) + B_{\bar{N}}(2N+3733-B_{\bar{N}}(2N+3730)) \\ &= B_{\bar{N}}(2N+3733-(2N+702)) + B_{\bar{N}}(2N+3733-(N+3753)) + B_{\bar{N}}(2N+3733-(2N+2992)) \\ &= B_{\bar{N}}(3031) + B_{\bar{N}}(N-20) + B_{\bar{N}}(741) = 3031 + (N-20) + 741 = N + 3752 \\ &(N \geq 3031) \end{split}$$

$$B_{\bar{N}}(2N+3734) = B_{\bar{N}}(2N+3734-B_{\bar{N}}(2N+3733)) + B_{\bar{N}}(2N+3734-B_{\bar{N}}(2N+3732)) + B_{\bar{N}}(2N+3734-B_{\bar{N}}(2N+3731))$$

$$= B_{\bar{N}}(2N+3734-(N+3752)) + B_{\bar{N}}(2N+3734-(2N+702)) + B_{\bar{N}}(2N+3734-(N+3753))$$

$$= B_{\bar{N}}(N-18) + B_{\bar{N}}(3032) + B_{\bar{N}}(N-19) = (N-18) + 3032 + (N-19) = 2N + 2995$$

$$(N \ge 3032)$$

$$B_{\bar{N}}(2N+3735) = B_{\bar{N}}(2N+3735-B_{\bar{N}}(2N+3734)) + B_{\bar{N}}(2N+3735-B_{\bar{N}}(2N+3733)) + B_{\bar{N}}(2N+3735-B_{\bar{N}}(2N+3732))$$

$$= B_{\bar{N}}(2N+3735-(2N+2995)) + B_{\bar{N}}(2N+3735-(N+3752)) + B_{\bar{N}}(2N+3735-(2N+702))$$

$$= B_{\bar{N}}(740) + B_{\bar{N}}(N-17) + B_{\bar{N}}(3033) = 740 + (N-17) + 3033 = N + 3756$$

$$(N \ge 3033)$$

$$B_{\bar{N}}(2N+3736) = B_{\bar{N}}(2N+3736-B_{\bar{N}}(2N+3735)) + B_{\bar{N}}(2N+3736-B_{\bar{N}}(2N+3734)) + B_{\bar{N}}(2N+3736-B_{\bar{N}}(2N+3733))$$

$$= B_{\bar{N}}(2N+3736-(N+3756)) + B_{\bar{N}}(2N+3736-(2N+2995)) + B_{\bar{N}}(2N+3736-(N+3752))$$

$$= B_{\bar{N}}(N-20) + B_{\bar{N}}(741) + B_{\bar{N}}(N-16) = (N-20) + 741 + (N-16) = 2N + 705$$

$$(N \ge 741)$$

$$B_{\bar{N}}(2N+3737) = B_{\bar{N}}(2N+3737-B_{\bar{N}}(2N+3736)) + B_{\bar{N}}(2N+3737-B_{\bar{N}}(2N+3735)) + B_{\bar{N}}(2N+3737-B_{\bar{N}}(2N+3734))$$

$$= B_{\bar{N}}(2N+3737-(2N+705)) + B_{\bar{N}}(2N+3737-(N+3756)) + B_{\bar{N}}(2N+3737-(2N+2995))$$

$$= B_{\bar{N}}(3032) + B_{\bar{N}}(N-19) + B_{\bar{N}}(742) = 3032 + (N-19) + 742 = N + 3755$$

$$(N > 3032)$$

$$B_{\bar{N}}(2N+3738) = B_{\bar{N}}(2N+3738-B_{\bar{N}}(2N+3737)) + B_{\bar{N}}(2N+3738-B_{\bar{N}}(2N+3736)) + B_{\bar{N}}(2N+3738-B_{\bar{N}}(2N+3735))$$

$$= B_{\bar{N}}(2N+3738-(N+3755)) + B_{\bar{N}}(2N+3738-(2N+705)) + B_{\bar{N}}(2N+3738-(N+3756))$$

$$= B_{\bar{N}}(N-17) + B_{\bar{N}}(3033) + B_{\bar{N}}(N-18) = (N-17) + 3033 + (N-18) = 2N + 2998$$

$$(N \ge 3033)$$

$$B_{\bar{N}}(2N+3739) = B_{\bar{N}}(2N+3739 - B_{\bar{N}}(2N+3738)) + B_{\bar{N}}(2N+3739 - B_{\bar{N}}(2N+3737)) + B_{\bar{N}}(2N+3739 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3740) = B_{\bar{N}}(2N+3740-B_{\bar{N}}(2N+3739)) + B_{\bar{N}}(2N+3740-B_{\bar{N}}(2N+3738)) + B_{\bar{N}}(2N+3740-B_{\bar{N}}(2N+3737))$$

$$= B_{\bar{N}}(2N+3740-(N+3759)) + B_{\bar{N}}(2N+3740-(2N+2998)) + B_{\bar{N}}(2N+3740-(N+3755))$$

$$= B_{\bar{N}}(N-19) + B_{\bar{N}}(742) + B_{\bar{N}}(N-15) = (N-19) + 742 + (N-15) = 2N + 708$$

$$(N \ge 742)$$

$$B_{\bar{N}}(2N+3741) = B_{\bar{N}}(2N+3741-B_{\bar{N}}(2N+3740)) + B_{\bar{N}}(2N+3741-B_{\bar{N}}(2N+3739)) + B_{\bar{N}}(2N+3741-B_{\bar{N}}(2N+3738))$$

$$= B_{\bar{N}}(2N+3741-(2N+708)) + B_{\bar{N}}(2N+3741-(N+3759)) + B_{\bar{N}}(2N+3741-(2N+2998))$$

$$= B_{\bar{N}}(3033) + B_{\bar{N}}(N-18) + B_{\bar{N}}(743) = 3033 + (N-18) + 743 = N + 3758$$

$$(N \ge 3033)$$

$$B_{\bar{N}}(2N+3742) = B_{\bar{N}}(2N+3742-B_{\bar{N}}(2N+3741)) + B_{\bar{N}}(2N+3742-B_{\bar{N}}(2N+3740)) + B_{\bar{N}}(2N+3742-B_{\bar{N}}(2N+3739))$$

$$= B_{\bar{N}}(2N+3742-(N+3758)) + B_{\bar{N}}(2N+3742-(2N+708)) + B_{\bar{N}}(2N+3742-(N+3759))$$

$$= B_{\bar{N}}(N-16) + B_{\bar{N}}(3034) + B_{\bar{N}}(N-17) = (N-16) + 3034 + (N-17) = 2N + 3001$$

$$(N \ge 3034)$$

$$B_{\bar{N}}(2N+3743) = B_{\bar{N}}(2N+3743-B_{\bar{N}}(2N+3742)) + B_{\bar{N}}(2N+3743-B_{\bar{N}}(2N+3741)) + B_{\bar{N}}(2N+3743-B_{\bar{N}}(2N+3740))$$

$$= B_{\bar{N}}(2N+3743-(2N+3001)) + B_{\bar{N}}(2N+3743-(N+3758)) + B_{\bar{N}}(2N+3743-(2N+708))$$

$$= B_{\bar{N}}(742) + B_{\bar{N}}(N-15) + B_{\bar{N}}(3035) = 742 + (N-15) + 3035 = N + 3762$$

$$(N \ge 3035)$$

$$B_{\bar{N}}(2N+3744) = B_{\bar{N}}(2N+3744-B_{\bar{N}}(2N+3743)) + B_{\bar{N}}(2N+3744-B_{\bar{N}}(2N+3742)) + B_{\bar{N}}(2N+3744-B_{\bar{N}}(2N+3741))$$

$$= B_{\bar{N}}(2N+3744-(N+3762)) + B_{\bar{N}}(2N+3744-(2N+3001)) + B_{\bar{N}}(2N+3744-(N+3758))$$

$$= B_{\bar{N}}(N-18) + B_{\bar{N}}(743) + B_{\bar{N}}(N-14) = (N-18) + 743 + (N-14) = 2N + 711$$

$$(N \ge 743)$$

$$B_{\bar{N}}(2N+3745) = B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3744)) + B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745)) + B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2N+3745-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3746) = B_{\bar{N}}(2N+3746-B_{\bar{N}}(2N+3745)) + B_{\bar{N}}(2N+3746-B_{\bar{N}}(2N+3744)) + B_{\bar{N}}(2N+3746-B_{\bar{N}}(2N+3746))$$

$$= B_{\bar{N}}(2N+3746-(N+3761)) + B_{\bar{N}}(2N+3746-(2N+711)) + B_{\bar{N}}(2N+3746-(N+3762))$$

$$= B_{\bar{N}}(N-15) + B_{\bar{N}}(3035) + B_{\bar{N}}(N-16) = (N-15) + 3035 + (N-16) = 2N + 3004$$

$$(N > 3035)$$

$$B_{\bar{N}}(2N+3747) = B_{\bar{N}}(2N+3747-B_{\bar{N}}(2N+3746)) + B_{\bar{N}}(2N+3747-B_{\bar{N}}(2N+3745)) + B_{\bar{N}}(2N+3747-B_{\bar{N}}(2N+3744))$$

$$= B_{\bar{N}}(2N+3747-(2N+3004)) + B_{\bar{N}}(2N+3747-(N+3761)) + B_{\bar{N}}(2N+3747-(2N+711))$$

$$= B_{\bar{N}}(743) + B_{\bar{N}}(N-14) + B_{\bar{N}}(3036) = 743 + (N-14) + 3036 = N + 3765$$

$$(N > 3036)$$

$$B_{\bar{N}}(2N+3748) = B_{\bar{N}}(2N+3748-B_{\bar{N}}(2N+3747)) + B_{\bar{N}}(2N+3748-B_{\bar{N}}(2N+3746)) + B_{\bar{N}}(2N+3748-B_{\bar{N}}(2N+3745))$$

$$= B_{\bar{N}}(2N+3748-(N+3765)) + B_{\bar{N}}(2N+3748-(2N+3004)) + B_{\bar{N}}(2N+3748-(N+3761))$$

$$= B_{\bar{N}}(N-17) + B_{\bar{N}}(744) + B_{\bar{N}}(N-13) = (N-17) + 744 + (N-13) = 2N + 714$$

$$(N \ge 744)$$

$$B_{\bar{N}}(2N+3749) = B_{\bar{N}}(2N+3749 - B_{\bar{N}}(2N+3748)) + B_{\bar{N}}(2N+3749 - B_{\bar{N}}(2N+3747)) + B_{\bar{N}}(2N+3749 - B_{\bar{N}}(2N+3749))$$

$$= B_{\bar{N}}(2N+3749 - (2N+714)) + B_{\bar{N}}(2N+3749 - (N+3765)) + B_{\bar{N}}(2N+3749 - (2N+3004))$$

$$= B_{\bar{N}}(3035) + B_{\bar{N}}(N-16) + B_{\bar{N}}(745) = 3035 + (N-16) + 745 = N + 3764$$

$$(N \ge 3035)$$

$$B_{\bar{N}}(2N+3750) = B_{\bar{N}}(2N+3750 - B_{\bar{N}}(2N+3749)) + B_{\bar{N}}(2N+3750 - B_{\bar{N}}(2N+3748)) + B_{\bar{N}}(2N+3750 - B_{\bar{N}}(2N+3747))$$

$$= B_{\bar{N}}(2N+3750 - (N+3764)) + B_{\bar{N}}(2N+3750 - (2N+714)) + B_{\bar{N}}(2N+3750 - (N+3765))$$

$$= B_{\bar{N}}(N-14) + B_{\bar{N}}(3036) + B_{\bar{N}}(N-15) = (N-14) + 3036 + (N-15) = 2N + 3007$$

$$(N \ge 3036)$$

$$B_{\bar{N}}(2N+3751) = B_{\bar{N}}(2N+3751-B_{\bar{N}}(2N+3750)) + B_{\bar{N}}(2N+3751-B_{\bar{N}}(2N+3749)) + B_{\bar{N}}(2N+3751-B_{\bar{N}}(2N+3748))$$

$$= B_{\bar{N}}(2N+3751-(2N+3007)) + B_{\bar{N}}(2N+3751-(N+3764)) + B_{\bar{N}}(2N+3751-(2N+714))$$

$$= B_{\bar{N}}(744) + B_{\bar{N}}(N-13) + B_{\bar{N}}(3037) = 744 + (N-13) + 3037 = N + 3768$$

$$(N \ge 3037)$$

$$B_{\bar{N}}(2N+3752) = B_{\bar{N}}(2N+3752-B_{\bar{N}}(2N+3751)) + B_{\bar{N}}(2N+3752-B_{\bar{N}}(2N+3750)) + B_{\bar{N}}(2N+3752-B_{\bar{N}}(2N+3749))$$

$$= B_{\bar{N}}(2N+3752-(N+3768)) + B_{\bar{N}}(2N+3752-(2N+3007)) + B_{\bar{N}}(2N+3752-(N+3764))$$

$$= B_{\bar{N}}(N-16) + B_{\bar{N}}(745) + B_{\bar{N}}(N-12) = (N-16) + 745 + (N-12) = 2N + 717$$

$$(N \ge 745)$$

$$B_{\bar{N}}(2N+3753) = B_{\bar{N}}(2N+3753-B_{\bar{N}}(2N+3752)) + B_{\bar{N}}(2N+3753-B_{\bar{N}}(2N+3751)) + B_{\bar{N}}(2N+3753-B_{\bar{N}}(2N+3750))$$

$$= B_{\bar{N}}(2N+3753-(2N+717)) + B_{\bar{N}}(2N+3753-(N+3768)) + B_{\bar{N}}(2N+3753-(2N+3007))$$

$$= B_{\bar{N}}(3036) + B_{\bar{N}}(N-15) + B_{\bar{N}}(746) = 3036 + (N-15) + 746 = N + 3767$$

$$(N \ge 3036)$$

$$B_{\bar{N}}(2N+3754) = B_{\bar{N}}(2N+3754-B_{\bar{N}}(2N+3753)) + B_{\bar{N}}(2N+3754-B_{\bar{N}}(2N+3752)) + B_{\bar{N}}(2N+3754-B_{\bar{N}}(2N+3751))$$

$$= B_{\bar{N}}(2N+3754-(N+3767)) + B_{\bar{N}}(2N+3754-(2N+717)) + B_{\bar{N}}(2N+3754-(N+3768))$$

$$= B_{\bar{N}}(N-13) + B_{\bar{N}}(3037) + B_{\bar{N}}(N-14) = (N-13) + 3037 + (N-14) = 2N + 3010$$

$$(N \ge 3037)$$

$$B_{\bar{N}}(2N+3755) = B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3754)) + B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3755-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+37$$

$$B_{\bar{N}}(2N+3756) = B_{\bar{N}}(2N+3756-B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3756-B_{\bar{N}}(2N+3754)) + B_{\bar{N}}(2N+3756-B_{\bar{N}}(2N+3753))$$

$$= B_{\bar{N}}(2N+3756-(N+3771)) + B_{\bar{N}}(2N+3756-(2N+3010)) + B_{\bar{N}}(2N+3756-(N+3767))$$

$$= B_{\bar{N}}(N-15) + B_{\bar{N}}(746) + B_{\bar{N}}(N-11) = (N-15) + 746 + (N-11) = 2N + 720$$

$$(N \ge 746)$$

$$B_{\bar{N}}(2N+3757) = B_{\bar{N}}(2N+3757 - B_{\bar{N}}(2N+3756)) + B_{\bar{N}}(2N+3757 - B_{\bar{N}}(2N+3755)) + B_{\bar{N}}(2N+3757 - B_{\bar{N}}(2N+3754))$$

$$= B_{\bar{N}}(2N+3757 - (2N+720)) + B_{\bar{N}}(2N+3757 - (N+3771)) + B_{\bar{N}}(2N+3757 - (2N+3010))$$

$$= B_{\bar{N}}(3037) + B_{\bar{N}}(N-14) + B_{\bar{N}}(747) = 3037 + (N-14) + 747 = N + 3770$$

$$(N > 3037)$$

$$B_{\bar{N}}(2N+3758) = B_{\bar{N}}(2N+3758-B_{\bar{N}}(2N+3757)) + B_{\bar{N}}(2N+3758-B_{\bar{N}}(2N+3756)) + B_{\bar{N}}(2N+3758-B_{\bar{N}}(2N+3755)) = B_{\bar{N}}(2N+3758-(N+3770)) + B_{\bar{N}}(2N+3758-(2N+720)) + B_{\bar{N}}(2N+3758-(N+3771)) = B_{\bar{N}}(N-12) + B_{\bar{N}}(3038) + B_{\bar{N}}(N-13) = (N-12) + 3038 + (N-13) = 2N + 3013 (N \geq 3038)$$

$$B_{\bar{N}}(2N+3759) = B_{\bar{N}}(2N+3759 - B_{\bar{N}}(2N+3758)) + B_{\bar{N}}(2N+3759 - B_{\bar{N}}(2N+3757)) + B_{\bar{N}}(2N+3759 - B_{\bar{N}}(2N+3756))$$

$$= B_{\bar{N}}(2N+3759 - (2N+3013)) + B_{\bar{N}}(2N+3759 - (N+3770)) + B_{\bar{N}}(2N+3759 - (2N+720))$$

$$= B_{\bar{N}}(746) + B_{\bar{N}}(N-11) + B_{\bar{N}}(3039) = 746 + (N-11) + 3039 = N + 3774$$

$$(N \ge 3039)$$

$$B_{\bar{N}}(2N+3760) = B_{\bar{N}}(2N+3760-B_{\bar{N}}(2N+3759)) + B_{\bar{N}}(2N+3760-B_{\bar{N}}(2N+3758)) + B_{\bar{N}}(2N+3760-B_{\bar{N}}(2N+3757))$$

$$= B_{\bar{N}}(2N+3760-(N+3774)) + B_{\bar{N}}(2N+3760-(2N+3013)) + B_{\bar{N}}(2N+3760-(N+3770))$$

$$= B_{\bar{N}}(N-14) + B_{\bar{N}}(747) + B_{\bar{N}}(N-10) = (N-14) + 747 + (N-10) = 2N + 723$$

$$(N \ge 747)$$

$$B_{\bar{N}}(2N+3761) = B_{\bar{N}}(2N+3761-B_{\bar{N}}(2N+3760)) + B_{\bar{N}}(2N+3761-B_{\bar{N}}(2N+3759)) + B_{\bar{N}}(2N+3761-B_{\bar{N}}(2N+3758))$$

$$= B_{\bar{N}}(2N+3761-(2N+723)) + B_{\bar{N}}(2N+3761-(N+3774)) + B_{\bar{N}}(2N+3761-(2N+3013))$$

$$= B_{\bar{N}}(3038) + B_{\bar{N}}(N-13) + B_{\bar{N}}(748) = 3038 + (N-13) + 748 = N + 3773$$

$$(N > 3038)$$

$$B_{\bar{N}}(2N+3762) = B_{\bar{N}}(2N+3762-B_{\bar{N}}(2N+3761)) + B_{\bar{N}}(2N+3762-B_{\bar{N}}(2N+3760)) + B_{\bar{N}}(2N+3762-B_{\bar{N}}(2N+3759))$$

$$= B_{\bar{N}}(2N+3762-(N+3773)) + B_{\bar{N}}(2N+3762-(2N+723)) + B_{\bar{N}}(2N+3762-(N+3774))$$

$$= B_{\bar{N}}(N-11) + B_{\bar{N}}(3039) + B_{\bar{N}}(N-12) = (N-11) + 3039 + (N-12) = 2N + 3016$$

$$(N \ge 3039)$$

$$B_{\bar{N}}(2N+3763) = B_{\bar{N}}(2N+3763-B_{\bar{N}}(2N+3762)) + B_{\bar{N}}(2N+3763-B_{\bar{N}}(2N+3761)) + B_{\bar{N}}(2N+3763-B_{\bar{N}}(2N+3760))$$

$$= B_{\bar{N}}(2N+3763-(2N+3016)) + B_{\bar{N}}(2N+3763-(N+3773)) + B_{\bar{N}}(2N+3763-(2N+723))$$

$$= B_{\bar{N}}(747) + B_{\bar{N}}(N-10) + B_{\bar{N}}(3040) = 747 + (N-10) + 3040 = N + 3777$$

$$(N \ge 3040)$$

$$B_{\bar{N}}(2N+3764) = B_{\bar{N}}(2N+3764-B_{\bar{N}}(2N+3763)) + B_{\bar{N}}(2N+3764-B_{\bar{N}}(2N+3762)) + B_{\bar{N}}(2N+3764-B_{\bar{N}}(2N+3761))$$

$$= B_{\bar{N}}(2N+3764-(N+3777)) + B_{\bar{N}}(2N+3764-(2N+3016)) + B_{\bar{N}}(2N+3764-(N+3773))$$

$$= B_{\bar{N}}(N-13) + B_{\bar{N}}(748) + B_{\bar{N}}(N-9) = (N-13) + 748 + (N-9) = 2N + 726$$

$$(N \ge 748)$$

$$B_{\bar{N}}(2N+3765) = B_{\bar{N}}(2N+3765-B_{\bar{N}}(2N+3764)) + B_{\bar{N}}(2N+3765-B_{\bar{N}}(2N+3763)) + B_{\bar{N}}(2N+3765-B_{\bar{N}}(2N+3762))$$

$$= B_{\bar{N}}(2N+3765-(2N+726)) + B_{\bar{N}}(2N+3765-(N+3777)) + B_{\bar{N}}(2N+3765-(2N+3016))$$

$$= B_{\bar{N}}(3039) + B_{\bar{N}}(N-12) + B_{\bar{N}}(749) = 3039 + (N-12) + 749 = N + 3776$$

$$(N \ge 3039)$$

$$B_{\bar{N}}(2N+3766) = B_{\bar{N}}(2N+3766-B_{\bar{N}}(2N+3765)) + B_{\bar{N}}(2N+3766-B_{\bar{N}}(2N+3764)) + B_{\bar{N}}(2N+3766-B_{\bar{N}}(2N+3763))$$

$$= B_{\bar{N}}(2N+3766-(N+3776)) + B_{\bar{N}}(2N+3766-(2N+726)) + B_{\bar{N}}(2N+3766-(N+3777))$$

$$= B_{\bar{N}}(N-10) + B_{\bar{N}}(3040) + B_{\bar{N}}(N-11) = (N-10) + 3040 + (N-11) = 2N + 3019$$

$$(N \ge 3040)$$

$$B_{\bar{N}}(2N+3767) = B_{\bar{N}}(2N+3767-B_{\bar{N}}(2N+3766)) + B_{\bar{N}}(2N+3767-B_{\bar{N}}(2N+3765)) + B_{\bar{N}}(2N+3767-B_{\bar{N}}(2N+3764))$$

$$= B_{\bar{N}}(2N+3767-(2N+3019)) + B_{\bar{N}}(2N+3767-(N+3776)) + B_{\bar{N}}(2N+3767-(2N+726))$$

$$= B_{\bar{N}}(748) + B_{\bar{N}}(N-9) + B_{\bar{N}}(3041) = 748 + (N-9) + 3041 = N + 3780$$

$$(N \ge 3041)$$

$$B_{\bar{N}}(2N+3768) = B_{\bar{N}}(2N+3768-B_{\bar{N}}(2N+3767)) + B_{\bar{N}}(2N+3768-B_{\bar{N}}(2N+3766)) + B_{\bar{N}}(2N+3768-B_{\bar{N}}(2N+3765)) = B_{\bar{N}}(2N+3768-(N+3780)) + B_{\bar{N}}(2N+3768-(2N+3019)) + B_{\bar{N}}(2N+3768-(N+3776)) = B_{\bar{N}}(N-12) + B_{\bar{N}}(749) + B_{\bar{N}}(N-8) = (N-12) + 749 + (N-8) = 2N + 729 (N \ge 749)$$

$$B_{\bar{N}}(2N+3769) = B_{\bar{N}}(2N+3769 - B_{\bar{N}}(2N+3768)) + B_{\bar{N}}(2N+3769 - B_{\bar{N}}(2N+3767)) + B_{\bar{N}}(2N+3769 - B_{\bar{N}}(2N+3766))$$

$$= B_{\bar{N}}(2N+3769 - (2N+729)) + B_{\bar{N}}(2N+3769 - (N+3780)) + B_{\bar{N}}(2N+3769 - (2N+3019))$$

$$= B_{\bar{N}}(3040) + B_{\bar{N}}(N-11) + B_{\bar{N}}(750) = 3040 + (N-11) + 750 = N + 3779$$

$$(N \ge 3040)$$

$$B_{\bar{N}}(2N+3770) = B_{\bar{N}}(2N+3770 - B_{\bar{N}}(2N+3769)) + B_{\bar{N}}(2N+3770 - B_{\bar{N}}(2N+3768)) + B_{\bar{N}}(2N+3770 - B_{\bar{N}}(2N+3767))$$

$$= B_{\bar{N}}(2N+3770 - (N+3779)) + B_{\bar{N}}(2N+3770 - (2N+729)) + B_{\bar{N}}(2N+3770 - (N+3780))$$

$$= B_{\bar{N}}(N-9) + B_{\bar{N}}(3041) + B_{\bar{N}}(N-10) = (N-9) + 3041 + (N-10) = 2N + 3022$$

$$(N \ge 3041)$$

$$B_{\bar{N}}(2N+3771) = B_{\bar{N}}(2N+3771-B_{\bar{N}}(2N+3770)) + B_{\bar{N}}(2N+3771-B_{\bar{N}}(2N+3769)) + B_{\bar{N}}(2N+3771-B_{\bar{N}}(2N+3768))$$

$$= B_{\bar{N}}(2N+3771-(2N+3022)) + B_{\bar{N}}(2N+3771-(N+3779)) + B_{\bar{N}}(2N+3771-(2N+729))$$

$$= B_{\bar{N}}(749) + B_{\bar{N}}(N-8) + B_{\bar{N}}(3042) = 749 + (N-8) + 3042 = N + 3783$$

$$(N \ge 3042)$$

$$B_{\bar{N}}(2N+3772) = B_{\bar{N}}(2N+3772 - B_{\bar{N}}(2N+3771)) + B_{\bar{N}}(2N+3772 - B_{\bar{N}}(2N+3770)) + B_{\bar{N}}(2N+3772 - B_{\bar{N}}(2N+3769))$$

$$= B_{\bar{N}}(2N+3772 - (N+3783)) + B_{\bar{N}}(2N+3772 - (2N+3022)) + B_{\bar{N}}(2N+3772 - (N+3779))$$

$$= B_{\bar{N}}(N-11) + B_{\bar{N}}(750) + B_{\bar{N}}(N-7) = (N-11) + 750 + (N-7) = 2N + 732$$

$$(N \ge 750)$$

$$B_{\bar{N}}(2N+3773) = B_{\bar{N}}(2N+3773 - B_{\bar{N}}(2N+3772)) + B_{\bar{N}}(2N+3773 - B_{\bar{N}}(2N+3771)) + B_{\bar{N}}(2N+3773 - B_{\bar{N}}(2N+3770))$$

$$= B_{\bar{N}}(2N+3773 - (2N+732)) + B_{\bar{N}}(2N+3773 - (N+3783)) + B_{\bar{N}}(2N+3773 - (2N+3022))$$

$$= B_{\bar{N}}(3041) + B_{\bar{N}}(N-10) + B_{\bar{N}}(751) = 3041 + (N-10) + 751 = N + 3782$$

$$(N \ge 3041)$$

$$B_{\bar{N}}(2N+3774) = B_{\bar{N}}(2N+3774 - B_{\bar{N}}(2N+3773)) + B_{\bar{N}}(2N+3774 - B_{\bar{N}}(2N+3772)) + B_{\bar{N}}(2N+3774 - B_{\bar{N}}(2N+3771))$$

$$= B_{\bar{N}}(2N+3774 - (N+3782)) + B_{\bar{N}}(2N+3774 - (2N+732)) + B_{\bar{N}}(2N+3774 - (N+3783))$$

$$= B_{\bar{N}}(N-8) + B_{\bar{N}}(3042) + B_{\bar{N}}(N-9) = (N-8) + 3042 + (N-9) = 2N + 3025$$

$$(N \ge 3042)$$

$$B_{\bar{N}}(2N+3775) = B_{\bar{N}}(2N+3775 - B_{\bar{N}}(2N+3774)) + B_{\bar{N}}(2N+3775 - B_{\bar{N}}(2N+3773)) + B_{\bar{N}}(2N+3775 - B_{\bar{N}}(2N+3775))$$

$$= B_{\bar{N}}(2N+3775 - (2N+3025)) + B_{\bar{N}}(2N+3775 - (N+3782)) + B_{\bar{N}}(2N+3775 - (2N+732))$$

$$= B_{\bar{N}}(750) + B_{\bar{N}}(N-7) + B_{\bar{N}}(3043) = 750 + (N-7) + 3043 = N + 3786$$

$$(N \ge 3043)$$

$$B_{\bar{N}}(2N+3776) = B_{\bar{N}}(2N+3776 - B_{\bar{N}}(2N+3775)) + B_{\bar{N}}(2N+3776 - B_{\bar{N}}(2N+3774)) + B_{\bar{N}}(2N+3776 - B_{\bar{N}}(2N+3776))$$

$$= B_{\bar{N}}(2N+3776 - (N+3786)) + B_{\bar{N}}(2N+3776 - (2N+3025)) + B_{\bar{N}}(2N+3776 - (N+3782))$$

$$= B_{\bar{N}}(N-10) + B_{\bar{N}}(751) + B_{\bar{N}}(N-6) = (N-10) + 751 + (N-6) = 2N + 735$$

$$(N \ge 751)$$

$$B_{\bar{N}}(2N+3777) = B_{\bar{N}}(2N+3777 - B_{\bar{N}}(2N+3776)) + B_{\bar{N}}(2N+3777 - B_{\bar{N}}(2N+3775)) + B_{\bar{N}}(2N+3777 - B_{\bar{N}}(2N+3774))$$

$$= B_{\bar{N}}(2N+3777 - (2N+735)) + B_{\bar{N}}(2N+3777 - (N+3786)) + B_{\bar{N}}(2N+3777 - (2N+3025))$$

$$= B_{\bar{N}}(3042) + B_{\bar{N}}(N-9) + B_{\bar{N}}(752) = 3042 + (N-9) + 752 = N + 3785$$

$$(N > 3042)$$

$$B_{\bar{N}}(2N+3778) = B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3777)) + B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3776)) + B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+3778-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+3$$

$$B_{\bar{N}}(2N+3779) = B_{\bar{N}}(2N+3779 - B_{\bar{N}}(2N+3778)) + B_{\bar{N}}(2N+3779 - B_{\bar{N}}(2N+3777)) + B_{\bar{N}}(2N+3779 - B_{\bar{N}}(2N+379 - B_{$$

$$B_{\bar{N}}(2N+3780) = B_{\bar{N}}(2N+3780 - B_{\bar{N}}(2N+3779)) + B_{\bar{N}}(2N+3780 - B_{\bar{N}}(2N+3778)) + B_{\bar{N}}(2N+3780 - B_{\bar{N}}(2N+3780 - B_{\bar{N}}(2N+3780)) + B_{\bar{N}}(2N+3780 - (N+3789)) + B_{\bar{N}}(2N+3780 - (N+3785)) + B_{\bar{N}}(2N+3780 - (N+3785)) + B_{\bar{N}}(N-9) + B_{\bar{N}}(752) + B_{\bar{N}}(N-5) = (N-9) + 752 + (N-5) = 2N + 738$$

$$(N \ge 752)$$

$$B_{\bar{N}}(2N+3781) = B_{\bar{N}}(2N+3781-B_{\bar{N}}(2N+3780)) + B_{\bar{N}}(2N+3781-B_{\bar{N}}(2N+3779)) + B_{\bar{N}}(2N+3781-B_{\bar{N}}(2N+3778))$$

$$= B_{\bar{N}}(2N+3781-(2N+738)) + B_{\bar{N}}(2N+3781-(N+3789)) + B_{\bar{N}}(2N+3781-(2N+3028))$$

$$= B_{\bar{N}}(3043) + B_{\bar{N}}(N-8) + B_{\bar{N}}(753) = 3043 + (N-8) + 753 = N + 3788$$

$$(N \ge 3043)$$

$$B_{\bar{N}}(2N+3782) = B_{\bar{N}}(2N+3782-B_{\bar{N}}(2N+3781)) + B_{\bar{N}}(2N+3782-B_{\bar{N}}(2N+3780)) + B_{\bar{N}}(2N+3782-B_{\bar{N}}(2N+3779))$$

$$= B_{\bar{N}}(2N+3782-(N+3788)) + B_{\bar{N}}(2N+3782-(2N+738)) + B_{\bar{N}}(2N+3782-(N+3789))$$

$$= B_{\bar{N}}(N-6) + B_{\bar{N}}(3044) + B_{\bar{N}}(N-7) = (N-6) + 3044 + (N-7) = 2N + 3031$$

$$(N \ge 3044)$$

$$B_{\bar{N}}(2N+3783) = B_{\bar{N}}(2N+3783-B_{\bar{N}}(2N+3782)) + B_{\bar{N}}(2N+3783-B_{\bar{N}}(2N+3781)) + B_{\bar{N}}(2N+3783-B_{\bar{N}}(2N+3780))$$

$$= B_{\bar{N}}(2N+3783-(2N+3031)) + B_{\bar{N}}(2N+3783-(N+3788)) + B_{\bar{N}}(2N+3783-(2N+738))$$

$$= B_{\bar{N}}(752) + B_{\bar{N}}(N-5) + B_{\bar{N}}(3045) = 752 + (N-5) + 3045 = N + 3792$$

$$(N \ge 3045)$$

$$B_{\bar{N}}(2N+3784) = B_{\bar{N}}(2N+3784-B_{\bar{N}}(2N+3783)) + B_{\bar{N}}(2N+3784-B_{\bar{N}}(2N+3782)) + B_{\bar{N}}(2N+3784-B_{\bar{N}}(2N+3781))$$

$$= B_{\bar{N}}(2N+3784-(N+3792)) + B_{\bar{N}}(2N+3784-(2N+3031)) + B_{\bar{N}}(2N+3784-(N+3788))$$

$$= B_{\bar{N}}(N-8) + B_{\bar{N}}(753) + B_{\bar{N}}(N-4) = (N-8) + 753 + (N-4) = 2N + 741$$

$$(N \ge 753)$$

$$B_{\bar{N}}(2N+3785) = B_{\bar{N}}(2N+3785-B_{\bar{N}}(2N+3784)) + B_{\bar{N}}(2N+3785-B_{\bar{N}}(2N+3783)) + B_{\bar{N}}(2N+3785-B_{\bar{N}}(2N+3782))$$

$$= B_{\bar{N}}(2N+3785-(2N+741)) + B_{\bar{N}}(2N+3785-(N+3792)) + B_{\bar{N}}(2N+3785-(2N+3031))$$

$$= B_{\bar{N}}(3044) + B_{\bar{N}}(N-7) + B_{\bar{N}}(754) = 3044 + (N-7) + 754 = N + 3791$$

$$(N \ge 3044)$$

$$B_{\bar{N}}(2N+3786) = B_{\bar{N}}(2N+3786-B_{\bar{N}}(2N+3785)) + B_{\bar{N}}(2N+3786-B_{\bar{N}}(2N+3784)) + B_{\bar{N}}(2N+3786-B_{\bar{N}}(2N+3783))$$

$$= B_{\bar{N}}(2N+3786-(N+3791)) + B_{\bar{N}}(2N+3786-(2N+741)) + B_{\bar{N}}(2N+3786-(N+3792))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(3045) + B_{\bar{N}}(N-6) = (N-5) + 3045 + (N-6) = 2N + 3034$$

$$(N \ge 3045)$$

$$B_{\bar{N}}(2N+3787) = B_{\bar{N}}(2N+3787 - B_{\bar{N}}(2N+3786)) + B_{\bar{N}}(2N+3787 - B_{\bar{N}}(2N+3785)) + B_{\bar{N}}(2N+3787 - B_{\bar{N}}(2N+3784))$$

$$= B_{\bar{N}}(2N+3787 - (2N+3034)) + B_{\bar{N}}(2N+3787 - (N+3791)) + B_{\bar{N}}(2N+3787 - (2N+741))$$

$$= B_{\bar{N}}(753) + B_{\bar{N}}(N-4) + B_{\bar{N}}(3046) = 753 + (N-4) + 3046 = N + 3795$$

$$(N > 3046)$$

$$B_{\bar{N}}(2N+3788) = B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3787)) + B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3786)) + B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2N+3788-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3789) = B_{\bar{N}}(2N+3789 - B_{\bar{N}}(2N+3788)) + B_{\bar{N}}(2N+3789 - B_{\bar{N}}(2N+3787)) + B_{\bar{N}}(2N+3789 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3790) = B_{\bar{N}}(2N+3790 - B_{\bar{N}}(2N+3789)) + B_{\bar{N}}(2N+3790 - B_{\bar{N}}(2N+3788)) + B_{\bar{N}}(2N+3790 - B_{\bar{N}}(2N+3787))$$

$$= B_{\bar{N}}(2N+3790 - (N+3794)) + B_{\bar{N}}(2N+3790 - (2N+744)) + B_{\bar{N}}(2N+3790 - (N+3795))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(3046) + B_{\bar{N}}(N-5) = (N-4) + 3046 + (N-5) = 2N + 3037$$

$$(N \ge 3046)$$

$$B_{\bar{N}}(2N+3791) = B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3790)) + B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791)) + B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2N+3791-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3792) = B_{\bar{N}}(2N+3792-B_{\bar{N}}(2N+3791)) + B_{\bar{N}}(2N+3792-B_{\bar{N}}(2N+3790)) + B_{\bar{N}}(2N+3792-B_{\bar{N}}(2N+3789))$$

$$= B_{\bar{N}}(2N+3792-(N+3798)) + B_{\bar{N}}(2N+3792-(2N+3037)) + B_{\bar{N}}(2N+3792-(N+3794))$$

$$= B_{\bar{N}}(N-6) + B_{\bar{N}}(755) + B_{\bar{N}}(N-2) = (N-6) + 755 + (N-2) = 2N + 747$$

$$(N \ge 755)$$

$$B_{\bar{N}}(2N+3793) = B_{\bar{N}}(2N+3793-B_{\bar{N}}(2N+3792)) + B_{\bar{N}}(2N+3793-B_{\bar{N}}(2N+3791)) + B_{\bar{N}}(2N+3793-B_{\bar{N}}(2N+3790))$$

$$= B_{\bar{N}}(2N+3793-(2N+747)) + B_{\bar{N}}(2N+3793-(N+3798)) + B_{\bar{N}}(2N+3793-(2N+3037))$$

$$= B_{\bar{N}}(3046) + B_{\bar{N}}(N-5) + B_{\bar{N}}(756) = 3046 + (N-5) + 756 = N + 3797$$

$$(N \ge 3046)$$

$$B_{\bar{N}}(2N+3794) = B_{\bar{N}}(2N+3794-B_{\bar{N}}(2N+3793)) + B_{\bar{N}}(2N+3794-B_{\bar{N}}(2N+3792)) + B_{\bar{N}}(2N+3794-B_{\bar{N}}(2N+3791))$$

$$= B_{\bar{N}}(2N+3794-(N+3797)) + B_{\bar{N}}(2N+3794-(2N+747)) + B_{\bar{N}}(2N+3794-(N+3798))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(3047) + B_{\bar{N}}(N-4) = (N-3) + 3047 + (N-4) = 2N + 3040$$

$$(N \ge 3047)$$

$$B_{\bar{N}}(2N+3795) = B_{\bar{N}}(2N+3795-B_{\bar{N}}(2N+3794)) + B_{\bar{N}}(2N+3795-B_{\bar{N}}(2N+3793)) + B_{\bar{N}}(2N+3795-B_{\bar{N}}(2N+3795))$$

$$= B_{\bar{N}}(2N+3795-(2N+3040)) + B_{\bar{N}}(2N+3795-(N+3797)) + B_{\bar{N}}(2N+3795-(2N+747))$$

$$= B_{\bar{N}}(755) + B_{\bar{N}}(N-2) + B_{\bar{N}}(3048) = 755 + (N-2) + 3048 = N + 3801$$

$$(N \ge 3048)$$

$$B_{\bar{N}}(2N+3796) = B_{\bar{N}}(2N+3796-B_{\bar{N}}(2N+3795)) + B_{\bar{N}}(2N+3796-B_{\bar{N}}(2N+3794)) + B_{\bar{N}}(2N+3796-B_{\bar{N}}(2N+3793))$$

$$= B_{\bar{N}}(2N+3796-(N+3801)) + B_{\bar{N}}(2N+3796-(2N+3040)) + B_{\bar{N}}(2N+3796-(N+3797))$$

$$= B_{\bar{N}}(N-5) + B_{\bar{N}}(756) + B_{\bar{N}}(N-1) = (N-5) + 756 + (N-1) = 2N + 750$$

$$(N \ge 756)$$

$$B_{\bar{N}}(2N+3797) = B_{\bar{N}}(2N+3797-B_{\bar{N}}(2N+3796)) + B_{\bar{N}}(2N+3797-B_{\bar{N}}(2N+3795)) + B_{\bar{N}}(2N+3797-B_{\bar{N}}(2N+3794))$$

$$= B_{\bar{N}}(2N+3797-(2N+750)) + B_{\bar{N}}(2N+3797-(N+3801)) + B_{\bar{N}}(2N+3797-(2N+3040))$$

$$= B_{\bar{N}}(3047) + B_{\bar{N}}(N-4) + B_{\bar{N}}(757) = 3047 + (N-4) + 757 = N + 3800$$

$$(N \ge 3047)$$

$$B_{\bar{N}}(2N+3798) = B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3797)) + B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3796)) + B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2N+3798-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3799) = B_{\bar{N}}(2N+3799 - B_{\bar{N}}(2N+3798)) + B_{\bar{N}}(2N+3799 - B_{\bar{N}}(2N+3797)) + B_{\bar{N}}(2N+3799 - B_{\bar{N}}(2N+3796))$$

$$= B_{\bar{N}}(2N+3799 - (2N+3043)) + B_{\bar{N}}(2N+3799 - (N+3800)) + B_{\bar{N}}(2N+3799 - (2N+750))$$

$$= B_{\bar{N}}(756) + B_{\bar{N}}(N-1) + B_{\bar{N}}(3049) = 756 + (N-1) + 3049 = N + 3804$$

$$(N \ge 3049)$$

$$B_{\bar{N}}(2N+3800) = B_{\bar{N}}(2N+3800-B_{\bar{N}}(2N+3799)) + B_{\bar{N}}(2N+3800-B_{\bar{N}}(2N+3798)) + B_{\bar{N}}(2N+3800-B_{\bar{N}}(2N+3797))$$

$$= B_{\bar{N}}(2N+3800-(N+3804)) + B_{\bar{N}}(2N+3800-(2N+3043)) + B_{\bar{N}}(2N+3800-(N+3800))$$

$$= B_{\bar{N}}(N-4) + B_{\bar{N}}(757) + B_{\bar{N}}(N) = (N-4) + 757 + N = 2N + 753$$

$$(N \ge 757)$$

$$B_{\bar{N}}(2N+3801) = B_{\bar{N}}(2N+3801 - B_{\bar{N}}(2N+3800)) + B_{\bar{N}}(2N+3801 - B_{\bar{N}}(2N+3799)) + B_{\bar{N}}(2N+3801 - B_{\bar{N}}(2N+3798))$$

$$= B_{\bar{N}}(2N+3801 - (2N+753)) + B_{\bar{N}}(2N+3801 - (N+3804)) + B_{\bar{N}}(2N+3801 - (2N+3043))$$

$$= B_{\bar{N}}(3048) + B_{\bar{N}}(N-3) + B_{\bar{N}}(758) = 3048 + (N-3) + 758 = N + 3803$$

$$(N \ge 3048)$$

$$B_{\bar{N}}(2N+3802) = B_{\bar{N}}(2N+3802-B_{\bar{N}}(2N+3801)) + B_{\bar{N}}(2N+3802-B_{\bar{N}}(2N+3800)) + B_{\bar{N}}(2N+3802-B_{\bar{N}}(2N+3799))$$

$$= B_{\bar{N}}(2N+3802-(N+3803)) + B_{\bar{N}}(2N+3802-(2N+753)) + B_{\bar{N}}(2N+3802-(N+3804))$$

$$= B_{\bar{N}}(N-1) + B_{\bar{N}}(3049) + B_{\bar{N}}(N-2) = (N-1) + 3049 + (N-2) = 2N + 3046$$

$$(N \ge 3049)$$

$$B_{\bar{N}}(2N+3803) = B_{\bar{N}}(2N+3803-B_{\bar{N}}(2N+3802)) + B_{\bar{N}}(2N+3803-B_{\bar{N}}(2N+3801)) + B_{\bar{N}}(2N+3803-B_{\bar{N}}(2N+3803)) + B_{\bar{N}}(2N+3803-(2N+3803)) + B_{\bar{N}}(2N+3803-(2N+753)) + B_{\bar{N}}(757) + B_{\bar{N}}(N) + B_{\bar{N}}(3050) = 757 + N + 3050 = N + 3807$$

$$(N \ge 3050)$$

$$B_{\bar{N}}(2N+3804) = B_{\bar{N}}(2N+3804-B_{\bar{N}}(2N+3803)) + B_{\bar{N}}(2N+3804-B_{\bar{N}}(2N+3802)) + B_{\bar{N}}(2N+3804-B_{\bar{N}}(2N+3801)) = B_{\bar{N}}(2N+3804-(N+3807)) + B_{\bar{N}}(2N+3804-(2N+3046)) + B_{\bar{N}}(2N+3804-(N+3803)) = B_{\bar{N}}(N-3) + B_{\bar{N}}(758) + B_{\bar{N}}(N+1) = (N-3) + 758 + 6 = N + 761 (N \ge 758)$$

$$B_{\bar{N}}(2N+3805) = B_{\bar{N}}(2N+3805 - B_{\bar{N}}(2N+3804)) + B_{\bar{N}}(2N+3805 - B_{\bar{N}}(2N+3803)) + B_{\bar{N}}(2N+3805 - B_{\bar{N}}(2N+3805))$$

$$= B_{\bar{N}}(2N+3805 - (N+761)) + B_{\bar{N}}(2N+3805 - (N+3807)) + B_{\bar{N}}(2N+3805 - (2N+3046))$$

$$= B_{\bar{N}}(N+3044) + B_{\bar{N}}(N-2) + B_{\bar{N}}(759) = (N-2) + (N-2) + 759 = 2N + 755$$

$$(N \ge 759)$$

$$B_{\bar{N}}(2N+3806) = B_{\bar{N}}(2N+3806-B_{\bar{N}}(2N+3805)) + B_{\bar{N}}(2N+3806-B_{\bar{N}}(2N+3804)) + B_{\bar{N}}(2N+3806-B_{\bar{N}}(2N+3803))$$

$$= B_{\bar{N}}(2N+3806-(2N+755)) + B_{\bar{N}}(2N+3806-(N+761)) + B_{\bar{N}}(2N+3806-(N+3807))$$

$$= B_{\bar{N}}(3051) + B_{\bar{N}}(N+3045) + B_{\bar{N}}(N-1) = 3051 + 3047 + (N-1) = N + 6097$$

$$(N \ge 3051)$$

$$B_{\bar{N}}(2N+3807) = B_{\bar{N}}(2N+3807 - B_{\bar{N}}(2N+3806)) + B_{\bar{N}}(2N+3807 - B_{\bar{N}}(2N+3805)) + B_{\bar{N}}(2N+3807 - B_{\bar{N}}(2N+3804))$$

$$= B_{\bar{N}}(2N+3807 - (N+6097)) + B_{\bar{N}}(2N+3807 - (2N+755)) + B_{\bar{N}}(2N+3807 - (N+761))$$

$$= B_{\bar{N}}(N-2290) + B_{\bar{N}}(3052) + B_{\bar{N}}(N+3046) = (N-2290) + 3052 + (N+3047) = 2N+3809$$

$$(N \ge 3052)$$

$$B_{\bar{N}}(2N+3808) = B_{\bar{N}}(2N+3808-B_{\bar{N}}(2N+3807)) + B_{\bar{N}}(2N+3808-B_{\bar{N}}(2N+3806)) + B_{\bar{N}}(2N+3808-B_{\bar{N}}(2N+3805)) = B_{\bar{N}}(2N+3808-(2N+3809)) + B_{\bar{N}}(2N+3808-(N+6097)) + B_{\bar{N}}(2N+3808-(2N+755)) = B_{\bar{N}}(-1) + B_{\bar{N}}(N-2289) + B_{\bar{N}}(3053) = 0 + (N-2289) + 3053 = N + 764 (N \ge 3053)$$

$$B_{\bar{N}}(2N+3809) = B_{\bar{N}}(2N+3809 - B_{\bar{N}}(2N+3808)) + B_{\bar{N}}(2N+3809 - B_{\bar{N}}(2N+3807)) + B_{\bar{N}}(2N+3809 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3810) = B_{\bar{N}}(2N+3810-B_{\bar{N}}(2N+3809)) + B_{\bar{N}}(2N+3810-B_{\bar{N}}(2N+3808)) + B_{\bar{N}}(2N+3810-B_{\bar{N}}(2N+3807))$$

$$= B_{\bar{N}}(2N+3810-(N+759)) + B_{\bar{N}}(2N+3810-(N+764)) + B_{\bar{N}}(2N+3810-(2N+3809))$$

$$= B_{\bar{N}}(N+3051) + B_{\bar{N}}(N+3046) + B_{\bar{N}}(1) = (N-2) + (N+3047) + 1 = 2N + 3046$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3811) = B_{\bar{N}}(2N+3811-B_{\bar{N}}(2N+3810)) + B_{\bar{N}}(2N+3811-B_{\bar{N}}(2N+3809)) + B_{\bar{N}}(2N+3811-B_{\bar{N}}(2N+3808))$$

$$= B_{\bar{N}}(2N+3811-(2N+3046)) + B_{\bar{N}}(2N+3811-(N+759)) + B_{\bar{N}}(2N+3811-(N+764))$$

$$= B_{\bar{N}}(765) + B_{\bar{N}}(N+3052) + B_{\bar{N}}(N+3047) = 765 + 3054 + (N+3049) = N + 6868$$

$$(N \ge 765)$$

$$B_{\bar{N}}(2N+3812) = B_{\bar{N}}(2N+3812-B_{\bar{N}}(2N+3811)) + B_{\bar{N}}(2N+3812-B_{\bar{N}}(2N+3810)) + B_{\bar{N}}(2N+3812-B_{\bar{N}}(2N+3809))$$

$$= B_{\bar{N}}(2N+3812-(N+6868)) + B_{\bar{N}}(2N+3812-(2N+3046)) + B_{\bar{N}}(2N+3812-(N+759))$$

$$= B_{\bar{N}}(N-3056) + B_{\bar{N}}(766) + B_{\bar{N}}(N+3053) = (N-3056) + 766 + (N+3054) = 2N+764$$

$$(N \ge 3057)$$

$$B_{\bar{N}}(2N+3813) = B_{\bar{N}}(2N+3813 - B_{\bar{N}}(2N+3812)) + B_{\bar{N}}(2N+3813 - B_{\bar{N}}(2N+3811)) + B_{\bar{N}}(2N+3813 - B_{\bar{N}}(2N+3810))$$

$$= B_{\bar{N}}(2N+3813 - (2N+764)) + B_{\bar{N}}(2N+3813 - (N+6868)) + B_{\bar{N}}(2N+3813 - (2N+3046))$$

$$= B_{\bar{N}}(3049) + B_{\bar{N}}(N-3055) + B_{\bar{N}}(767) = 3049 + (N-3055) + 767 = N+761$$

$$(N \ge 3056)$$

$$B_{\bar{N}}(2N+3814) = B_{\bar{N}}(2N+3814-B_{\bar{N}}(2N+3813)) + B_{\bar{N}}(2N+3814-B_{\bar{N}}(2N+3812)) + B_{\bar{N}}(2N+3814-B_{\bar{N}}(2N+3811))$$

$$= B_{\bar{N}}(2N+3814-(N+761)) + B_{\bar{N}}(2N+3814-(2N+764)) + B_{\bar{N}}(2N+3814-(N+6868))$$

$$= B_{\bar{N}}(N+3053) + B_{\bar{N}}(3050) + B_{\bar{N}}(N-3054) = (N+3054) + 3050 + (N-3054) = 2N+3050$$

$$(N \ge 3055)$$

$$B_{\bar{N}}(2N+3815) = B_{\bar{N}}(2N+3815-B_{\bar{N}}(2N+3814)) + B_{\bar{N}}(2N+3815-B_{\bar{N}}(2N+3813)) + B_{\bar{N}}(2N+3815-B_{\bar{N}}(2N+3812))$$

$$= B_{\bar{N}}(2N+3815-(2N+3050)) + B_{\bar{N}}(2N+3815-(N+761)) + B_{\bar{N}}(2N+3815-(2N+764))$$

$$= B_{\bar{N}}(765) + B_{\bar{N}}(N+3054) + B_{\bar{N}}(3051) = 765 + (N+3056) + 3051 = N+6872$$

$$(N \ge 3051)$$

$$\begin{split} B_{\bar{N}}(2N+3816) &= B_{\bar{N}}(2N+3816-B_{\bar{N}}(2N+3815)) + B_{\bar{N}}(2N+3816-B_{\bar{N}}(2N+3814)) + B_{\bar{N}}(2N+3816-B_{\bar{N}}(2N+3813)) \\ &= B_{\bar{N}}(2N+3816-(N+6872)) + B_{\bar{N}}(2N+3816-(2N+3050)) + B_{\bar{N}}(2N+3816-(N+761)) \\ &= B_{\bar{N}}(N-3056) + B_{\bar{N}}(766) + B_{\bar{N}}(N+3055) = (N-3056) + 766 + 7 = N - 2283 \\ &(N > 3057) \end{split}$$

$$B_{\bar{N}}(2N+3817) = B_{\bar{N}}(2N+3817 - B_{\bar{N}}(2N+3816)) + B_{\bar{N}}(2N+3817 - B_{\bar{N}}(2N+3815)) + B_{\bar{N}}(2N+3817 - B_{\bar{N}}(2N+3814))$$

$$= B_{\bar{N}}(2N+3817 - (N-2283)) + B_{\bar{N}}(2N+3817 - (N+6872)) + B_{\bar{N}}(2N+3817 - (2N+3050))$$

$$= B_{\bar{N}}(N+6100) + B_{\bar{N}}(N-3055) + B_{\bar{N}}(767) = 7 + (N-3055) + 767 = N - 2281$$

$$(N > 3056)$$

$$B_{\bar{N}}(2N+3818) = B_{\bar{N}}(2N+3818-B_{\bar{N}}(2N+3817)) + B_{\bar{N}}(2N+3818-B_{\bar{N}}(2N+3816)) + B_{\bar{N}}(2N+3818-B_{\bar{N}}(2N+3815))$$

$$= B_{\bar{N}}(2N+3818-(N-2281)) + B_{\bar{N}}(2N+3818-(N-2283)) + B_{\bar{N}}(2N+3818-(N+6872))$$

$$= B_{\bar{N}}(N+6099) + B_{\bar{N}}(N+6101) + B_{\bar{N}}(N-3054) = (N+6101) + (2N+1787) + (N-3054) = 4N+4834$$

$$(N \ge 3055)$$

$$B_{\bar{N}}(2N+3819) = B_{\bar{N}}(2N+3819 - B_{\bar{N}}(2N+3818)) + B_{\bar{N}}(2N+3819 - B_{\bar{N}}(2N+3817)) + B_{\bar{N}}(2N+3819 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3820) = B_{\bar{N}}(2N+3820 - B_{\bar{N}}(2N+3819)) + B_{\bar{N}}(2N+3820 - B_{\bar{N}}(2N+3818)) + B_{\bar{N}}(2N+3820 - B_{\bar{N}}(2N+3817))$$

$$= B_{\bar{N}}(2N+3820 - (2N+871)) + B_{\bar{N}}(2N+3820 - (4N+4834)) + B_{\bar{N}}(2N+3820 - (N-2281))$$

$$= B_{\bar{N}}(2949) + B_{\bar{N}}(-2N-1014) + B_{\bar{N}}(N+6101) = 2949 + 0 + (2N+1787) = 2N+4736$$

$$(N \ge 2949)$$

$$B_{\bar{N}}(2N+3821) = B_{\bar{N}}(2N+3821 - B_{\bar{N}}(2N+3820)) + B_{\bar{N}}(2N+3821 - B_{\bar{N}}(2N+3819)) + B_{\bar{N}}(2N+3821 - B_{\bar{N}}(2N+3818))$$

$$= B_{\bar{N}}(2N+3821 - (2N+4736)) + B_{\bar{N}}(2N+3821 - (2N+871)) + B_{\bar{N}}(2N+3821 - (4N+4834))$$

$$= B_{\bar{N}}(-915) + B_{\bar{N}}(2950) + B_{\bar{N}}(-2N-1013) = 0 + 2950 + 0 = 2950$$

$$(N \ge 2950)$$

$$B_{\bar{N}}(2N+3822) = B_{\bar{N}}(2N+3822-B_{\bar{N}}(2N+3821)) + B_{\bar{N}}(2N+3822-B_{\bar{N}}(2N+3820)) + B_{\bar{N}}(2N+3822-B_{\bar{N}}(2N+3819))$$

$$= B_{\bar{N}}(2N+3822-2950) + B_{\bar{N}}(2N+3822-(2N+4736)) + B_{\bar{N}}(2N+3822-(2N+871))$$

$$= B_{\bar{N}}(2N+872) + B_{\bar{N}}(-914) + B_{\bar{N}}(2951) = (2N-1443) + 0 + 2951 = 2N + 1508$$

$$(N \ge 2951)$$

$$B_{\bar{N}}(2N+3823) = B_{\bar{N}}(2N+3823 - B_{\bar{N}}(2N+3822)) + B_{\bar{N}}(2N+3823 - B_{\bar{N}}(2N+3821)) + B_{\bar{N}}(2N+3823 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3824) = B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3823)) + B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3822)) + B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2N+3824-B_{\bar{N}}(2$$

$$\begin{split} B_{\bar{N}}(2N+3825) &= B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3824)) + B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3823)) + B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}}(2N+3825-B_{\bar{N}$$

$$B_{\bar{N}}(2N+3826) = B_{\bar{N}}(2N+3826-B_{\bar{N}}(2N+3825)) + B_{\bar{N}}(2N+3826-B_{\bar{N}}(2N+3824)) + B_{\bar{N}}(2N+3826-B_{\bar{N}}(2N+3823))$$

$$= B_{\bar{N}}(2N+3826-(N+2220)) + B_{\bar{N}}(2N+3826-(3N+3068)) + B_{\bar{N}}(2N+3826-(N+3922))$$

$$= B_{\bar{N}}(N+1606) + B_{\bar{N}}(-N+758) + B_{\bar{N}}(N-96) = 7+0+(N-96) = N-89$$

$$(N \ge 758)$$

$$B_{\bar{N}}(2N+3827) = B_{\bar{N}}(2N+3827 - B_{\bar{N}}(2N+3826)) + B_{\bar{N}}(2N+3827 - B_{\bar{N}}(2N+3825)) + B_{\bar{N}}(2N+3827 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3828) = B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3827)) + B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3826)) + B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2N+3828-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3829) = B_{\bar{N}}(2N+3829 - B_{\bar{N}}(2N+3828)) + B_{\bar{N}}(2N+3829 - B_{\bar{N}}(2N+3827)) + B_{\bar{N}}(2N+3829 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3830) = B_{\bar{N}}(2N+3830 - B_{\bar{N}}(2N+3829)) + B_{\bar{N}}(2N+3830 - B_{\bar{N}}(2N+3828)) + B_{\bar{N}}(2N+3830 - B_{\bar{N}}(2N+3827))$$

$$= B_{\bar{N}}(2N+3830 - (2N+3871)) + B_{\bar{N}}(2N+3830 - (4N+4703)) + B_{\bar{N}}(2N+3830 - (2N+510))$$

$$= B_{\bar{N}}(-41) + B_{\bar{N}}(-2N-873) + B_{\bar{N}}(3320) = 0 + 0 + 3320 = 3320$$

$$(N \ge 3320)$$

$$B_{\bar{N}}(2N+3831) = B_{\bar{N}}(2N+3831 - B_{\bar{N}}(2N+3830)) + B_{\bar{N}}(2N+3831 - B_{\bar{N}}(2N+3829)) + B_{\bar{N}}(2N+3831 - B_{\bar{N}}(2N+3828))$$

$$= B_{\bar{N}}(2N+3831 - 3320) + B_{\bar{N}}(2N+3831 - (2N+3871)) + B_{\bar{N}}(2N+3831 - (4N+4703))$$

$$= B_{\bar{N}}(2N+511) + B_{\bar{N}}(-40) + B_{\bar{N}}(-2N-872) = (2N+415) + 0 + 0 = 2N+415$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3832) = B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3831)) + B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3830)) + B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2N+3832-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3833) = B_{\bar{N}}(2N+3833 - B_{\bar{N}}(2N+3832)) + B_{\bar{N}}(2N+3833 - B_{\bar{N}}(2N+3831)) + B_{\bar{N}}(2N+3833 - B_{\bar{N}}(2N+3833))$$

$$= B_{\bar{N}}(2N+3833 - (N+3942)) + B_{\bar{N}}(2N+3833 - (2N+415)) + B_{\bar{N}}(2N+3833 - 3320)$$

$$= B_{\bar{N}}(N-109) + B_{\bar{N}}(3418) + B_{\bar{N}}(2N+513) = (N-109) + 3418 + (2N+78) = 3N+3387$$

$$(N \ge 3418)$$

$$B_{\bar{N}}(2N+3834) = B_{\bar{N}}(2N+3834-B_{\bar{N}}(2N+3833)) + B_{\bar{N}}(2N+3834-B_{\bar{N}}(2N+3832)) + B_{\bar{N}}(2N+3834-B_{\bar{N}}(2N+3831))$$

$$= B_{\bar{N}}(2N+3834-(3N+3387)) + B_{\bar{N}}(2N+3834-(N+3942)) + B_{\bar{N}}(2N+3834-(2N+415))$$

$$= B_{\bar{N}}(-N+447) + B_{\bar{N}}(N-108) + B_{\bar{N}}(3419) = 0 + (N-108) + 3419 = N+3311$$

$$(N \ge 3419)$$

$$B_{\bar{N}}(2N+3835) = B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3834)) + B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+3835-B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+38$$

$$B_{\bar{N}}(2N+3836) = B_{\bar{N}}(2N+3836-B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+3836-B_{\bar{N}}(2N+3834)) + B_{\bar{N}}(2N+3836-B_{\bar{N}}(2N+3836))$$

$$= B_{\bar{N}}(2N+3836-(2N-109)) + B_{\bar{N}}(2N+3836-(N+3311)) + B_{\bar{N}}(2N+3836-(3N+3387))$$

$$= B_{\bar{N}}(3945) + B_{\bar{N}}(N+525) + B_{\bar{N}}(-N+449) = 3945 + 527 + 0 = 4472$$

$$(N \ge 3945)$$

$$B_{\bar{N}}(2N+3837) = B_{\bar{N}}(2N+3837 - B_{\bar{N}}(2N+3836)) + B_{\bar{N}}(2N+3837 - B_{\bar{N}}(2N+3835)) + B_{\bar{N}}(2N+3837 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3838) = B_{\bar{N}}(2N+3838-B_{\bar{N}}(2N+3837)) + B_{\bar{N}}(2N+3838-B_{\bar{N}}(2N+3836)) + B_{\bar{N}}(2N+3838-B_{\bar{N}}(2N+3835))$$

$$= B_{\bar{N}}(2N+3838-(2N+3840)) + B_{\bar{N}}(2N+3838-4472) + B_{\bar{N}}(2N+3838-(2N-109))$$

$$= B_{\bar{N}}(-2) + B_{\bar{N}}(2N-634) + B_{\bar{N}}(3947) = 0 + (2N-633) + 3947 = 2N + 3314$$

$$(N \ge 3947)$$

$$B_{\bar{N}}(2N+3839) = B_{\bar{N}}(2N+3839 - B_{\bar{N}}(2N+3838)) + B_{\bar{N}}(2N+3839 - B_{\bar{N}}(2N+3837)) + B_{\bar{N}}(2N+3839 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3840) = B_{\bar{N}}(2N+3840-B_{\bar{N}}(2N+3839)) + B_{\bar{N}}(2N+3840-B_{\bar{N}}(2N+3838)) + B_{\bar{N}}(2N+3840-B_{\bar{N}}(2N+3837))$$

$$= B_{\bar{N}}(2N+3840-(2N-106)) + B_{\bar{N}}(2N+3840-(2N+3314)) + B_{\bar{N}}(2N+3840-(2N+3840))$$

$$= B_{\bar{N}}(3946) + B_{\bar{N}}(526) + B_{\bar{N}}(0) = 3946 + 526 + 0 = 4472$$

$$(N > 3946)$$

$$B_{\bar{N}}(2N+3841) = B_{\bar{N}}(2N+3841 - B_{\bar{N}}(2N+3840)) + B_{\bar{N}}(2N+3841 - B_{\bar{N}}(2N+3839)) + B_{\bar{N}}(2N+3841 - B_{\bar{N}}(2N+3838))$$

$$= B_{\bar{N}}(2N+3841 - 4472) + B_{\bar{N}}(2N+3841 - (2N-106)) + B_{\bar{N}}(2N+3841 - (2N+3314))$$

$$= B_{\bar{N}}(2N-631) + B_{\bar{N}}(3947) + B_{\bar{N}}(527) = \left(\frac{16N}{7} - \frac{955}{7}\right) + 3947 + 527 = \frac{16N}{7} + \frac{30363}{7}$$

$$(N > 3947)$$

$$B_{\bar{N}}(2N+3842) = B_{\bar{N}}(2N+3842 - B_{\bar{N}}(2N+3841)) + B_{\bar{N}}(2N+3842 - B_{\bar{N}}(2N+3840)) + B_{\bar{N}}(2N+3842 - B_{\bar{N}}(2N+3839))$$

$$= B_{\bar{N}}\left(2N+3842 - \left(\frac{16N}{7} + \frac{30363}{7}\right)\right) + B_{\bar{N}}(2N+3842 - 4472) + B_{\bar{N}}(2N+3842 - (2N-106))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} - \frac{3469}{7}\right) + B_{\bar{N}}(2N-630) + B_{\bar{N}}(3948) = 0 + \left(\frac{15N}{7} - \frac{684}{7}\right) + 3948 = \frac{15N}{7} + \frac{26952}{7}$$

$$(N \ge 3948)$$

$$B_{\bar{N}}(2N+3843) = B_{\bar{N}}(2N+3843 - B_{\bar{N}}(2N+3842)) + B_{\bar{N}}(2N+3843 - B_{\bar{N}}(2N+3841)) + B_{\bar{N}}(2N+3843 - B_{\bar{N}}(2N+3843))$$

$$= B_{\bar{N}}\left(2N+3843 - \left(\frac{15N}{7} + \frac{26952}{7}\right)\right) + B_{\bar{N}}\left(2N+3843 - \left(\frac{16N}{7} + \frac{30363}{7}\right)\right) + B_{\bar{N}}(2N+3843 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} - \frac{51}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} - \frac{3462}{7}\right) + B_{\bar{N}}(2N-629) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 696)$$

$$B_{\bar{N}}(2N+3844) = B_{\bar{N}}(2N+3844 - B_{\bar{N}}(2N+3843)) + B_{\bar{N}}(2N+3844 - B_{\bar{N}}(2N+3842)) + B_{\bar{N}}(2N+3844 - B_{\bar{N}}(2N+3841))$$

$$= B_{\bar{N}}(2N+3844 - (N-2)) + B_{\bar{N}}\left(2N+3844 - \left(\frac{15N}{7} + \frac{26952}{7}\right)\right) + B_{\bar{N}}\left(2N+3844 - \left(\frac{16N}{7} + \frac{30363}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3846) + B_{\bar{N}}\left(-\frac{N}{7} - \frac{44}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} - \frac{3455}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3845) = B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3844)) + B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3845)) + B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3845)) + B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3845 - B_{\bar{N}}(2N+3845)) + B_{\bar{N}}(2N+3845) + B_{\bar{N$$

$$B_{\bar{N}}(2N+3846) = B_{\bar{N}}(2N+3846-B_{\bar{N}}(2N+3845)) + B_{\bar{N}}(2N+3846-B_{\bar{N}}(2N+3844)) + B_{\bar{N}}(2N+3846-B_{\bar{N}}(2N+3846))$$

$$= B_{\bar{N}}(2N+3846-(4N+4457)) + B_{\bar{N}}(2N+3846-7) + B_{\bar{N}}(2N+3846-(N-2))$$

$$= B_{\bar{N}}(-2N-611) + B_{\bar{N}}(2N+3839) + B_{\bar{N}}(N+3848) = 0 + (2N-106) + (2N+542) = 4N+436$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3847) = B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3846)) + B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3845)) + B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2N+3847-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3848) = B_{\bar{N}}(2N+3848 - B_{\bar{N}}(2N+3847)) + B_{\bar{N}}(2N+3848 - B_{\bar{N}}(2N+3846)) + B_{\bar{N}}(2N+3848 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3849) = B_{\bar{N}}(2N+3849 - B_{\bar{N}}(2N+3848)) + B_{\bar{N}}(2N+3849 - B_{\bar{N}}(2N+3847)) + B_{\bar{N}}(2N+3849 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3850) = B_{\bar{N}}(2N+3850 - B_{\bar{N}}(2N+3849)) + B_{\bar{N}}(2N+3850 - B_{\bar{N}}(2N+3848)) + B_{\bar{N}}(2N+3850 - B_{\bar{N}}(2N+3847))$$

$$= B_{\bar{N}}\left(2N+3850 - \left(\frac{15N}{7} - \frac{677}{7}\right)\right) + B_{\bar{N}}\left(2N+3850 - \left(\frac{16N}{7} - \frac{941}{7}\right)\right) + B_{\bar{N}}(2N+3850 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{27627}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27891}{7}\right) + B_{\bar{N}}(2N-622) = 0 + 0 + (N-2) = N-2$$

$$(N > 27627) *$$

$$B_{\bar{N}}(2N+3851) = B_{\bar{N}}(2N+3851 - B_{\bar{N}}(2N+3850)) + B_{\bar{N}}(2N+3851 - B_{\bar{N}}(2N+3849)) + B_{\bar{N}}(2N+3851 - B_{\bar{N}}(2N+3848))$$

$$= B_{\bar{N}}(2N+3851 - (N-2)) + B_{\bar{N}}\left(2N+3851 - \left(\frac{15N}{7} - \frac{677}{7}\right)\right) + B_{\bar{N}}\left(2N+3851 - \left(\frac{16N}{7} - \frac{941}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3853) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27634}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27898}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27634) *$$

$$B_{\bar{N}}(2N+3852) = B_{\bar{N}}(2N+3852 - B_{\bar{N}}(2N+3851)) + B_{\bar{N}}(2N+3852 - B_{\bar{N}}(2N+3850)) + B_{\bar{N}}(2N+3852 - B_{\bar{N}}(2N+3849))$$

$$= B_{\bar{N}}(2N+3852-7) + B_{\bar{N}}(2N+3852 - (N-2)) + B_{\bar{N}}\left(2N+3852 - \left(\frac{15N}{7} - \frac{677}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3845) + B_{\bar{N}}(N+3854) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27641}{7}\right) = (4N+4457) + (2N+1145) + 0 = 6N+5602$$

$$(N > 27641) *$$

$$B_{\bar{N}}(2N+3853) = B_{\bar{N}}(2N+3853-B_{\bar{N}}(2N+3852)) + B_{\bar{N}}(2N+3853-B_{\bar{N}}(2N+3851)) + B_{\bar{N}}(2N+3853-B_{\bar{N}}(2N+3850))$$

$$= B_{\bar{N}}(2N+3853-(6N+5602)) + B_{\bar{N}}(2N+3853-7) + B_{\bar{N}}(2N+3853-(N-2))$$

$$= B_{\bar{N}}(-4N-1749) + B_{\bar{N}}(2N+3846) + B_{\bar{N}}(N+3855) = 0 + (4N+436) + (2N+543) = 6N+979$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3854) = B_{\bar{N}}(2N+3854-B_{\bar{N}}(2N+3853)) + B_{\bar{N}}(2N+3854-B_{\bar{N}}(2N+3852)) + B_{\bar{N}}(2N+3854-B_{\bar{N}}(2N+3851))$$

$$= B_{\bar{N}}(2N+3854-(6N+979)) + B_{\bar{N}}(2N+3854-(6N+5602)) + B_{\bar{N}}(2N+3854-7)$$

$$= B_{\bar{N}}(-4N+2875) + B_{\bar{N}}(-4N-1748) + B_{\bar{N}}(2N+3847) = 0 + 0 + 4472 = 4472$$

$$(N \ge 719)$$

$$B_{\bar{N}}(2N+3855) = B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3854)) + B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3855) + B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3855)) + B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3855)) + B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3855)) + B_{\bar{N}}(2N+3855 - B_{\bar{N}}(2N+3855) + B_{\bar{N$$

$$B_{\bar{N}}(2N+3856) = B_{\bar{N}}(2N+3856 - B_{\bar{N}}(2N+3855)) + B_{\bar{N}}(2N+3856 - B_{\bar{N}}(2N+3854)) + B_{\bar{N}}(2N+3856 - B_{\bar{N}}(2N+3856))$$

$$= B_{\bar{N}}\left(2N+3856 - \left(\frac{16N}{7} - \frac{927}{7}\right)\right) + B_{\bar{N}}(2N+3856 - 4472) + B_{\bar{N}}(2N+3856 - (6N+979))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27919}{7}\right) + B_{\bar{N}}(2N-616) + B_{\bar{N}}(-4N+2877) = 0 + \left(\frac{15N}{7} - \frac{670}{7}\right) + 0 = \frac{15N}{7} - \frac{670}{7}$$

$$(N > 13960)$$

$$\begin{split} B_{\bar{N}}(2N+3857) &= B_{\bar{N}}(2N+3857 - B_{\bar{N}}(2N+3856)) + B_{\bar{N}}(2N+3857 - B_{\bar{N}}(2N+3857)) + B_{\bar{N}}(2N+3857 - B_{\bar{N}}(2N+3857)) \\ &= B_{\bar{N}}\bigg(2N+3857 - \bigg(\frac{15N}{7} - \frac{670}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+3857 - \bigg(\frac{16N}{7} - \frac{927}{7}\bigg)\bigg) + B_{\bar{N}}(2N+3857 - 4472) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7} + \frac{27669}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{2N}{7} + \frac{27926}{7}\bigg) + B_{\bar{N}}(2N-615) = 0 + 0 + (N-2) = N-2 \\ &(N \ge 27669) * \end{split}$$

$$B_{\bar{N}}(2N+3858) = B_{\bar{N}}(2N+3858 - B_{\bar{N}}(2N+3857)) + B_{\bar{N}}(2N+3858 - B_{\bar{N}}(2N+3856)) + B_{\bar{N}}(2N+3858 - B_{\bar{N}}(2N+3858))$$

$$= B_{\bar{N}}(2N+3858 - (N-2)) + B_{\bar{N}}\left(2N+3858 - \left(\frac{15N}{7} - \frac{670}{7}\right)\right) + B_{\bar{N}}\left(2N+3858 - \left(\frac{16N}{7} - \frac{927}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3860) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27676}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27933}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27676) *$$

$$B_{\bar{N}}(2N+3859) = B_{\bar{N}}(2N+3859 - B_{\bar{N}}(2N+3858)) + B_{\bar{N}}(2N+3859 - B_{\bar{N}}(2N+3857)) + B_{\bar{N}}(2N+3859 - B_{\bar{N}}(2N+3859))$$

$$= B_{\bar{N}}(2N+3859-7) + B_{\bar{N}}(2N+3859 - (N-2)) + B_{\bar{N}}\left(2N+3859 - \left(\frac{15N}{7} - \frac{670}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3852) + B_{\bar{N}}(N+3861) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27683}{7}\right) = (6N+5602) + (2N+1147) + 0 = 8N+6749$$

$$(N > 27683) *$$

$$\begin{split} B_{\bar{N}}(2N+3860) &= B_{\bar{N}}(2N+3860 - B_{\bar{N}}(2N+3859)) + B_{\bar{N}}(2N+3860 - B_{\bar{N}}(2N+3858)) + B_{\bar{N}}(2N+3860 - B_{\bar{N}}(2N+3857)) \\ &= B_{\bar{N}}(2N+3860 - (8N+6749)) + B_{\bar{N}}(2N+3860 - 7) + B_{\bar{N}}(2N+3860 - (N-2)) \\ &= B_{\bar{N}}(-6N-2889) + B_{\bar{N}}(2N+3853) + B_{\bar{N}}(N+3862) = 0 + (6N+979) + (2N+544) = 8N+1523 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3861) = B_{\bar{N}}(2N+3861-B_{\bar{N}}(2N+3860)) + B_{\bar{N}}(2N+3861-B_{\bar{N}}(2N+3859)) + B_{\bar{N}}(2N+3861-B_{\bar{N}}(2N+3858))$$

$$= B_{\bar{N}}(2N+3861-(8N+1523)) + B_{\bar{N}}(2N+3861-(8N+6749)) + B_{\bar{N}}(2N+3861-7)$$

$$= B_{\bar{N}}(-6N+2338) + B_{\bar{N}}(-6N-2888) + B_{\bar{N}}(2N+3854) = 0 + 0 + 4472 = 4472$$

$$(N > 390)$$

$$B_{\bar{N}}(2N+3862) = B_{\bar{N}}(2N+3862 - B_{\bar{N}}(2N+3861)) + B_{\bar{N}}(2N+3862 - B_{\bar{N}}(2N+3860)) + B_{\bar{N}}(2N+3862 - B_{\bar{N}}(2N+3859))$$

$$= B_{\bar{N}}(2N+3862 - 4472) + B_{\bar{N}}(2N+3862 - (8N+1523)) + B_{\bar{N}}(2N+3862 - (8N+6749))$$

$$= B_{\bar{N}}(2N-610) + B_{\bar{N}}(-6N+2339) + B_{\bar{N}}(-6N-2887) = \left(\frac{16N}{7} - \frac{913}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{913}{7}$$

$$(N \ge 677)$$

$$B_{\bar{N}}(2N+3863) = B_{\bar{N}}(2N+3863 - B_{\bar{N}}(2N+3862)) + B_{\bar{N}}(2N+3863 - B_{\bar{N}}(2N+3861)) + B_{\bar{N}}(2N+3863 - B_{\bar{N}}(2N+3863))$$

$$= B_{\bar{N}}\left(2N+3863 - \left(\frac{16N}{7} - \frac{913}{7}\right)\right) + B_{\bar{N}}(2N+3863 - 4472) + B_{\bar{N}}(2N+3863 - (8N+1523))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27954}{7}\right) + B_{\bar{N}}(2N-609) + B_{\bar{N}}(-6N+2340) = 0 + \left(\frac{15N}{7} - \frac{663}{7}\right) + 0 = \frac{15N}{7} - \frac{663}{7}$$

$$(N \ge 13977)$$

$$B_{\bar{N}}(2N+3864) = B_{\bar{N}}(2N+3864-B_{\bar{N}}(2N+3863)) + B_{\bar{N}}(2N+3864-B_{\bar{N}}(2N+3862)) + B_{\bar{N}}(2N+3864-B_{\bar{N}}(2N+3861))$$

$$= B_{\bar{N}}\left(2N+3864-\left(\frac{15N}{7}-\frac{663}{7}\right)\right) + B_{\bar{N}}\left(2N+3864-\left(\frac{16N}{7}-\frac{913}{7}\right)\right) + B_{\bar{N}}(2N+3864-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{27711}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{27961}{7}\right) + B_{\bar{N}}(2N-608) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 27711) *$$

$$B_{\bar{N}}(2N+3865) = B_{\bar{N}}(2N+3865 - B_{\bar{N}}(2N+3864)) + B_{\bar{N}}(2N+3865 - B_{\bar{N}}(2N+3863)) + B_{\bar{N}}(2N+3865 - B_{\bar{N}}(2N+3865))$$

$$= B_{\bar{N}}(2N+3865 - (N-2)) + B_{\bar{N}}\left(2N+3865 - \left(\frac{15N}{7} - \frac{663}{7}\right)\right) + B_{\bar{N}}\left(2N+3865 - \left(\frac{16N}{7} - \frac{913}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3867) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27718}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27968}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27718) *$$

$$B_{\bar{N}}(2N+3866) = B_{\bar{N}}(2N+3866-B_{\bar{N}}(2N+3865)) + B_{\bar{N}}(2N+3866-B_{\bar{N}}(2N+3864)) + B_{\bar{N}}(2N+3866-B_{\bar{N}}(2N+3863))$$

$$= B_{\bar{N}}(2N+3866-7) + B_{\bar{N}}(2N+3866-(N-2)) + B_{\bar{N}}\left(2N+3866-\left(\frac{15N}{7}-\frac{663}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3859) + B_{\bar{N}}(N+3868) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{27725}{7}\right) = (8N+6749) + (2N+1149) + 0 = 10N+7898$$

$$(N > 27725) *$$

$$B_{\bar{N}}(2N+3867) = B_{\bar{N}}(2N+3867 - B_{\bar{N}}(2N+3866)) + B_{\bar{N}}(2N+3867 - B_{\bar{N}}(2N+3865)) + B_{\bar{N}}(2N+3867 - B_{\bar{N}}(2N+3864))$$

$$= B_{\bar{N}}(2N+3867 - (10N+7898)) + B_{\bar{N}}(2N+3867-7) + B_{\bar{N}}(2N+3867-(N-2))$$

$$= B_{\bar{N}}(-8N-4031) + B_{\bar{N}}(2N+3860) + B_{\bar{N}}(N+3869) = 0 + (8N+1523) + (2N+545) = 10N + 2068$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3868) = B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3867)) + B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3866)) + B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2N+3868-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3869) = B_{\bar{N}}(2N+3869 - B_{\bar{N}}(2N+3868)) + B_{\bar{N}}(2N+3869 - B_{\bar{N}}(2N+3867)) + B_{\bar{N}}(2N+3869 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3870) = B_{\bar{N}}(2N+3870 - B_{\bar{N}}(2N+3869)) + B_{\bar{N}}(2N+3870 - B_{\bar{N}}(2N+3868)) + B_{\bar{N}}(2N+3870 - B_{\bar{N}}(2N+3867))$$

$$= B_{\bar{N}}\left(2N+3870 - \left(\frac{16N}{7} - \frac{899}{7}\right)\right) + B_{\bar{N}}(2N+3870 - 4472) + B_{\bar{N}}(2N+3870 - (10N+2068))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27989}{7}\right) + B_{\bar{N}}(2N-602) + B_{\bar{N}}(-8N+1802) = 0 + \left(\frac{15N}{7} - \frac{656}{7}\right) + 0 = \frac{15N}{7} - \frac{656}{7}$$

$$(N \ge 13995)$$

$$B_{\bar{N}}(2N+3871) = B_{\bar{N}}(2N+3871 - B_{\bar{N}}(2N+3870)) + B_{\bar{N}}(2N+3871 - B_{\bar{N}}(2N+3869)) + B_{\bar{N}}(2N+3871 - B_{\bar{N}}(2N+3868))$$

$$= B_{\bar{N}}\left(2N+3871 - \left(\frac{15N}{7} - \frac{656}{7}\right)\right) + B_{\bar{N}}\left(2N+3871 - \left(\frac{16N}{7} - \frac{899}{7}\right)\right) + B_{\bar{N}}(2N+3871 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{27753}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{27996}{7}\right) + B_{\bar{N}}(2N-601) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 27753) *$$

$$B_{\bar{N}}(2N+3872) = B_{\bar{N}}(2N+3872 - B_{\bar{N}}(2N+3871)) + B_{\bar{N}}(2N+3872 - B_{\bar{N}}(2N+3870)) + B_{\bar{N}}(2N+3872 - B_{\bar{N}}(2N+3869))$$

$$= B_{\bar{N}}(2N+3872 - (N-2)) + B_{\bar{N}}\left(2N+3872 - \left(\frac{15N}{7} - \frac{656}{7}\right)\right) + B_{\bar{N}}\left(2N+3872 - \left(\frac{16N}{7} - \frac{899}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3874) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27760}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28003}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27760) *$$

$$B_{\bar{N}}(2N+3873) = B_{\bar{N}}(2N+3873 - B_{\bar{N}}(2N+3872)) + B_{\bar{N}}(2N+3873 - B_{\bar{N}}(2N+3871)) + B_{\bar{N}}(2N+3873 - B_{\bar{N}}(2N+3873))$$

$$= B_{\bar{N}}(2N+3873-7) + B_{\bar{N}}(2N+3873-(N-2)) + B_{\bar{N}}\left(2N+3873 - \left(\frac{15N}{7} - \frac{656}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3866) + B_{\bar{N}}(N+3875) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27767}{7}\right) = (10N+7898) + (2N+1151) + 0 = 12N + 9049$$

$$(N \ge 27767) *$$

$$B_{\bar{N}}(2N+3874) = B_{\bar{N}}(2N+3874-B_{\bar{N}}(2N+3873)) + B_{\bar{N}}(2N+3874-B_{\bar{N}}(2N+3872)) + B_{\bar{N}}(2N+3874-B_{\bar{N}}(2N+3874))$$

$$= B_{\bar{N}}(2N+3874-(12N+9049)) + B_{\bar{N}}(2N+3874-7) + B_{\bar{N}}(2N+3874-(N-2))$$

$$= B_{\bar{N}}(-10N-5175) + B_{\bar{N}}(2N+3867) + B_{\bar{N}}(N+3876) = 0 + (10N+2068) + (2N+546) = 12N+2614$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3875) = B_{\bar{N}}(2N+3875 - B_{\bar{N}}(2N+3874)) + B_{\bar{N}}(2N+3875 - B_{\bar{N}}(2N+3873)) + B_{\bar{N}}(2N+3875 - B_{\bar{N}}(2N+3875))$$

$$= B_{\bar{N}}(2N+3875 - (12N+2614)) + B_{\bar{N}}(2N+3875 - (12N+9049)) + B_{\bar{N}}(2N+3875 - 7)$$

$$= B_{\bar{N}}(-10N+1261) + B_{\bar{N}}(-10N-5174) + B_{\bar{N}}(2N+3868) = 0 + 0 + 4472 = 4472$$

$$(N \ge 127)$$

$$B_{\bar{N}}(2N+3876) = B_{\bar{N}}(2N+3876 - B_{\bar{N}}(2N+3875)) + B_{\bar{N}}(2N+3876 - B_{\bar{N}}(2N+3874)) + B_{\bar{N}}(2N+3876 - B_{\bar{N}}(2N+3876)) = B_{\bar{N}}(2N+3876 - 4472) + B_{\bar{N}}(2N+3876 - (12N+2614)) + B_{\bar{N}}(2N+3876 - (12N+9049)) = B_{\bar{N}}(2N-596) + B_{\bar{N}}(-10N+1262) + B_{\bar{N}}(-10N-5173) = \left(\frac{16N}{7} - \frac{885}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{885}{7}$$

$$(N > 663)$$

$$B_{\bar{N}}(2N+3877) = B_{\bar{N}}(2N+3877 - B_{\bar{N}}(2N+3876)) + B_{\bar{N}}(2N+3877 - B_{\bar{N}}(2N+3875)) + B_{\bar{N}}(2N+3877 - B_{\bar{N}}(2N+3874))$$

$$= B_{\bar{N}}\left(2N+3877 - \left(\frac{16N}{7} - \frac{885}{7}\right)\right) + B_{\bar{N}}(2N+3877 - 4472) + B_{\bar{N}}(2N+3877 - (12N+2614))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28024}{7}\right) + B_{\bar{N}}(2N-595) + B_{\bar{N}}(-10N+1263) = 0 + \left(\frac{15N}{7} - \frac{649}{7}\right) + 0 = \frac{15N}{7} - \frac{649}{7}$$

$$(N > 14012)$$

$$B_{\bar{N}}(2N+3878) = B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3877)) + B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3876)) + B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2N+3878-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3879) = B_{\bar{N}}(2N+3879 - B_{\bar{N}}(2N+3878)) + B_{\bar{N}}(2N+3879 - B_{\bar{N}}(2N+3877)) + B_{\bar{N}}(2N+3879 - B_{\bar{N}}(2N+3879))$$

$$= B_{\bar{N}}(2N+3879 - (N-2)) + B_{\bar{N}}\left(2N+3879 - \left(\frac{15N}{7} - \frac{649}{7}\right)\right) + B_{\bar{N}}\left(2N+3879 - \left(\frac{16N}{7} - \frac{885}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3881) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27802}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28038}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27802) *$$

$$B_{\bar{N}}(2N+3880) = B_{\bar{N}}(2N+3880 - B_{\bar{N}}(2N+3879)) + B_{\bar{N}}(2N+3880 - B_{\bar{N}}(2N+3878)) + B_{\bar{N}}(2N+3880 - B_{\bar{N}}(2N+3877))$$

$$= B_{\bar{N}}(2N+3880-7) + B_{\bar{N}}(2N+3880 - (N-2)) + B_{\bar{N}}\left(2N+3880 - \left(\frac{15N}{7} - \frac{649}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3873) + B_{\bar{N}}(N+3882) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27809}{7}\right) = (12N+9049) + (2N+1153) + 0 = 14N+10202$$

$$(N > 27809) *$$

$$B_{\bar{N}}(2N+3881) = B_{\bar{N}}(2N+3881 - B_{\bar{N}}(2N+3880)) + B_{\bar{N}}(2N+3881 - B_{\bar{N}}(2N+3879)) + B_{\bar{N}}(2N+3881 - B_{\bar{N}}(2N+3878))$$

$$= B_{\bar{N}}(2N+3881 - (14N+10202)) + B_{\bar{N}}(2N+3881 - 7) + B_{\bar{N}}(2N+3881 - (N-2))$$

$$= B_{\bar{N}}(-12N-6321) + B_{\bar{N}}(2N+3874) + B_{\bar{N}}(N+3883) = 0 + (12N+2614) + (2N+547) = 14N+3161$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3882) = B_{\bar{N}}(2N+3882 - B_{\bar{N}}(2N+3881)) + B_{\bar{N}}(2N+3882 - B_{\bar{N}}(2N+3880)) + B_{\bar{N}}(2N+3882 - B_{\bar{N}}(2N+3879))$$

$$= B_{\bar{N}}(2N+3882 - (14N+3161)) + B_{\bar{N}}(2N+3882 - (14N+10202)) + B_{\bar{N}}(2N+3882 - 7)$$

$$= B_{\bar{N}}(-12N+721) + B_{\bar{N}}(-12N-6320) + B_{\bar{N}}(2N+3875) = 0 + 0 + 4472 = 4472$$

$$(N \ge 61)$$

$$B_{\bar{N}}(2N+3883) = B_{\bar{N}}(2N+3883 - B_{\bar{N}}(2N+3882)) + B_{\bar{N}}(2N+3883 - B_{\bar{N}}(2N+3881)) + B_{\bar{N}}(2N+3883 - B_{\bar{N}}(2N+3880))$$

$$= B_{\bar{N}}(2N+3883 - 4472) + B_{\bar{N}}(2N+3883 - (14N+3161)) + B_{\bar{N}}(2N+3883 - (14N+10202))$$

$$= B_{\bar{N}}(2N-589) + B_{\bar{N}}(-12N+722) + B_{\bar{N}}(-12N-6319) = \left(\frac{16N}{7} - \frac{871}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{871}{7}$$

$$(N \ge 656)$$

$$B_{\bar{N}}(2N+3884) = B_{\bar{N}}(2N+3884 - B_{\bar{N}}(2N+3883)) + B_{\bar{N}}(2N+3884 - B_{\bar{N}}(2N+3882)) + B_{\bar{N}}(2N+3884 - B_{\bar{N}}(2N+3881))$$

$$= B_{\bar{N}}\left(2N+3884 - \left(\frac{16N}{7} - \frac{871}{7}\right)\right) + B_{\bar{N}}(2N+3884 - 4472) + B_{\bar{N}}(2N+3884 - (14N+3161))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28059}{7}\right) + B_{\bar{N}}(2N-588) + B_{\bar{N}}(-12N+723) = 0 + \left(\frac{15N}{7} - \frac{642}{7}\right) + 0 = \frac{15N}{7} - \frac{642}{7}$$

$$(N > 14030)$$

$$B_{\bar{N}}(2N+3885) = B_{\bar{N}}(2N+3885 - B_{\bar{N}}(2N+3884)) + B_{\bar{N}}(2N+3885 - B_{\bar{N}}(2N+3883)) + B_{\bar{N}}(2N+3885 - B_{\bar{N}}(2N+3885))$$

$$= B_{\bar{N}}\left(2N+3885 - \left(\frac{15N}{7} - \frac{642}{7}\right)\right) + B_{\bar{N}}\left(2N+3885 - \left(\frac{16N}{7} - \frac{871}{7}\right)\right) + B_{\bar{N}}(2N+3885 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{27837}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28066}{7}\right) + B_{\bar{N}}(2N-587) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 27837) *$$

$$B_{\bar{N}}(2N+3886) = B_{\bar{N}}(2N+3886-B_{\bar{N}}(2N+3885)) + B_{\bar{N}}(2N+3886-B_{\bar{N}}(2N+3884)) + B_{\bar{N}}(2N+3886-B_{\bar{N}}(2N+3883))$$

$$= B_{\bar{N}}(2N+3886-(N-2)) + B_{\bar{N}}\left(2N+3886-\left(\frac{15N}{7}-\frac{642}{7}\right)\right) + B_{\bar{N}}\left(2N+3886-\left(\frac{16N}{7}-\frac{871}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3888) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{27844}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28073}{7}\right) = 7+0+0=7$$

$$(N \ge 27844) *$$

$$B_{\bar{N}}(2N+3887) = B_{\bar{N}}(2N+3887 - B_{\bar{N}}(2N+3886)) + B_{\bar{N}}(2N+3887 - B_{\bar{N}}(2N+3885)) + B_{\bar{N}}(2N+3887 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3888) = B_{\bar{N}}(2N+3888-B_{\bar{N}}(2N+3887)) + B_{\bar{N}}(2N+3888-B_{\bar{N}}(2N+3886)) + B_{\bar{N}}(2N+3888-B_{\bar{N}}(2N+3885))$$

$$= B_{\bar{N}}(2N+3888-(16N+11357)) + B_{\bar{N}}(2N+3888-7) + B_{\bar{N}}(2N+3888-(N-2))$$

$$= B_{\bar{N}}(-14N-7469) + B_{\bar{N}}(2N+3881) + B_{\bar{N}}(N+3890) = 0 + (14N+3161) + (2N+548) = 16N+3709$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3889) = B_{\bar{N}}(2N+3889 - B_{\bar{N}}(2N+3888)) + B_{\bar{N}}(2N+3889 - B_{\bar{N}}(2N+3887)) + B_{\bar{N}}(2N+3889 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3890) = B_{\bar{N}}(2N+3890 - B_{\bar{N}}(2N+3889)) + B_{\bar{N}}(2N+3890 - B_{\bar{N}}(2N+3888)) + B_{\bar{N}}(2N+3890 - B_{\bar{N}}(2N+3887))$$

$$= B_{\bar{N}}(2N+3890 - 4472) + B_{\bar{N}}(2N+3890 - (16N+3709)) + B_{\bar{N}}(2N+3890 - (16N+11357))$$

$$= B_{\bar{N}}(2N-582) + B_{\bar{N}}(-14N+181) + B_{\bar{N}}(-14N-7467) = \left(\frac{16N}{7} - \frac{857}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{857}{7}$$

$$(N \ge 649)$$

$$B_{\bar{N}}(2N+3891) = B_{\bar{N}}(2N+3891 - B_{\bar{N}}(2N+3890)) + B_{\bar{N}}(2N+3891 - B_{\bar{N}}(2N+3891)) + B_{\bar{N}}(2N+3891) + B_{\bar$$

$$B_{\bar{N}}(2N+3892) = B_{\bar{N}}(2N+3892 - B_{\bar{N}}(2N+3891)) + B_{\bar{N}}(2N+3892 - B_{\bar{N}}(2N+3890)) + B_{\bar{N}}(2N+3892 - B_{\bar{N}}(2N+3892))$$

$$= B_{\bar{N}}\left(2N+3892 - \left(\frac{15N}{7} - \frac{635}{7}\right)\right) + B_{\bar{N}}\left(2N+3892 - \left(\frac{16N}{7} - \frac{857}{7}\right)\right) + B_{\bar{N}}(2N+3892 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{27879}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28101}{7}\right) + B_{\bar{N}}(2N-580) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 27879) *$$

$$B_{\bar{N}}(2N+3893) = B_{\bar{N}}(2N+3893 - B_{\bar{N}}(2N+3892)) + B_{\bar{N}}(2N+3893 - B_{\bar{N}}(2N+3891)) + B_{\bar{N}}(2N+3893 - B_{\bar{N}}(2N+3893))$$

$$= B_{\bar{N}}(2N+3893 - (N-2)) + B_{\bar{N}}\left(2N+3893 - \left(\frac{15N}{7} - \frac{635}{7}\right)\right) + B_{\bar{N}}\left(2N+3893 - \left(\frac{16N}{7} - \frac{857}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3895) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27886}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28108}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27886) *$$

$$B_{\bar{N}}(2N+3894) = B_{\bar{N}}(2N+3894-B_{\bar{N}}(2N+3893)) + B_{\bar{N}}(2N+3894-B_{\bar{N}}(2N+3892)) + B_{\bar{N}}(2N+3894-B_{\bar{N}}(2N+3894-B_{\bar{N}}(2N+3894))$$

$$= B_{\bar{N}}(2N+3894-7) + B_{\bar{N}}(2N+3894-(N-2)) + B_{\bar{N}}\left(2N+3894-\left(\frac{15N}{7}-\frac{635}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3887) + B_{\bar{N}}(N+3896) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{27893}{7}\right) = (16N+11357) + (2N+1157) + 0 = 18N+12514$$

$$(N \ge 27893) *$$

$$B_{\bar{N}}(2N+3895) = B_{\bar{N}}(2N+3895-B_{\bar{N}}(2N+3894)) + B_{\bar{N}}(2N+3895-B_{\bar{N}}(2N+3893)) + B_{\bar{N}}(2N+3895-B_{\bar{N}}(2N+3892))$$

$$= B_{\bar{N}}(2N+3895-(18N+12514)) + B_{\bar{N}}(2N+3895-7) + B_{\bar{N}}(2N+3895-(N-2))$$

$$= B_{\bar{N}}(-16N-8619) + B_{\bar{N}}(2N+3888) + B_{\bar{N}}(N+3897) = 0 + (16N+3709) + (2N+549) = 18N+4258$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+3896) &= B_{\bar{N}}(2N+3896-B_{\bar{N}}(2N+3895)) + B_{\bar{N}}(2N+3896-B_{\bar{N}}(2N+3894)) + B_{\bar{N}}(2N+3896-B_{\bar{N}}(2N+3893)) \\ &= B_{\bar{N}}(2N+3896-(18N+4258)) + B_{\bar{N}}(2N+3896-(18N+12514)) + B_{\bar{N}}(2N+3896-7) \\ &= B_{\bar{N}}(-16N-362) + B_{\bar{N}}(-16N-8618) + B_{\bar{N}}(2N+3889) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3897) = B_{\bar{N}}(2N+3897 - B_{\bar{N}}(2N+3896)) + B_{\bar{N}}(2N+3897 - B_{\bar{N}}(2N+3895)) + B_{\bar{N}}(2N+3897 - B_{\bar{N}}(2N+3894))$$

$$= B_{\bar{N}}(2N+3897 - 4472) + B_{\bar{N}}(2N+3897 - (18N+4258)) + B_{\bar{N}}(2N+3897 - (18N+12514))$$

$$= B_{\bar{N}}(2N-575) + B_{\bar{N}}(-16N-361) + B_{\bar{N}}(-16N-8617) = \left(\frac{16N}{7} - \frac{843}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{843}{7}$$

$$(N \ge 642)$$

$$B_{\bar{N}}(2N+3898) = B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3897)) + B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3896)) + B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2N+3898-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+3899) = B_{\bar{N}}(2N+3899 - B_{\bar{N}}(2N+3898)) + B_{\bar{N}}(2N+3899 - B_{\bar{N}}(2N+3897)) + B_{\bar{N}}(2N+3899 - B_{\bar{N}}(2N+389 - B_{\bar{N}}(2N+3899 - B_{\bar{N}}(2N+3899 - B_{\bar{N}$$

$$B_{\bar{N}}(2N+3900) = B_{\bar{N}}(2N+3900 - B_{\bar{N}}(2N+3899)) + B_{\bar{N}}(2N+3900 - B_{\bar{N}}(2N+3898)) + B_{\bar{N}}(2N+3900 - B_{\bar{N}}(2N+3897))$$

$$= B_{\bar{N}}(2N+3900 - (N-2)) + B_{\bar{N}}\left(2N+3900 - \left(\frac{15N}{7} - \frac{628}{7}\right)\right) + B_{\bar{N}}\left(2N+3900 - \left(\frac{16N}{7} - \frac{843}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3902) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27928}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28143}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 27928) *$$

$$B_{\bar{N}}(2N+3901) = B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3900)) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3901-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3901-B_$$

$$B_{\bar{N}}(2N+3902) = B_{\bar{N}}(2N+3902-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3902-B_{\bar{N}}(2N+3900)) + B_{\bar{N}}(2N+3902-B_{\bar{N}}(2N+3899))$$

$$= B_{\bar{N}}(2N+3902-(20N+13673)) + B_{\bar{N}}(2N+3902-7) + B_{\bar{N}}(2N+3902-(N-2))$$

$$= B_{\bar{N}}(-18N-9771) + B_{\bar{N}}(2N+3895) + B_{\bar{N}}(N+3904) = 0 + (18N+4258) + (2N+550) = 20N+4808$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3903) = B_{\bar{N}}(2N+3903-B_{\bar{N}}(2N+3902)) + B_{\bar{N}}(2N+3903-B_{\bar{N}}(2N+3901)) + B_{\bar{N}}(2N+3903-B_{\bar{N}}(2N+3900))$$

$$= B_{\bar{N}}(2N+3903-(20N+4808)) + B_{\bar{N}}(2N+3903-(20N+13673)) + B_{\bar{N}}(2N+3903-7)$$

$$= B_{\bar{N}}(-18N-905) + B_{\bar{N}}(-18N-9770) + B_{\bar{N}}(2N+3896) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3904) = B_{\bar{N}}(2N+3904 - B_{\bar{N}}(2N+3903)) + B_{\bar{N}}(2N+3904 - B_{\bar{N}}(2N+3902)) + B_{\bar{N}}(2N+3904 - B_{\bar{N}}(2N+3901))$$

$$= B_{\bar{N}}(2N+3904 - 4472) + B_{\bar{N}}(2N+3904 - (20N+4808)) + B_{\bar{N}}(2N+3904 - (20N+13673))$$

$$= B_{\bar{N}}(2N-568) + B_{\bar{N}}(-18N-904) + B_{\bar{N}}(-18N-9769) = \left(\frac{16N}{7} - \frac{829}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{829}{7}$$

$$(N > 635)$$

$$B_{\bar{N}}(2N+3905) = B_{\bar{N}}(2N+3905 - B_{\bar{N}}(2N+3904)) + B_{\bar{N}}(2N+3905 - B_{\bar{N}}(2N+3903)) + B_{\bar{N}}(2N+3905 - B_{\bar{N}}(2N+3902))$$

$$= B_{\bar{N}}\left(2N+3905 - \left(\frac{16N}{7} - \frac{829}{7}\right)\right) + B_{\bar{N}}(2N+3905 - 4472) + B_{\bar{N}}(2N+3905 - (20N+4808))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28164}{7}\right) + B_{\bar{N}}(2N-567) + B_{\bar{N}}(-18N-903) = 0 + \left(\frac{15N}{7} - \frac{621}{7}\right) + 0 = \frac{15N}{7} - \frac{621}{7}$$

$$(N > 14082)$$

$$B_{\bar{N}}(2N+3906) = B_{\bar{N}}(2N+3906-B_{\bar{N}}(2N+3905)) + B_{\bar{N}}(2N+3906-B_{\bar{N}}(2N+3904)) + B_{\bar{N}}(2N+3906-B_{\bar{N}}(2N+3903))$$

$$= B_{\bar{N}}\left(2N+3906-\left(\frac{15N}{7}-\frac{621}{7}\right)\right) + B_{\bar{N}}\left(2N+3906-\left(\frac{16N}{7}-\frac{829}{7}\right)\right) + B_{\bar{N}}(2N+3906-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{27963}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28171}{7}\right) + B_{\bar{N}}(2N-566) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 27963) *$$

$$B_{\bar{N}}(2N+3907) = B_{\bar{N}}(2N+3907 - B_{\bar{N}}(2N+3906)) + B_{\bar{N}}(2N+3907 - B_{\bar{N}}(2N+3905)) + B_{\bar{N}}(2N+3907 - B_{\bar{N}}(2N+3904))$$

$$= B_{\bar{N}}(2N+3907 - (N-2)) + B_{\bar{N}}\left(2N+3907 - \left(\frac{15N}{7} - \frac{621}{7}\right)\right) + B_{\bar{N}}\left(2N+3907 - \left(\frac{16N}{7} - \frac{829}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3909) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{27970}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28178}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 27970) *$$

$$B_{\bar{N}}(2N+3908) = B_{\bar{N}}(2N+3908-B_{\bar{N}}(2N+3907)) + B_{\bar{N}}(2N+3908-B_{\bar{N}}(2N+3906)) + B_{\bar{N}}(2N+3908-B_{\bar{N}}(2N+3905))$$

$$= B_{\bar{N}}(2N+3908-7) + B_{\bar{N}}(2N+3908-(N-2)) + B_{\bar{N}}\left(2N+3908-\left(\frac{15N}{7}-\frac{621}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3901) + B_{\bar{N}}(N+3910) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{27977}{7}\right) = (20N+13673) + (2N+1161) + 0 = 22N+14834$$

$$(N > 27977) *$$

$$B_{\bar{N}}(2N+3909) = B_{\bar{N}}(2N+3909-B_{\bar{N}}(2N+3908)) + B_{\bar{N}}(2N+3909-B_{\bar{N}}(2N+3907)) + B_{\bar{N}}(2N+3909-B_{\bar{N}}(2N+3906))$$

$$= B_{\bar{N}}(2N+3909-(22N+14834)) + B_{\bar{N}}(2N+3909-7) + B_{\bar{N}}(2N+3909-(N-2))$$

$$= B_{\bar{N}}(-20N-10925) + B_{\bar{N}}(2N+3902) + B_{\bar{N}}(N+3911) = 0 + (20N+4808) + (2N+551) = 22N+5359$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3910) = B_{\bar{N}}(2N+3910-B_{\bar{N}}(2N+3909)) + B_{\bar{N}}(2N+3910-B_{\bar{N}}(2N+3908)) + B_{\bar{N}}(2N+3910-B_{\bar{N}}(2N+3907))$$

$$= B_{\bar{N}}(2N+3910-(22N+5359)) + B_{\bar{N}}(2N+3910-(22N+14834)) + B_{\bar{N}}(2N+3910-7)$$

$$= B_{\bar{N}}(-20N-1449) + B_{\bar{N}}(-20N-10924) + B_{\bar{N}}(2N+3903) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3911) = B_{\bar{N}}(2N+3911 - B_{\bar{N}}(2N+3910)) + B_{\bar{N}}(2N+3911 - B_{\bar{N}}(2N+3909)) + B_{\bar{N}}(2N+3911 - B_{\bar{N}}(2N+3908))$$

$$= B_{\bar{N}}(2N+3911 - 4472) + B_{\bar{N}}(2N+3911 - (22N+5359)) + B_{\bar{N}}(2N+3911 - (22N+14834))$$

$$= B_{\bar{N}}(2N-561) + B_{\bar{N}}(-20N-1448) + B_{\bar{N}}(-20N-10923) = \left(\frac{16N}{7} - \frac{815}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{815}{7}$$

$$(N \ge 628)$$

$$B_{\bar{N}}(2N+3912) = B_{\bar{N}}(2N+3912 - B_{\bar{N}}(2N+3911)) + B_{\bar{N}}(2N+3912 - B_{\bar{N}}(2N+3910)) + B_{\bar{N}}(2N+3912 - B_{\bar{N}}(2N+3909))$$

$$= B_{\bar{N}}\left(2N+3912 - \left(\frac{16N}{7} - \frac{815}{7}\right)\right) + B_{\bar{N}}(2N+3912 - 4472) + B_{\bar{N}}(2N+3912 - (22N+5359))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28199}{7}\right) + B_{\bar{N}}(2N-560) + B_{\bar{N}}(-20N-1447) = 0 + \left(\frac{15N}{7} - \frac{614}{7}\right) + 0 = \frac{15N}{7} - \frac{614}{7}$$

$$(N \ge 14100)$$

$$B_{\bar{N}}(2N+3913) = B_{\bar{N}}(2N+3913-B_{\bar{N}}(2N+3912)) + B_{\bar{N}}(2N+3913-B_{\bar{N}}(2N+3911)) + B_{\bar{N}}(2N+3913-B_{\bar{N}}(2N+3910))$$

$$= B_{\bar{N}}\left(2N+3913-\left(\frac{15N}{7}-\frac{614}{7}\right)\right) + B_{\bar{N}}\left(2N+3913-\left(\frac{16N}{7}-\frac{815}{7}\right)\right) + B_{\bar{N}}(2N+3913-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28005}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28206}{7}\right) + B_{\bar{N}}(2N-559) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28005) *$$

$$B_{\bar{N}}(2N+3914) = B_{\bar{N}}(2N+3914-B_{\bar{N}}(2N+3913)) + B_{\bar{N}}(2N+3914-B_{\bar{N}}(2N+3912)) + B_{\bar{N}}(2N+3914-B_{\bar{N}}(2N+3911))$$

$$= B_{\bar{N}}(2N+3914-(N-2)) + B_{\bar{N}}\left(2N+3914-\left(\frac{15N}{7}-\frac{614}{7}\right)\right) + B_{\bar{N}}\left(2N+3914-\left(\frac{16N}{7}-\frac{815}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3916) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28012}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28213}{7}\right) = 7+0+0=7$$

$$(N \ge 28012) *$$

$$B_{\bar{N}}(2N+3915) = B_{\bar{N}}(2N+3915-B_{\bar{N}}(2N+3914)) + B_{\bar{N}}(2N+3915-B_{\bar{N}}(2N+3913)) + B_{\bar{N}}(2N+3915-B_{\bar{N}}(2N+3912))$$

$$= B_{\bar{N}}(2N+3915-7) + B_{\bar{N}}(2N+3915-(N-2)) + B_{\bar{N}}\left(2N+3915-\left(\frac{15N}{7}-\frac{614}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3908) + B_{\bar{N}}(N+3917) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28019}{7}\right) = (22N+14834) + (2N+1163) + 0 = 24N+15997$$

$$(N \ge 28019) *$$

$$\begin{split} B_{\bar{N}}(2N+3916) &= B_{\bar{N}}(2N+3916-B_{\bar{N}}(2N+3915)) + B_{\bar{N}}(2N+3916-B_{\bar{N}}(2N+3914)) + B_{\bar{N}}(2N+3916-B_{\bar{N}}(2N+3913)) \\ &= B_{\bar{N}}(2N+3916-(24N+15997)) + B_{\bar{N}}(2N+3916-7) + B_{\bar{N}}(2N+3916-(N-2)) \\ &= B_{\bar{N}}(-22N-12081) + B_{\bar{N}}(2N+3909) + B_{\bar{N}}(N+3918) = 0 + (22N+5359) + (2N+552) = 24N+5911 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+3917) &= B_{\bar{N}}(2N+3917-B_{\bar{N}}(2N+3916)) + B_{\bar{N}}(2N+3917-B_{\bar{N}}(2N+3915)) + B_{\bar{N}}(2N+3917-B_{\bar{N}}(2N+3914)) \\ &= B_{\bar{N}}(2N+3917-(24N+5911)) + B_{\bar{N}}(2N+3917-(24N+15997)) + B_{\bar{N}}(2N+3917-7) \\ &= B_{\bar{N}}(-22N-1994) + B_{\bar{N}}(-22N-12080) + B_{\bar{N}}(2N+3910) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3918) = B_{\bar{N}}(2N+3918-B_{\bar{N}}(2N+3917)) + B_{\bar{N}}(2N+3918-B_{\bar{N}}(2N+3916)) + B_{\bar{N}}(2N+3918-B_{\bar{N}}(2N+3915))$$

$$= B_{\bar{N}}(2N+3918-4472) + B_{\bar{N}}(2N+3918-(24N+5911)) + B_{\bar{N}}(2N+3918-(24N+15997))$$

$$= B_{\bar{N}}(2N-554) + B_{\bar{N}}(-22N-1993) + B_{\bar{N}}(-22N-12079) = \left(\frac{16N}{7} - \frac{801}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{801}{7}$$

$$(N \ge 621)$$

$$B_{\bar{N}}(2N+3919) = B_{\bar{N}}(2N+3919 - B_{\bar{N}}(2N+3918)) + B_{\bar{N}}(2N+3919 - B_{\bar{N}}(2N+3917)) + B_{\bar{N}}(2N+3919 - B_{\bar{N}}(2N+3916))$$

$$= B_{\bar{N}}\left(2N+3919 - \left(\frac{16N}{7} - \frac{801}{7}\right)\right) + B_{\bar{N}}(2N+3919 - 4472) + B_{\bar{N}}(2N+3919 - (24N+5911))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28234}{7}\right) + B_{\bar{N}}(2N-553) + B_{\bar{N}}(-22N-1992) = 0 + \left(\frac{15N}{7} - \frac{607}{7}\right) + 0 = \frac{15N}{7} - \frac{607}{7}$$

$$(N \ge 14117)$$

$$B_{\bar{N}}(2N+3920) = B_{\bar{N}}(2N+3920 - B_{\bar{N}}(2N+3919)) + B_{\bar{N}}(2N+3920 - B_{\bar{N}}(2N+3918)) + B_{\bar{N}}(2N+3920 - B_{\bar{N}}(2N+3917))$$

$$= B_{\bar{N}}\left(2N+3920 - \left(\frac{15N}{7} - \frac{607}{7}\right)\right) + B_{\bar{N}}\left(2N+3920 - \left(\frac{16N}{7} - \frac{801}{7}\right)\right) + B_{\bar{N}}(2N+3920 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28047}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28241}{7}\right) + B_{\bar{N}}(2N-552) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28047) *$$

$$B_{\bar{N}}(2N+3921) = B_{\bar{N}}(2N+3921 - B_{\bar{N}}(2N+3920)) + B_{\bar{N}}(2N+3921 - B_{\bar{N}}(2N+3919)) + B_{\bar{N}}(2N+3921 - B_{\bar{N}}(2N+3918))$$

$$= B_{\bar{N}}(2N+3921 - (N-2)) + B_{\bar{N}}\left(2N+3921 - \left(\frac{15N}{7} - \frac{607}{7}\right)\right) + B_{\bar{N}}\left(2N+3921 - \left(\frac{16N}{7} - \frac{801}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3923) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28054}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28248}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28054) *$$

$$B_{\bar{N}}(2N+3922) = B_{\bar{N}}(2N+3922-B_{\bar{N}}(2N+3921)) + B_{\bar{N}}(2N+3922-B_{\bar{N}}(2N+3920)) + B_{\bar{N}}(2N+3922-B_{\bar{N}}(2N+3919))$$

$$= B_{\bar{N}}(2N+3922-7) + B_{\bar{N}}(2N+3922-(N-2)) + B_{\bar{N}}\left(2N+3922-\left(\frac{15N}{7}-\frac{607}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3915) + B_{\bar{N}}(N+3924) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28061}{7}\right) = (24N+15997) + (2N+1165) + 0 = 26N+17162$$

$$(N \ge 28061) *$$

$$B_{\bar{N}}(2N+3923) = B_{\bar{N}}(2N+3923-B_{\bar{N}}(2N+3922)) + B_{\bar{N}}(2N+3923-B_{\bar{N}}(2N+3921)) + B_{\bar{N}}(2N+3923-B_{\bar{N}}(2N+3920))$$

$$= B_{\bar{N}}(2N+3923-(26N+17162)) + B_{\bar{N}}(2N+3923-7) + B_{\bar{N}}(2N+3923-(N-2))$$

$$= B_{\bar{N}}(-24N-13239) + B_{\bar{N}}(2N+3916) + B_{\bar{N}}(N+3925) = 0 + (24N+5911) + (2N+553) = 26N+6464$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+3924) &= B_{\bar{N}}(2N+3924-B_{\bar{N}}(2N+3923)) + B_{\bar{N}}(2N+3924-B_{\bar{N}}(2N+3922)) + B_{\bar{N}}(2N+3924-B_{\bar{N}}(2N+3921)) \\ &= B_{\bar{N}}(2N+3924-(26N+6464)) + B_{\bar{N}}(2N+3924-(26N+17162)) + B_{\bar{N}}(2N+3924-7) \\ &= B_{\bar{N}}(-24N-2540) + B_{\bar{N}}(-24N-13238) + B_{\bar{N}}(2N+3917) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3925) = B_{\bar{N}}(2N+3925 - B_{\bar{N}}(2N+3924)) + B_{\bar{N}}(2N+3925 - B_{\bar{N}}(2N+3923)) + B_{\bar{N}}(2N+3925 - B_{\bar{N}}(2N+3925))$$

$$= B_{\bar{N}}(2N+3925 - 4472) + B_{\bar{N}}(2N+3925 - (26N+6464)) + B_{\bar{N}}(2N+3925 - (26N+17162))$$

$$= B_{\bar{N}}(2N-547) + B_{\bar{N}}(-24N-2539) + B_{\bar{N}}(-24N-13237) = \left(\frac{16N}{7} - \frac{787}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{787}{7}$$

$$(N \ge 614)$$

$$B_{\bar{N}}(2N+3926) = B_{\bar{N}}(2N+3926-B_{\bar{N}}(2N+3925)) + B_{\bar{N}}(2N+3926-B_{\bar{N}}(2N+3924)) + B_{\bar{N}}(2N+3926-B_{\bar{N}}(2N+3923))$$

$$= B_{\bar{N}}\left(2N+3926-\left(\frac{16N}{7}-\frac{787}{7}\right)\right) + B_{\bar{N}}(2N+3926-4472) + B_{\bar{N}}(2N+3926-(26N+6464))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28269}{7}\right) + B_{\bar{N}}(2N-546) + B_{\bar{N}}(-24N-2538) = 0 + \left(\frac{15N}{7}-\frac{600}{7}\right) + 0 = \frac{15N}{7}-\frac{600}{7}$$

$$(N \ge 14135)$$

$$B_{\bar{N}}(2N+3927) = B_{\bar{N}}(2N+3927-B_{\bar{N}}(2N+3926)) + B_{\bar{N}}(2N+3927-B_{\bar{N}}(2N+3925)) + B_{\bar{N}}(2N+3927-B_{\bar{N}}(2N+3924))$$

$$= B_{\bar{N}}\left(2N+3927-\left(\frac{15N}{7}-\frac{600}{7}\right)\right) + B_{\bar{N}}\left(2N+3927-\left(\frac{16N}{7}-\frac{787}{7}\right)\right) + B_{\bar{N}}(2N+3927-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28089}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28276}{7}\right) + B_{\bar{N}}(2N-545) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28089) *$$

$$B_{\bar{N}}(2N+3928) = B_{\bar{N}}(2N+3928-B_{\bar{N}}(2N+3927)) + B_{\bar{N}}(2N+3928-B_{\bar{N}}(2N+3926)) + B_{\bar{N}}(2N+3928-B_{\bar{N}}(2N+3928-B_{\bar{N}}(2N+3928))$$

$$= B_{\bar{N}}(2N+3928-(N-2)) + B_{\bar{N}}\left(2N+3928-\left(\frac{15N}{7}-\frac{600}{7}\right)\right) + B_{\bar{N}}\left(2N+3928-\left(\frac{16N}{7}-\frac{787}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3930) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28096}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28283}{7}\right) = 7+0+0=7$$

$$(N \ge 28096) *$$

$$B_{\bar{N}}(2N+3929) = B_{\bar{N}}(2N+3929 - B_{\bar{N}}(2N+3928)) + B_{\bar{N}}(2N+3929 - B_{\bar{N}}(2N+3927)) + B_{\bar{N}}(2N+3929 - B_{\bar{N}}(2N+3926))$$

$$= B_{\bar{N}}(2N+3929-7) + B_{\bar{N}}(2N+3929 - (N-2)) + B_{\bar{N}}\left(2N+3929 - \left(\frac{15N}{7} - \frac{600}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3922) + B_{\bar{N}}(N+3931) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28103}{7}\right) = (26N+17162) + (2N+1167) + 0 = 28N+18329$$

$$(N \ge 28103) *$$

$$B_{\bar{N}}(2N+3930) = B_{\bar{N}}(2N+3930-B_{\bar{N}}(2N+3929)) + B_{\bar{N}}(2N+3930-B_{\bar{N}}(2N+3928)) + B_{\bar{N}}(2N+3930-B_{\bar{N}}(2N+3927))$$

$$= B_{\bar{N}}(2N+3930-(28N+18329)) + B_{\bar{N}}(2N+3930-7) + B_{\bar{N}}(2N+3930-(N-2))$$

$$= B_{\bar{N}}(-26N-14399) + B_{\bar{N}}(2N+3923) + B_{\bar{N}}(N+3932) = 0 + (26N+6464) + (2N+554) = 28N+7018$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3931) = B_{\bar{N}}(2N+3931-B_{\bar{N}}(2N+3930)) + B_{\bar{N}}(2N+3931-B_{\bar{N}}(2N+3929)) + B_{\bar{N}}(2N+3931-B_{\bar{N}}(2N+3928))$$

$$= B_{\bar{N}}(2N+3931-(28N+7018)) + B_{\bar{N}}(2N+3931-(28N+18329)) + B_{\bar{N}}(2N+3931-7)$$

$$= B_{\bar{N}}(-26N-3087) + B_{\bar{N}}(-26N-14398) + B_{\bar{N}}(2N+3924) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3932) = B_{\bar{N}}(2N+3932 - B_{\bar{N}}(2N+3931)) + B_{\bar{N}}(2N+3932 - B_{\bar{N}}(2N+3930)) + B_{\bar{N}}(2N+3932 - B_{\bar{N}}(2N+3929))$$

$$= B_{\bar{N}}(2N+3932 - 4472) + B_{\bar{N}}(2N+3932 - (28N+7018)) + B_{\bar{N}}(2N+3932 - (28N+18329))$$

$$= B_{\bar{N}}(2N-540) + B_{\bar{N}}(-26N-3086) + B_{\bar{N}}(-26N-14397) = \left(\frac{16N}{7} - \frac{773}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{773}{7}$$

$$(N > 607)$$

$$B_{\bar{N}}(2N+3933) = B_{\bar{N}}(2N+3933 - B_{\bar{N}}(2N+3932)) + B_{\bar{N}}(2N+3933 - B_{\bar{N}}(2N+3931)) + B_{\bar{N}}(2N+3933 - B_{\bar{N}}(2N+3930))$$

$$= B_{\bar{N}}\left(2N+3933 - \left(\frac{16N}{7} - \frac{773}{7}\right)\right) + B_{\bar{N}}(2N+3933 - 4472) + B_{\bar{N}}(2N+3933 - (28N+7018))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28304}{7}\right) + B_{\bar{N}}(2N-539) + B_{\bar{N}}(-26N-3085) = 0 + \left(\frac{15N}{7} - \frac{593}{7}\right) + 0 = \frac{15N}{7} - \frac{593}{7}$$

$$(N > 14152)$$

$$B_{\bar{N}}(2N+3934) = B_{\bar{N}}(2N+3934-B_{\bar{N}}(2N+3933)) + B_{\bar{N}}(2N+3934-B_{\bar{N}}(2N+3932)) + B_{\bar{N}}(2N+3934-B_{\bar{N}}(2N+3931))$$

$$= B_{\bar{N}}\left(2N+3934-\left(\frac{15N}{7}-\frac{593}{7}\right)\right) + B_{\bar{N}}\left(2N+3934-\left(\frac{16N}{7}-\frac{773}{7}\right)\right) + B_{\bar{N}}(2N+3934-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28131}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28311}{7}\right) + B_{\bar{N}}(2N-538) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28131) *$$

$$B_{\bar{N}}(2N+3935) = B_{\bar{N}}(2N+3935-B_{\bar{N}}(2N+3934)) + B_{\bar{N}}(2N+3935-B_{\bar{N}}(2N+3933)) + B_{\bar{N}}(2N+3935-B_{\bar{N}}(2N+3932))$$

$$= B_{\bar{N}}(2N+3935-(N-2)) + B_{\bar{N}}\left(2N+3935-\left(\frac{15N}{7}-\frac{593}{7}\right)\right) + B_{\bar{N}}\left(2N+3935-\left(\frac{16N}{7}-\frac{773}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3937) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28138}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28318}{7}\right) = 7+0+0=7$$

$$(N \ge 28138) *$$

$$B_{\bar{N}}(2N+3936) = B_{\bar{N}}(2N+3936-B_{\bar{N}}(2N+3935)) + B_{\bar{N}}(2N+3936-B_{\bar{N}}(2N+3934)) + B_{\bar{N}}(2N+3936-B_{\bar{N}}(2N+3936))$$

$$= B_{\bar{N}}(2N+3936-7) + B_{\bar{N}}(2N+3936-(N-2)) + B_{\bar{N}}\left(2N+3936-\left(\frac{15N}{7}-\frac{593}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3929) + B_{\bar{N}}(N+3938) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28145}{7}\right) = (28N+18329) + (2N+1169) + 0 = 30N+19498$$

$$(N > 28145) *$$

$$B_{\bar{N}}(2N+3937) = B_{\bar{N}}(2N+3937-B_{\bar{N}}(2N+3936)) + B_{\bar{N}}(2N+3937-B_{\bar{N}}(2N+3935)) + B_{\bar{N}}(2N+3937-B_{\bar{N}}(2N+3934))$$

$$= B_{\bar{N}}(2N+3937-(30N+19498)) + B_{\bar{N}}(2N+3937-7) + B_{\bar{N}}(2N+3937-(N-2))$$

$$= B_{\bar{N}}(-28N-15561) + B_{\bar{N}}(2N+3930) + B_{\bar{N}}(N+3939) = 0 + (28N+7018) + (2N+555) = 30N+7573$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3938) = B_{\bar{N}}(2N+3938-B_{\bar{N}}(2N+3937)) + B_{\bar{N}}(2N+3938-B_{\bar{N}}(2N+3936)) + B_{\bar{N}}(2N+3938-B_{\bar{N}}(2N+3935))$$

$$= B_{\bar{N}}(2N+3938-(30N+7573)) + B_{\bar{N}}(2N+3938-(30N+19498)) + B_{\bar{N}}(2N+3938-7)$$

$$= B_{\bar{N}}(-28N-3635) + B_{\bar{N}}(-28N-15560) + B_{\bar{N}}(2N+3931) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3939) = B_{\bar{N}}(2N+3939 - B_{\bar{N}}(2N+3938)) + B_{\bar{N}}(2N+3939 - B_{\bar{N}}(2N+3937)) + B_{\bar{N}}(2N+3939 - B_{\bar{N}}(2N+3936))$$

$$= B_{\bar{N}}(2N+3939 - 4472) + B_{\bar{N}}(2N+3939 - (30N+7573)) + B_{\bar{N}}(2N+3939 - (30N+19498))$$

$$= B_{\bar{N}}(2N-533) + B_{\bar{N}}(-28N-3634) + B_{\bar{N}}(-28N-15559) = \left(\frac{16N}{7} - \frac{759}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{759}{7}$$

$$(N \ge 600)$$

$$B_{\bar{N}}(2N+3940) = B_{\bar{N}}(2N+3940 - B_{\bar{N}}(2N+3939)) + B_{\bar{N}}(2N+3940 - B_{\bar{N}}(2N+3938)) + B_{\bar{N}}(2N+3940 - B_{\bar{N}}(2N+3937))$$

$$= B_{\bar{N}}\left(2N+3940 - \left(\frac{16N}{7} - \frac{759}{7}\right)\right) + B_{\bar{N}}(2N+3940 - 4472) + B_{\bar{N}}(2N+3940 - (30N+7573))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28339}{7}\right) + B_{\bar{N}}(2N-532) + B_{\bar{N}}(-28N-3633) = 0 + \left(\frac{15N}{7} - \frac{586}{7}\right) + 0 = \frac{15N}{7} - \frac{586}{7}$$

$$(N > 14170)$$

$$B_{\bar{N}}(2N+3941) = B_{\bar{N}}(2N+3941-B_{\bar{N}}(2N+3940)) + B_{\bar{N}}(2N+3941-B_{\bar{N}}(2N+3939)) + B_{\bar{N}}(2N+3941-B_{\bar{N}}(2N+3938))$$

$$= B_{\bar{N}}\left(2N+3941-\left(\frac{15N}{7}-\frac{586}{7}\right)\right) + B_{\bar{N}}\left(2N+3941-\left(\frac{16N}{7}-\frac{759}{7}\right)\right) + B_{\bar{N}}(2N+3941-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28173}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28346}{7}\right) + B_{\bar{N}}(2N-531) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28173) *$$

$$B_{\bar{N}}(2N+3942) = B_{\bar{N}}(2N+3942-B_{\bar{N}}(2N+3941)) + B_{\bar{N}}(2N+3942-B_{\bar{N}}(2N+3940)) + B_{\bar{N}}(2N+3942-B_{\bar{N}}(2N+3939))$$

$$= B_{\bar{N}}(2N+3942-(N-2)) + B_{\bar{N}}\left(2N+3942-\left(\frac{15N}{7}-\frac{586}{7}\right)\right) + B_{\bar{N}}\left(2N+3942-\left(\frac{16N}{7}-\frac{759}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3944) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28180}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28353}{7}\right) = 7+0+0=7$$

$$(N \ge 28180) *$$

$$B_{\bar{N}}(2N+3943) = B_{\bar{N}}(2N+3943 - B_{\bar{N}}(2N+3942)) + B_{\bar{N}}(2N+3943 - B_{\bar{N}}(2N+3941)) + B_{\bar{N}}(2N+3943 - B_{\bar{N}}(2N+3943))$$

$$= B_{\bar{N}}(2N+3943-7) + B_{\bar{N}}(2N+3943-(N-2)) + B_{\bar{N}}\left(2N+3943 - \left(\frac{15N}{7} - \frac{586}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3936) + B_{\bar{N}}(N+3945) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28187}{7}\right) = (30N+19498) + (2N+1171) + 0 = 32N + 20669$$

$$(N \ge 28187) *$$

$$B_{\bar{N}}(2N+3944) = B_{\bar{N}}(2N+3944-B_{\bar{N}}(2N+3943)) + B_{\bar{N}}(2N+3944-B_{\bar{N}}(2N+3942)) + B_{\bar{N}}(2N+3944-B_{\bar{N}}(2N+3941))$$

$$= B_{\bar{N}}(2N+3944-(32N+20669)) + B_{\bar{N}}(2N+3944-7) + B_{\bar{N}}(2N+3944-(N-2))$$

$$= B_{\bar{N}}(-30N-16725) + B_{\bar{N}}(2N+3937) + B_{\bar{N}}(N+3946) = 0 + (30N+7573) + (2N+556) = 32N+8129$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3945) = B_{\bar{N}}(2N+3945-B_{\bar{N}}(2N+3944)) + B_{\bar{N}}(2N+3945-B_{\bar{N}}(2N+3943)) + B_{\bar{N}}(2N+3945-B_{\bar{N}}(2N+3945)) = B_{\bar{N}}(2N+3945-(32N+8129)) + B_{\bar{N}}(2N+3945-(32N+20669)) + B_{\bar{N}}(2N+3945-7) = B_{\bar{N}}(-30N-4184) + B_{\bar{N}}(-30N-16724) + B_{\bar{N}}(2N+3938) = 0 + 0 + 4472 = 4472 (N \ge 1)$$

$$B_{\bar{N}}(2N+3946) = B_{\bar{N}}(2N+3946 - B_{\bar{N}}(2N+3945)) + B_{\bar{N}}(2N+3946 - B_{\bar{N}}(2N+3944)) + B_{\bar{N}}(2N+3946 - B_{\bar{N}}(2N+3943))$$

$$= B_{\bar{N}}(2N+3946 - 4472) + B_{\bar{N}}(2N+3946 - (32N+8129)) + B_{\bar{N}}(2N+3946 - (32N+20669))$$

$$= B_{\bar{N}}(2N-526) + B_{\bar{N}}(-30N-4183) + B_{\bar{N}}(-30N-16723) = \left(\frac{16N}{7} - \frac{745}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{745}{7}$$

$$(N \ge 593)$$

$$B_{\bar{N}}(2N+3947) = B_{\bar{N}}(2N+3947 - B_{\bar{N}}(2N+3946)) + B_{\bar{N}}(2N+3947 - B_{\bar{N}}(2N+3945)) + B_{\bar{N}}(2N+3947 - B_{\bar{N}}(2N+3947))$$

$$= B_{\bar{N}}\left(2N+3947 - \left(\frac{16N}{7} - \frac{745}{7}\right)\right) + B_{\bar{N}}(2N+3947 - 4472) + B_{\bar{N}}(2N+3947 - (32N+8129))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28374}{7}\right) + B_{\bar{N}}(2N-525) + B_{\bar{N}}(-30N-4182) = 0 + \left(\frac{15N}{7} - \frac{579}{7}\right) + 0 = \frac{15N}{7} - \frac{579}{7}$$

$$(N \ge 14187)$$

$$B_{\bar{N}}(2N+3948) = B_{\bar{N}}(2N+3948 - B_{\bar{N}}(2N+3947)) + B_{\bar{N}}(2N+3948 - B_{\bar{N}}(2N+3946)) + B_{\bar{N}}(2N+3948 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3949) = B_{\bar{N}}(2N+3949 - B_{\bar{N}}(2N+3948)) + B_{\bar{N}}(2N+3949 - B_{\bar{N}}(2N+3947)) + B_{\bar{N}}(2N+3949 - B_{\bar{N}}(2N+3946))$$

$$= B_{\bar{N}}(2N+3949 - (N-2)) + B_{\bar{N}}\left(2N+3949 - \left(\frac{15N}{7} - \frac{579}{7}\right)\right) + B_{\bar{N}}\left(2N+3949 - \left(\frac{16N}{7} - \frac{745}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3951) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28222}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28388}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28222) *$$

$$B_{\bar{N}}(2N+3950) = B_{\bar{N}}(2N+3950 - B_{\bar{N}}(2N+3949)) + B_{\bar{N}}(2N+3950 - B_{\bar{N}}(2N+3948)) + B_{\bar{N}}(2N+3950 - B_{\bar{N}}(2N+3947))$$

$$= B_{\bar{N}}(2N+3950-7) + B_{\bar{N}}(2N+3950 - (N-2)) + B_{\bar{N}}\left(2N+3950 - \left(\frac{15N}{7} - \frac{579}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3943) + B_{\bar{N}}(N+3952) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28229}{7}\right) = (32N+20669) + (2N+1173) + 0 = 34N + 21842$$

$$(N \ge 28229) *$$

$$B_{\bar{N}}(2N+3951) = B_{\bar{N}}(2N+3951-B_{\bar{N}}(2N+3950)) + B_{\bar{N}}(2N+3951-B_{\bar{N}}(2N+3949)) + B_{\bar{N}}(2N+3951-B_{\bar{N}}(2N+3948))$$

$$= B_{\bar{N}}(2N+3951-(34N+21842)) + B_{\bar{N}}(2N+3951-7) + B_{\bar{N}}(2N+3951-(N-2))$$

$$= B_{\bar{N}}(-32N-17891) + B_{\bar{N}}(2N+3944) + B_{\bar{N}}(N+3953) = 0 + (32N+8129) + (2N+557) = 34N+8686$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+3952) &= B_{\bar{N}}(2N+3952-B_{\bar{N}}(2N+3951)) + B_{\bar{N}}(2N+3952-B_{\bar{N}}(2N+3950)) + B_{\bar{N}}(2N+3952-B_{\bar{N}}(2N+3949)) \\ &= B_{\bar{N}}(2N+3952-(34N+8686)) + B_{\bar{N}}(2N+3952-(34N+21842)) + B_{\bar{N}}(2N+3952-7) \\ &= B_{\bar{N}}(-32N-4734) + B_{\bar{N}}(-32N-17890) + B_{\bar{N}}(2N+3945) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3953) = B_{\bar{N}}(2N+3953-B_{\bar{N}}(2N+3952)) + B_{\bar{N}}(2N+3953-B_{\bar{N}}(2N+3951)) + B_{\bar{N}}(2N+3953-B_{\bar{N}}(2N+3950))$$

$$= B_{\bar{N}}(2N+3953-4472) + B_{\bar{N}}(2N+3953-(34N+8686)) + B_{\bar{N}}(2N+3953-(34N+21842))$$

$$= B_{\bar{N}}(2N-519) + B_{\bar{N}}(-32N-4733) + B_{\bar{N}}(-32N-17889) = \left(\frac{16N}{7} - \frac{731}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{731}{7}$$

$$(N > 586)$$

$$B_{\bar{N}}(2N+3954) = B_{\bar{N}}(2N+3954-B_{\bar{N}}(2N+3953)) + B_{\bar{N}}(2N+3954-B_{\bar{N}}(2N+3952)) + B_{\bar{N}}(2N+3954-B_{\bar{N}}(2N+3951))$$

$$= B_{\bar{N}}\left(2N+3954-\left(\frac{16N}{7}-\frac{731}{7}\right)\right) + B_{\bar{N}}(2N+3954-4472) + B_{\bar{N}}(2N+3954-(34N+8686))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28409}{7}\right) + B_{\bar{N}}(2N-518) + B_{\bar{N}}(-32N-4732) = 0 + \left(\frac{15N}{7}-\frac{572}{7}\right) + 0 = \frac{15N}{7}-\frac{572}{7}$$

$$(N \ge 14205)$$

$$B_{\bar{N}}(2N+3955) = B_{\bar{N}}(2N+3955-B_{\bar{N}}(2N+3954)) + B_{\bar{N}}(2N+3955-B_{\bar{N}}(2N+3953)) + B_{\bar{N}}(2N+3955-B_{\bar{N}}(2N+3952))$$

$$= B_{\bar{N}}\left(2N+3955-\left(\frac{15N}{7}-\frac{572}{7}\right)\right) + B_{\bar{N}}\left(2N+3955-\left(\frac{16N}{7}-\frac{731}{7}\right)\right) + B_{\bar{N}}(2N+3955-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28257}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28416}{7}\right) + B_{\bar{N}}(2N-517) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28257) *$$

$$B_{\bar{N}}(2N+3956) = B_{\bar{N}}(2N+3956 - B_{\bar{N}}(2N+3955)) + B_{\bar{N}}(2N+3956 - B_{\bar{N}}(2N+3954)) + B_{\bar{N}}(2N+3956 - B_{\bar{N}}(2N+3953))$$

$$= B_{\bar{N}}(2N+3956 - (N-2)) + B_{\bar{N}}\left(2N+3956 - \left(\frac{15N}{7} - \frac{572}{7}\right)\right) + B_{\bar{N}}\left(2N+3956 - \left(\frac{16N}{7} - \frac{731}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3958) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28264}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28423}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 28264) *$$

$$B_{\bar{N}}(2N+3957) = B_{\bar{N}}(2N+3957 - B_{\bar{N}}(2N+3956)) + B_{\bar{N}}(2N+3957 - B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3957 - B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3957 - B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3957 - B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3957) + B_{\bar$$

$$B_{\bar{N}}(2N+3958) = B_{\bar{N}}(2N+3958-B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3958-B_{\bar{N}}(2N+3956)) + B_{\bar{N}}(2N+3958-B_{\bar{N}}(2N+3955))$$

$$= B_{\bar{N}}(2N+3958-(36N+23017)) + B_{\bar{N}}(2N+3958-7) + B_{\bar{N}}(2N+3958-(N-2))$$

$$= B_{\bar{N}}(-34N-19059) + B_{\bar{N}}(2N+3951) + B_{\bar{N}}(N+3960) = 0 + (34N+8686) + (2N+558) = 36N+9244$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3959) = B_{\bar{N}}(2N+3959 - B_{\bar{N}}(2N+3958)) + B_{\bar{N}}(2N+3959 - B_{\bar{N}}(2N+3957)) + B_{\bar{N}}(2N+3959 - B_{\bar{N}}(2N+3956))$$

$$= B_{\bar{N}}(2N+3959 - (36N+9244)) + B_{\bar{N}}(2N+3959 - (36N+23017)) + B_{\bar{N}}(2N+3959 - 7)$$

$$= B_{\bar{N}}(-34N-5285) + B_{\bar{N}}(-34N-19058) + B_{\bar{N}}(2N+3952) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3960) = B_{\bar{N}}(2N+3960 - B_{\bar{N}}(2N+3959)) + B_{\bar{N}}(2N+3960 - B_{\bar{N}}(2N+3958)) + B_{\bar{N}}(2N+3960 - B_{\bar{N}}(2N+3957))$$

$$= B_{\bar{N}}(2N+3960 - 4472) + B_{\bar{N}}(2N+3960 - (36N+9244)) + B_{\bar{N}}(2N+3960 - (36N+23017))$$

$$= B_{\bar{N}}(2N-512) + B_{\bar{N}}(-34N-5284) + B_{\bar{N}}(-34N-19057) = \left(\frac{16N}{7} - \frac{717}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{717}{7}$$

$$(N \ge 579)$$

$$B_{\bar{N}}(2N+3961) = B_{\bar{N}}(2N+3961 - B_{\bar{N}}(2N+3960)) + B_{\bar{N}}(2N+3961 - B_{\bar{N}}(2N+3959)) + B_{\bar{N}}(2N+3961 - B_{\bar{N}}(2N+3958))$$

$$= B_{\bar{N}}\left(2N+3961 - \left(\frac{16N}{7} - \frac{717}{7}\right)\right) + B_{\bar{N}}(2N+3961 - 4472) + B_{\bar{N}}(2N+3961 - (36N+9244))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28444}{7}\right) + B_{\bar{N}}(2N-511) + B_{\bar{N}}(-34N-5283) = 0 + \left(\frac{15N}{7} - \frac{565}{7}\right) + 0 = \frac{15N}{7} - \frac{565}{7}$$

$$(N > 14222)$$

$$B_{\bar{N}}(2N+3962) = B_{\bar{N}}(2N+3962 - B_{\bar{N}}(2N+3961)) + B_{\bar{N}}(2N+3962 - B_{\bar{N}}(2N+3960)) + B_{\bar{N}}(2N+3962 - B_{\bar{N}}(2N+3959))$$

$$= B_{\bar{N}}\left(2N+3962 - \left(\frac{15N}{7} - \frac{565}{7}\right)\right) + B_{\bar{N}}\left(2N+3962 - \left(\frac{16N}{7} - \frac{717}{7}\right)\right) + B_{\bar{N}}(2N+3962 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28299}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28451}{7}\right) + B_{\bar{N}}(2N-510) = 0 + 0 + (N-2) = N-2$$

$$(N > 28299) *$$

$$B_{\bar{N}}(2N+3963) = B_{\bar{N}}(2N+3963-B_{\bar{N}}(2N+3962)) + B_{\bar{N}}(2N+3963-B_{\bar{N}}(2N+3961)) + B_{\bar{N}}(2N+3963-B_{\bar{N}}(2N+3960))$$

$$= B_{\bar{N}}(2N+3963-(N-2)) + B_{\bar{N}}\left(2N+3963-\left(\frac{15N}{7}-\frac{565}{7}\right)\right) + B_{\bar{N}}\left(2N+3963-\left(\frac{16N}{7}-\frac{717}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3965) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28306}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28458}{7}\right) = 7+0+0=7$$

$$(N \ge 28306) *$$

$$B_{\bar{N}}(2N+3964) = B_{\bar{N}}(2N+3964-B_{\bar{N}}(2N+3963)) + B_{\bar{N}}(2N+3964-B_{\bar{N}}(2N+3962)) + B_{\bar{N}}(2N+3964-B_{\bar{N}}(2N+3961))$$

$$= B_{\bar{N}}(2N+3964-7) + B_{\bar{N}}(2N+3964-(N-2)) + B_{\bar{N}}\left(2N+3964-\left(\frac{15N}{7}-\frac{565}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3957) + B_{\bar{N}}(N+3966) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28313}{7}\right) = (36N+23017) + (2N+1177) + 0 = 38N+24194$$

$$(N > 28313) *$$

$$B_{\bar{N}}(2N+3965) = B_{\bar{N}}(2N+3965-B_{\bar{N}}(2N+3964)) + B_{\bar{N}}(2N+3965-B_{\bar{N}}(2N+3963)) + B_{\bar{N}}(2N+3965-B_{\bar{N}}(2N+3962))$$

$$= B_{\bar{N}}(2N+3965-(38N+24194)) + B_{\bar{N}}(2N+3965-7) + B_{\bar{N}}(2N+3965-(N-2))$$

$$= B_{\bar{N}}(-36N-20229) + B_{\bar{N}}(2N+3958) + B_{\bar{N}}(N+3967) = 0 + (36N+9244) + (2N+559) = 38N+9803$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3966) = B_{\bar{N}}(2N+3966-B_{\bar{N}}(2N+3965)) + B_{\bar{N}}(2N+3966-B_{\bar{N}}(2N+3964)) + B_{\bar{N}}(2N+3966-B_{\bar{N}}(2N+3963))$$

$$= B_{\bar{N}}(2N+3966-(38N+9803)) + B_{\bar{N}}(2N+3966-(38N+24194)) + B_{\bar{N}}(2N+3966-7)$$

$$= B_{\bar{N}}(-36N-5837) + B_{\bar{N}}(-36N-20228) + B_{\bar{N}}(2N+3959) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3967) = B_{\bar{N}}(2N+3967 - B_{\bar{N}}(2N+3966)) + B_{\bar{N}}(2N+3967 - B_{\bar{N}}(2N+3965)) + B_{\bar{N}}(2N+3967 - B_{\bar{N}}(2N+3964))$$

$$= B_{\bar{N}}(2N+3967 - 4472) + B_{\bar{N}}(2N+3967 - (38N+9803)) + B_{\bar{N}}(2N+3967 - (38N+24194))$$

$$= B_{\bar{N}}(2N-505) + B_{\bar{N}}(-36N-5836) + B_{\bar{N}}(-36N-20227) = \left(\frac{16N}{7} - \frac{703}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{703}{7}$$

$$(N \ge 572)$$

$$B_{\bar{N}}(2N+3968) = B_{\bar{N}}(2N+3968-B_{\bar{N}}(2N+3967)) + B_{\bar{N}}(2N+3968-B_{\bar{N}}(2N+3966)) + B_{\bar{N}}(2N+3968-B_{\bar{N}}(2N+3965))$$

$$= B_{\bar{N}}\left(2N+3968-\left(\frac{16N}{7}-\frac{703}{7}\right)\right) + B_{\bar{N}}(2N+3968-4472) + B_{\bar{N}}(2N+3968-(38N+9803))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28479}{7}\right) + B_{\bar{N}}(2N-504) + B_{\bar{N}}(-36N-5835) = 0 + \left(\frac{15N}{7}-\frac{558}{7}\right) + 0 = \frac{15N}{7}-\frac{558}{7}$$

$$(N \ge 14240)$$

$$B_{\bar{N}}(2N+3969) = B_{\bar{N}}(2N+3969 - B_{\bar{N}}(2N+3968)) + B_{\bar{N}}(2N+3969 - B_{\bar{N}}(2N+3967)) + B_{\bar{N}}(2N+3969 - B_{\bar{N}}(2N+3969))$$

$$= B_{\bar{N}}\left(2N+3969 - \left(\frac{15N}{7} - \frac{558}{7}\right)\right) + B_{\bar{N}}\left(2N+3969 - \left(\frac{16N}{7} - \frac{703}{7}\right)\right) + B_{\bar{N}}(2N+3969 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28341}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28486}{7}\right) + B_{\bar{N}}(2N-503) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28341) *$$

$$B_{\bar{N}}(2N+3970) = B_{\bar{N}}(2N+3970 - B_{\bar{N}}(2N+3969)) + B_{\bar{N}}(2N+3970 - B_{\bar{N}}(2N+3968)) + B_{\bar{N}}(2N+3970 - B_{\bar{N}}(2N+3967))$$

$$= B_{\bar{N}}(2N+3970 - (N-2)) + B_{\bar{N}}\left(2N+3970 - \left(\frac{15N}{7} - \frac{558}{7}\right)\right) + B_{\bar{N}}\left(2N+3970 - \left(\frac{16N}{7} - \frac{703}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3972) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28348}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28493}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28348) *$$

$$B_{\bar{N}}(2N+3971) = B_{\bar{N}}(2N+3971 - B_{\bar{N}}(2N+3970)) + B_{\bar{N}}(2N+3971 - B_{\bar{N}}(2N+3969)) + B_{\bar{N}}(2N+3971 - B_{\bar{N}}(2N+3968))$$

$$= B_{\bar{N}}(2N+3971-7) + B_{\bar{N}}(2N+3971-(N-2)) + B_{\bar{N}}\left(2N+3971 - \left(\frac{15N}{7} - \frac{558}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3964) + B_{\bar{N}}(N+3973) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28355}{7}\right) = (38N+24194) + (2N+1179) + 0 = 40N+25373$$

$$(N > 28355) *$$

$$\begin{split} B_{\bar{N}}(2N+3972) &= B_{\bar{N}}(2N+3972-B_{\bar{N}}(2N+3971)) + B_{\bar{N}}(2N+3972-B_{\bar{N}}(2N+3970)) + B_{\bar{N}}(2N+3972-B_{\bar{N}}(2N+3969)) \\ &= B_{\bar{N}}(2N+3972-(40N+25373)) + B_{\bar{N}}(2N+3972-7) + B_{\bar{N}}(2N+3972-(N-2)) \\ &= B_{\bar{N}}(-38N-21401) + B_{\bar{N}}(2N+3965) + B_{\bar{N}}(N+3974) = 0 + (38N+9803) + (2N+560) = 40N+10363 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+3973) &= B_{\bar{N}}(2N+3973-B_{\bar{N}}(2N+3972)) + B_{\bar{N}}(2N+3973-B_{\bar{N}}(2N+3971)) + B_{\bar{N}}(2N+3973-B_{\bar{N}}(2N+3970)) \\ &= B_{\bar{N}}(2N+3973-(40N+10363)) + B_{\bar{N}}(2N+3973-(40N+25373)) + B_{\bar{N}}(2N+3973-7) \\ &= B_{\bar{N}}(-38N-6390) + B_{\bar{N}}(-38N-21400) + B_{\bar{N}}(2N+3966) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+3974) = B_{\bar{N}}(2N+3974-B_{\bar{N}}(2N+3973)) + B_{\bar{N}}(2N+3974-B_{\bar{N}}(2N+3972)) + B_{\bar{N}}(2N+3974-B_{\bar{N}}(2N+3971))$$

$$= B_{\bar{N}}(2N+3974-4472) + B_{\bar{N}}(2N+3974-(40N+10363)) + B_{\bar{N}}(2N+3974-(40N+25373))$$

$$= B_{\bar{N}}(2N-498) + B_{\bar{N}}(-38N-6389) + B_{\bar{N}}(-38N-21399) = \left(\frac{16N}{7} - \frac{689}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{689}{7}$$

$$(N \ge 565)$$

$$B_{\bar{N}}(2N+3975) = B_{\bar{N}}(2N+3975 - B_{\bar{N}}(2N+3974)) + B_{\bar{N}}(2N+3975 - B_{\bar{N}}(2N+3973)) + B_{\bar{N}}(2N+3975 - B_{\bar{N}}(2N+3972))$$

$$= B_{\bar{N}}\left(2N+3975 - \left(\frac{16N}{7} - \frac{689}{7}\right)\right) + B_{\bar{N}}(2N+3975 - 4472) + B_{\bar{N}}(2N+3975 - (40N+10363))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28514}{7}\right) + B_{\bar{N}}(2N-497) + B_{\bar{N}}(-38N-6388) = 0 + \left(\frac{15N}{7} - \frac{551}{7}\right) + 0 = \frac{15N}{7} - \frac{551}{7}$$

$$(N \ge 14257)$$

$$B_{\bar{N}}(2N+3976) = B_{\bar{N}}(2N+3976 - B_{\bar{N}}(2N+3975)) + B_{\bar{N}}(2N+3976 - B_{\bar{N}}(2N+3974)) + B_{\bar{N}}(2N+3976 - B_{\bar{N}}(2N+3973))$$

$$= B_{\bar{N}}\left(2N+3976 - \left(\frac{15N}{7} - \frac{551}{7}\right)\right) + B_{\bar{N}}\left(2N+3976 - \left(\frac{16N}{7} - \frac{689}{7}\right)\right) + B_{\bar{N}}(2N+3976 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28383}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28521}{7}\right) + B_{\bar{N}}(2N-496) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28383) *$$

$$B_{\bar{N}}(2N+3977) = B_{\bar{N}}(2N+3977 - B_{\bar{N}}(2N+3976)) + B_{\bar{N}}(2N+3977 - B_{\bar{N}}(2N+3975)) + B_{\bar{N}}(2N+3977 - B_{\bar{N}}(2N+3974))$$

$$= B_{\bar{N}}(2N+3977 - (N-2)) + B_{\bar{N}}\left(2N+3977 - \left(\frac{15N}{7} - \frac{551}{7}\right)\right) + B_{\bar{N}}\left(2N+3977 - \left(\frac{16N}{7} - \frac{689}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3979) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28390}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28528}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28390) *$$

$$B_{\bar{N}}(2N+3978) = B_{\bar{N}}(2N+3978-B_{\bar{N}}(2N+3977)) + B_{\bar{N}}(2N+3978-B_{\bar{N}}(2N+3976)) + B_{\bar{N}}(2N+3978-B_{\bar{N}}(2N+3978))$$

$$= B_{\bar{N}}(2N+3978-7) + B_{\bar{N}}(2N+3978-(N-2)) + B_{\bar{N}}\left(2N+3978-\left(\frac{15N}{7}-\frac{551}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3971) + B_{\bar{N}}(N+3980) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28397}{7}\right) = (40N+25373) + (2N+1181) + 0 = 42N+26554$$

$$(N \ge 28397) *$$

$$B_{\bar{N}}(2N+3979) = B_{\bar{N}}(2N+3979 - B_{\bar{N}}(2N+3978)) + B_{\bar{N}}(2N+3979 - B_{\bar{N}}(2N+3977)) + B_{\bar{N}}(2N+3979 - B_{\bar{N}}(2N+3976))$$

$$= B_{\bar{N}}(2N+3979 - (42N+26554)) + B_{\bar{N}}(2N+3979 - 7) + B_{\bar{N}}(2N+3979 - (N-2))$$

$$= B_{\bar{N}}(-40N-22575) + B_{\bar{N}}(2N+3972) + B_{\bar{N}}(N+3981) = 0 + (40N+10363) + (2N+561) = 42N+10924$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3980) = B_{\bar{N}}(2N+3980-B_{\bar{N}}(2N+3979)) + B_{\bar{N}}(2N+3980-B_{\bar{N}}(2N+3978)) + B_{\bar{N}}(2N+3980-B_{\bar{N}}(2N+3977))$$

$$= B_{\bar{N}}(2N+3980-(42N+10924)) + B_{\bar{N}}(2N+3980-(42N+26554)) + B_{\bar{N}}(2N+3980-7)$$

$$= B_{\bar{N}}(-40N-6944) + B_{\bar{N}}(-40N-22574) + B_{\bar{N}}(2N+3973) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3981) = B_{\bar{N}}(2N+3981 - B_{\bar{N}}(2N+3980)) + B_{\bar{N}}(2N+3981 - B_{\bar{N}}(2N+3979)) + B_{\bar{N}}(2N+3981 - B_{\bar{N}}(2N+3978))$$

$$= B_{\bar{N}}(2N+3981 - 4472) + B_{\bar{N}}(2N+3981 - (42N+10924)) + B_{\bar{N}}(2N+3981 - (42N+26554))$$

$$= B_{\bar{N}}(2N-491) + B_{\bar{N}}(-40N-6943) + B_{\bar{N}}(-40N-22573) = \left(\frac{16N}{7} - \frac{675}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{675}{7}$$

$$(N > 558)$$

$$B_{\bar{N}}(2N+3982) = B_{\bar{N}}(2N+3982-B_{\bar{N}}(2N+3981)) + B_{\bar{N}}(2N+3982-B_{\bar{N}}(2N+3980)) + B_{\bar{N}}(2N+3982-B_{\bar{N}}(2N+3979))$$

$$= B_{\bar{N}}\left(2N+3982-\left(\frac{16N}{7}-\frac{675}{7}\right)\right) + B_{\bar{N}}(2N+3982-4472) + B_{\bar{N}}(2N+3982-(42N+10924))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28549}{7}\right) + B_{\bar{N}}(2N-490) + B_{\bar{N}}(-40N-6942) = 0 + \left(\frac{15N}{7}-\frac{544}{7}\right) + 0 = \frac{15N}{7}-\frac{544}{7}$$

$$(N \ge 14275)$$

$$B_{\bar{N}}(2N+3983) = B_{\bar{N}}(2N+3983-B_{\bar{N}}(2N+3982)) + B_{\bar{N}}(2N+3983-B_{\bar{N}}(2N+3981)) + B_{\bar{N}}(2N+3983-B_{\bar{N}}(2N+3980))$$

$$= B_{\bar{N}}\left(2N+3983-\left(\frac{15N}{7}-\frac{544}{7}\right)\right) + B_{\bar{N}}\left(2N+3983-\left(\frac{16N}{7}-\frac{675}{7}\right)\right) + B_{\bar{N}}(2N+3983-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{28425}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28556}{7}\right) + B_{\bar{N}}(2N-489) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28425) *$$

$$B_{\bar{N}}(2N+3984) = B_{\bar{N}}(2N+3984-B_{\bar{N}}(2N+3983)) + B_{\bar{N}}(2N+3984-B_{\bar{N}}(2N+3982)) + B_{\bar{N}}(2N+3984-B_{\bar{N}}(2N+3981))$$

$$= B_{\bar{N}}(2N+3984-(N-2)) + B_{\bar{N}}\left(2N+3984-\left(\frac{15N}{7}-\frac{544}{7}\right)\right) + B_{\bar{N}}\left(2N+3984-\left(\frac{16N}{7}-\frac{675}{7}\right)\right)$$

$$= B_{\bar{N}}(N+3986) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28432}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28563}{7}\right) = 7+0+0=7$$

$$(N > 28432) *$$

$$B_{\bar{N}}(2N+3985) = B_{\bar{N}}(2N+3985-B_{\bar{N}}(2N+3984)) + B_{\bar{N}}(2N+3985-B_{\bar{N}}(2N+3983)) + B_{\bar{N}}(2N+3985-B_{\bar{N}}(2N+3985))$$

$$= B_{\bar{N}}(2N+3985-7) + B_{\bar{N}}(2N+3985-(N-2)) + B_{\bar{N}}\left(2N+3985-\left(\frac{15N}{7}-\frac{544}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3978) + B_{\bar{N}}(N+3987) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28439}{7}\right) = (42N+26554) + (2N+1183) + 0 = 44N+27737$$

$$(N \ge 28439) *$$

$$B_{\bar{N}}(2N+3986) = B_{\bar{N}}(2N+3986-B_{\bar{N}}(2N+3985)) + B_{\bar{N}}(2N+3986-B_{\bar{N}}(2N+3984)) + B_{\bar{N}}(2N+3986-B_{\bar{N}}(2N+3983))$$

$$= B_{\bar{N}}(2N+3986-(44N+27737)) + B_{\bar{N}}(2N+3986-7) + B_{\bar{N}}(2N+3986-(N-2))$$

$$= B_{\bar{N}}(-42N-23751) + B_{\bar{N}}(2N+3979) + B_{\bar{N}}(N+3988) = 0 + (42N+10924) + (2N+562) = 44N+11486$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3987) = B_{\bar{N}}(2N+3987-B_{\bar{N}}(2N+3986)) + B_{\bar{N}}(2N+3987-B_{\bar{N}}(2N+3985)) + B_{\bar{N}}(2N+3987-B_{\bar{N}}(2N+3984))$$

$$= B_{\bar{N}}(2N+3987-(44N+11486)) + B_{\bar{N}}(2N+3987-(44N+27737)) + B_{\bar{N}}(2N+3987-7)$$

$$= B_{\bar{N}}(-42N-7499) + B_{\bar{N}}(-42N-23750) + B_{\bar{N}}(2N+3980) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3988) = B_{\bar{N}}(2N+3988 - B_{\bar{N}}(2N+3987)) + B_{\bar{N}}(2N+3988 - B_{\bar{N}}(2N+3986)) + B_{\bar{N}}(2N+3988 - B_{\bar{N}}(2N+3985))$$

$$= B_{\bar{N}}(2N+3988-4472) + B_{\bar{N}}(2N+3988 - (44N+11486)) + B_{\bar{N}}(2N+3988 - (44N+27737))$$

$$= B_{\bar{N}}(2N-484) + B_{\bar{N}}(-42N-7498) + B_{\bar{N}}(-42N-23749) = \left(\frac{16N}{7} - \frac{661}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{661}{7}$$

$$(N \ge 551)$$

$$B_{\bar{N}}(2N+3989) = B_{\bar{N}}(2N+3989 - B_{\bar{N}}(2N+3988)) + B_{\bar{N}}(2N+3989 - B_{\bar{N}}(2N+3987)) + B_{\bar{N}}(2N+3989 - B_{\bar{N$$

$$B_{\bar{N}}(2N+3990) = B_{\bar{N}}(2N+3990 - B_{\bar{N}}(2N+3989)) + B_{\bar{N}}(2N+3990 - B_{\bar{N}}(2N+3988)) + B_{\bar{N}}(2N+3990 - B_{\bar{N}}(2N+3987))$$

$$= B_{\bar{N}}\left(2N+3990 - \left(\frac{15N}{7} - \frac{537}{7}\right)\right) + B_{\bar{N}}\left(2N+3990 - \left(\frac{16N}{7} - \frac{661}{7}\right)\right) + B_{\bar{N}}(2N+3990 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28467}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28591}{7}\right) + B_{\bar{N}}(2N-482) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28467) *$$

$$B_{\bar{N}}(2N+3991) = B_{\bar{N}}(2N+3991 - B_{\bar{N}}(2N+3990)) + B_{\bar{N}}(2N+3991 - B_{\bar{N}}(2N+3991) + B_{\bar{N}}(2N+3991 - B_{\bar{N}}(2N+3989)) + B_{\bar{N}}(2N+3991 - B_{\bar{N}}(2N+3991)) + B_{\bar{N}}(2N+3991 - B_{\bar{N}}(2N+3991) + B_{\bar{N$$

$$B_{\bar{N}}(2N+3992) = B_{\bar{N}}(2N+3992 - B_{\bar{N}}(2N+3991)) + B_{\bar{N}}(2N+3992 - B_{\bar{N}}(2N+3990)) + B_{\bar{N}}(2N+3992 - B_{\bar{N}}(2N+3992))$$

$$= B_{\bar{N}}(2N+3992-7) + B_{\bar{N}}(2N+3992-(N-2)) + B_{\bar{N}}\left(2N+3992 - \left(\frac{15N}{7} - \frac{537}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3985) + B_{\bar{N}}(N+3994) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28481}{7}\right) = (44N+27737) + (2N+1185) + 0 = 46N + 28922$$

$$(N > 28481) *$$

$$B_{\bar{N}}(2N+3993) = B_{\bar{N}}(2N+3993-B_{\bar{N}}(2N+3992)) + B_{\bar{N}}(2N+3993-B_{\bar{N}}(2N+3991)) + B_{\bar{N}}(2N+3993-B_{\bar{N}}(2N+3990))$$

$$= B_{\bar{N}}(2N+3993-(46N+28922)) + B_{\bar{N}}(2N+3993-7) + B_{\bar{N}}(2N+3993-(N-2))$$

$$= B_{\bar{N}}(-44N-24929) + B_{\bar{N}}(2N+3986) + B_{\bar{N}}(N+3995) = 0 + (44N+11486) + (2N+563) = 46N+12049$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3994) = B_{\bar{N}}(2N+3994-B_{\bar{N}}(2N+3993)) + B_{\bar{N}}(2N+3994-B_{\bar{N}}(2N+3992)) + B_{\bar{N}}(2N+3994-B_{\bar{N}}(2N+3991))$$

$$= B_{\bar{N}}(2N+3994-(46N+12049)) + B_{\bar{N}}(2N+3994-(46N+28922)) + B_{\bar{N}}(2N+3994-7)$$

$$= B_{\bar{N}}(-44N-8055) + B_{\bar{N}}(-44N-24928) + B_{\bar{N}}(2N+3987) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+3995) = B_{\bar{N}}(2N+3995 - B_{\bar{N}}(2N+3994)) + B_{\bar{N}}(2N+3995 - B_{\bar{N}}(2N+3993)) + B_{\bar{N}}(2N+3995 - B_{\bar{N}}(2N+3992))$$

$$= B_{\bar{N}}(2N+3995 - 4472) + B_{\bar{N}}(2N+3995 - (46N+12049)) + B_{\bar{N}}(2N+3995 - (46N+28922))$$

$$= B_{\bar{N}}(2N-477) + B_{\bar{N}}(-44N-8054) + B_{\bar{N}}(-44N-24927) = \left(\frac{16N}{7} - \frac{647}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{647}{7}$$

$$(N \ge 544)$$

$$B_{\bar{N}}(2N+3996) = B_{\bar{N}}(2N+3996 - B_{\bar{N}}(2N+3995)) + B_{\bar{N}}(2N+3996 - B_{\bar{N}}(2N+3994)) + B_{\bar{N}}(2N+3996 - B_{\bar{N}}(2N+3993))$$

$$= B_{\bar{N}}\left(2N+3996 - \left(\frac{16N}{7} - \frac{647}{7}\right)\right) + B_{\bar{N}}(2N+3996 - 4472) + B_{\bar{N}}(2N+3996 - (46N+12049))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28619}{7}\right) + B_{\bar{N}}(2N-476) + B_{\bar{N}}(-44N-8053) = 0 + \left(\frac{15N}{7} - \frac{530}{7}\right) + 0 = \frac{15N}{7} - \frac{530}{7}$$

$$(N > 14310)$$

$$\begin{split} B_{\bar{N}}(2N+3997) &= B_{\bar{N}}(2N+3997 - B_{\bar{N}}(2N+3996)) + B_{\bar{N}}(2N+3997 - B_{\bar{N}}(2N+3995)) + B_{\bar{N}}(2N+3997 - B_{\bar{N}}(2N+3994)) \\ &= B_{\bar{N}}\bigg(2N+3997 - \bigg(\frac{15N}{7} - \frac{530}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+3997 - \bigg(\frac{16N}{7} - \frac{647}{7}\bigg)\bigg) + B_{\bar{N}}(2N+3997 - 4472) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7} + \frac{28509}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{2N}{7} + \frac{28626}{7}\bigg) + B_{\bar{N}}(2N-475) = 0 + 0 + (N-2) = N-2 \\ &(N \ge 28509) * \end{split}$$

$$B_{\bar{N}}(2N+3998) = B_{\bar{N}}(2N+3998-B_{\bar{N}}(2N+3997)) + B_{\bar{N}}(2N+3998-B_{\bar{N}}(2N+3996)) + B_{\bar{N}}(2N+3998-B_{\bar{N}}(2N+3995))$$

$$= B_{\bar{N}}(2N+3998-(N-2)) + B_{\bar{N}}\left(2N+3998-\left(\frac{15N}{7}-\frac{530}{7}\right)\right) + B_{\bar{N}}\left(2N+3998-\left(\frac{16N}{7}-\frac{647}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4000) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28516}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28633}{7}\right) = 7+0+0=7$$

$$(N > 28516) *$$

$$B_{\bar{N}}(2N+3999) = B_{\bar{N}}(2N+3999 - B_{\bar{N}}(2N+3998)) + B_{\bar{N}}(2N+3999 - B_{\bar{N}}(2N+3997)) + B_{\bar{N}}(2N+3999 - B_{\bar{N}}(2N+3996))$$

$$= B_{\bar{N}}(2N+3999-7) + B_{\bar{N}}(2N+3999-(N-2)) + B_{\bar{N}}\left(2N+3999 - \left(\frac{15N}{7} - \frac{530}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3992) + B_{\bar{N}}(N+4001) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28523}{7}\right) = (46N+28922) + (2N+1187) + 0 = 48N + 30109$$

$$(N \ge 28523) *$$

$$\begin{split} B_{\bar{N}}(2N+4000) &= B_{\bar{N}}(2N+4000-B_{\bar{N}}(2N+3999)) + B_{\bar{N}}(2N+4000-B_{\bar{N}}(2N+3998)) + B_{\bar{N}}(2N+4000-B_{\bar{N}}(2N+3997)) \\ &= B_{\bar{N}}(2N+4000-(48N+30109)) + B_{\bar{N}}(2N+4000-7) + B_{\bar{N}}(2N+4000-(N-2)) \\ &= B_{\bar{N}}(-46N-26109) + B_{\bar{N}}(2N+3993) + B_{\bar{N}}(N+4002) = 0 + (46N+12049) + (2N+564) = 48N+12613 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+4001) &= B_{\bar{N}}(2N+4001-B_{\bar{N}}(2N+4000)) + B_{\bar{N}}(2N+4001-B_{\bar{N}}(2N+3999)) + B_{\bar{N}}(2N+4001-B_{\bar{N}}(2N+3998)) \\ &= B_{\bar{N}}(2N+4001-(48N+12613)) + B_{\bar{N}}(2N+4001-(48N+30109)) + B_{\bar{N}}(2N+4001-7) \\ &= B_{\bar{N}}(-46N-8612) + B_{\bar{N}}(-46N-26108) + B_{\bar{N}}(2N+3994) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4002) = B_{\bar{N}}(2N+4002 - B_{\bar{N}}(2N+4001)) + B_{\bar{N}}(2N+4002 - B_{\bar{N}}(2N+4000)) + B_{\bar{N}}(2N+4002 - B_{\bar{N}}(2N+3999))$$

$$= B_{\bar{N}}(2N+4002 - 4472) + B_{\bar{N}}(2N+4002 - (48N+12613)) + B_{\bar{N}}(2N+4002 - (48N+30109))$$

$$= B_{\bar{N}}(2N-470) + B_{\bar{N}}(-46N-8611) + B_{\bar{N}}(-46N-26107) = \left(\frac{16N}{7} - \frac{633}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{633}{7}$$

$$(N \ge 537)$$

$$B_{\bar{N}}(2N+4003) = B_{\bar{N}}(2N+4003 - B_{\bar{N}}(2N+4002)) + B_{\bar{N}}(2N+4003 - B_{\bar{N}}(2N+4001)) + B_{\bar{N}}(2N+4003 - B_{\bar{N}}(2N+4000))$$

$$= B_{\bar{N}}\left(2N+4003 - \left(\frac{16N}{7} - \frac{633}{7}\right)\right) + B_{\bar{N}}(2N+4003 - 4472) + B_{\bar{N}}(2N+4003 - (48N+12613))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28654}{7}\right) + B_{\bar{N}}(2N-469) + B_{\bar{N}}(-46N-8610) = 0 + \left(\frac{15N}{7} - \frac{523}{7}\right) + 0 = \frac{15N}{7} - \frac{523}{7}$$

$$(N \ge 14327)$$

$$B_{\bar{N}}(2N+4004) = B_{\bar{N}}(2N+4004 - B_{\bar{N}}(2N+4003)) + B_{\bar{N}}(2N+4004 - B_{\bar{N}}(2N+4002)) + B_{\bar{N}}(2N+4004 - B_{\bar{N}}(2N+4001))$$

$$= B_{\bar{N}}\left(2N+4004 - \left(\frac{15N}{7} - \frac{523}{7}\right)\right) + B_{\bar{N}}\left(2N+4004 - \left(\frac{16N}{7} - \frac{633}{7}\right)\right) + B_{\bar{N}}(2N+4004 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28551}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28661}{7}\right) + B_{\bar{N}}(2N-468) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28551) *$$

$$B_{\bar{N}}(2N+4005) = B_{\bar{N}}(2N+4005 - B_{\bar{N}}(2N+4004)) + B_{\bar{N}}(2N+4005 - B_{\bar{N}}(2N+4003)) + B_{\bar{N}}(2N+4005 - B_{\bar{N}}(2N+4005))$$

$$= B_{\bar{N}}(2N+4005 - (N-2)) + B_{\bar{N}}\left(2N+4005 - \left(\frac{15N}{7} - \frac{523}{7}\right)\right) + B_{\bar{N}}\left(2N+4005 - \left(\frac{16N}{7} - \frac{633}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4007) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28558}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28668}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28558) *$$

$$B_{\bar{N}}(2N+4006) = B_{\bar{N}}(2N+4006-B_{\bar{N}}(2N+4005)) + B_{\bar{N}}(2N+4006-B_{\bar{N}}(2N+4004)) + B_{\bar{N}}(2N+4006-B_{\bar{N}}(2N+4003))$$

$$= B_{\bar{N}}(2N+4006-7) + B_{\bar{N}}(2N+4006-(N-2)) + B_{\bar{N}}\left(2N+4006-\left(\frac{15N}{7}-\frac{523}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+3999) + B_{\bar{N}}(N+4008) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28565}{7}\right) = (48N+30109) + (2N+1189) + 0 = 50N+31298$$

$$(N \ge 28565) *$$

$$B_{\bar{N}}(2N+4007) = B_{\bar{N}}(2N+4007-B_{\bar{N}}(2N+4006)) + B_{\bar{N}}(2N+4007-B_{\bar{N}}(2N+4005)) + B_{\bar{N}}(2N+4007-B_{\bar{N}}(2N+4004))$$

$$= B_{\bar{N}}(2N+4007-(50N+31298)) + B_{\bar{N}}(2N+4007-7) + B_{\bar{N}}(2N+4007-(N-2))$$

$$= B_{\bar{N}}(-48N-27291) + B_{\bar{N}}(2N+4000) + B_{\bar{N}}(N+4009) = 0 + (48N+12613) + (2N+565) = 50N+13178$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4008) &= B_{\bar{N}}(2N+4008-B_{\bar{N}}(2N+4007)) + B_{\bar{N}}(2N+4008-B_{\bar{N}}(2N+4006)) + B_{\bar{N}}(2N+4008-B_{\bar{N}}(2N+4005)) \\ &= B_{\bar{N}}(2N+4008-(50N+13178)) + B_{\bar{N}}(2N+4008-(50N+31298)) + B_{\bar{N}}(2N+4008-7) \\ &= B_{\bar{N}}(-48N-9170) + B_{\bar{N}}(-48N-27290) + B_{\bar{N}}(2N+4001) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4009) = B_{\bar{N}}(2N+4009 - B_{\bar{N}}(2N+4008)) + B_{\bar{N}}(2N+4009 - B_{\bar{N}}(2N+4007)) + B_{\bar{N}}(2N+4009 - B_{\bar{N}}(2N+4006))$$

$$= B_{\bar{N}}(2N+4009 - 4472) + B_{\bar{N}}(2N+4009 - (50N+13178)) + B_{\bar{N}}(2N+4009 - (50N+31298))$$

$$= B_{\bar{N}}(2N-463) + B_{\bar{N}}(-48N-9169) + B_{\bar{N}}(-48N-27289) = \left(\frac{16N}{7} - \frac{619}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{619}{7}$$

$$(N > 530)$$

$$B_{\bar{N}}(2N+4010) = B_{\bar{N}}(2N+4010 - B_{\bar{N}}(2N+4009)) + B_{\bar{N}}(2N+4010 - B_{\bar{N}}(2N+4008)) + B_{\bar{N}}(2N+4010 - B_{\bar{N}}(2N+4007))$$

$$= B_{\bar{N}}\left(2N+4010 - \left(\frac{16N}{7} - \frac{619}{7}\right)\right) + B_{\bar{N}}(2N+4010 - 4472) + B_{\bar{N}}(2N+4010 - (50N+13178))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28689}{7}\right) + B_{\bar{N}}(2N-462) + B_{\bar{N}}(-48N-9168) = 0 + \left(\frac{15N}{7} - \frac{516}{7}\right) + 0 = \frac{15N}{7} - \frac{516}{7}$$

$$(N \ge 14345)$$

$$B_{\bar{N}}(2N+4011) = B_{\bar{N}}(2N+4011 - B_{\bar{N}}(2N+4010)) + B_{\bar{N}}(2N+4011 - B_{\bar{N}}(2N+4009)) + B_{\bar{N}}(2N+4011 - B_{\bar{N}}(2N+4008))$$

$$= B_{\bar{N}}\left(2N+4011 - \left(\frac{15N}{7} - \frac{516}{7}\right)\right) + B_{\bar{N}}\left(2N+4011 - \left(\frac{16N}{7} - \frac{619}{7}\right)\right) + B_{\bar{N}}(2N+4011 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28593}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28696}{7}\right) + B_{\bar{N}}(2N-461) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28593) *$$

$$B_{\bar{N}}(2N+4012) = B_{\bar{N}}(2N+4012 - B_{\bar{N}}(2N+4011)) + B_{\bar{N}}(2N+4012 - B_{\bar{N}}(2N+4010)) + B_{\bar{N}}(2N+4012 - B_{\bar{N}}(2N+4009))$$

$$= B_{\bar{N}}(2N+4012 - (N-2)) + B_{\bar{N}}\left(2N+4012 - \left(\frac{15N}{7} - \frac{516}{7}\right)\right) + B_{\bar{N}}\left(2N+4012 - \left(\frac{16N}{7} - \frac{619}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4014) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28600}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28703}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 28600) *$$

$$B_{\bar{N}}(2N+4013) = B_{\bar{N}}(2N+4013 - B_{\bar{N}}(2N+4012)) + B_{\bar{N}}(2N+4013 - B_{\bar{N}}(2N+4011)) + B_{\bar{N}}(2N+4013 - B_{\bar{N}}(2N+4010))$$

$$= B_{\bar{N}}(2N+4013-7) + B_{\bar{N}}(2N+4013-(N-2)) + B_{\bar{N}}\left(2N+4013 - \left(\frac{15N}{7} - \frac{516}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4006) + B_{\bar{N}}(N+4015) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28607}{7}\right) = (50N+31298) + (2N+1191) + 0 = 52N+32489$$

$$(N \ge 28607) *$$

$$B_{\bar{N}}(2N+4014) = B_{\bar{N}}(2N+4014-B_{\bar{N}}(2N+4013)) + B_{\bar{N}}(2N+4014-B_{\bar{N}}(2N+4012)) + B_{\bar{N}}(2N+4014-B_{\bar{N}}(2N+4011))$$

$$= B_{\bar{N}}(2N+4014-(52N+32489)) + B_{\bar{N}}(2N+4014-7) + B_{\bar{N}}(2N+4014-(N-2))$$

$$= B_{\bar{N}}(-50N-28475) + B_{\bar{N}}(2N+4007) + B_{\bar{N}}(N+4016) = 0 + (50N+13178) + (2N+566) = 52N+13744$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4015) = B_{\bar{N}}(2N+4015-B_{\bar{N}}(2N+4014)) + B_{\bar{N}}(2N+4015-B_{\bar{N}}(2N+4013)) + B_{\bar{N}}(2N+4015-B_{\bar{N}}(2N+4012))$$

$$= B_{\bar{N}}(2N+4015-(52N+13744)) + B_{\bar{N}}(2N+4015-(52N+32489)) + B_{\bar{N}}(2N+4015-7)$$

$$= B_{\bar{N}}(-50N-9729) + B_{\bar{N}}(-50N-28474) + B_{\bar{N}}(2N+4008) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4016) = B_{\bar{N}}(2N+4016 - B_{\bar{N}}(2N+4015)) + B_{\bar{N}}(2N+4016 - B_{\bar{N}}(2N+4014)) + B_{\bar{N}}(2N+4016 - B_{\bar{N}}(2N+4013))$$

$$= B_{\bar{N}}(2N+4016 - 4472) + B_{\bar{N}}(2N+4016 - (52N+13744)) + B_{\bar{N}}(2N+4016 - (52N+32489))$$

$$= B_{\bar{N}}(2N-456) + B_{\bar{N}}(-50N-9728) + B_{\bar{N}}(-50N-28473) = \left(\frac{16N}{7} - \frac{605}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{605}{7}$$

$$(N > 523)$$

$$B_{\bar{N}}(2N+4017) = B_{\bar{N}}(2N+4017 - B_{\bar{N}}(2N+4016)) + B_{\bar{N}}(2N+4017 - B_{\bar{N}}(2N+4015)) + B_{\bar{N}}(2N+4017 - B_{\bar{N}}(2N+4014))$$

$$= B_{\bar{N}}\left(2N+4017 - \left(\frac{16N}{7} - \frac{605}{7}\right)\right) + B_{\bar{N}}(2N+4017 - 4472) + B_{\bar{N}}(2N+4017 - (52N+13744))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28724}{7}\right) + B_{\bar{N}}(2N-455) + B_{\bar{N}}(-50N-9727) = 0 + \left(\frac{15N}{7} - \frac{509}{7}\right) + 0 = \frac{15N}{7} - \frac{509}{7}$$

$$(N > 14362)$$

$$B_{\bar{N}}(2N+4018) = B_{\bar{N}}(2N+4018 - B_{\bar{N}}(2N+4017)) + B_{\bar{N}}(2N+4018 - B_{\bar{N}}(2N+4016)) + B_{\bar{N}}(2N+4018 - B_{\bar{N}}(2N+4015))$$

$$= B_{\bar{N}}\left(2N+4018 - \left(\frac{15N}{7} - \frac{509}{7}\right)\right) + B_{\bar{N}}\left(2N+4018 - \left(\frac{16N}{7} - \frac{605}{7}\right)\right) + B_{\bar{N}}(2N+4018 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28635}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28731}{7}\right) + B_{\bar{N}}(2N-454) = 0 + 0 + (N-2) = N-2$$

$$(N > 28635) *$$

$$B_{\bar{N}}(2N+4019) = B_{\bar{N}}(2N+4019 - B_{\bar{N}}(2N+4018)) + B_{\bar{N}}(2N+4019 - B_{\bar{N}}(2N+4017)) + B_{\bar{N}}(2N+4019 - B_{\bar{N}}(2N+4016))$$

$$= B_{\bar{N}}(2N+4019 - (N-2)) + B_{\bar{N}}\left(2N+4019 - \left(\frac{15N}{7} - \frac{509}{7}\right)\right) + B_{\bar{N}}\left(2N+4019 - \left(\frac{16N}{7} - \frac{605}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4021) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28642}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28738}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28642) *$$

$$B_{\bar{N}}(2N+4020) = B_{\bar{N}}(2N+4020 - B_{\bar{N}}(2N+4019)) + B_{\bar{N}}(2N+4020 - B_{\bar{N}}(2N+4018)) + B_{\bar{N}}(2N+4020 - B_{\bar{N}}(2N+4017))$$

$$= B_{\bar{N}}(2N+4020-7) + B_{\bar{N}}(2N+4020 - (N-2)) + B_{\bar{N}}\left(2N+4020 - \left(\frac{15N}{7} - \frac{509}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4013) + B_{\bar{N}}(N+4022) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28649}{7}\right) = (52N+32489) + (2N+1193) + 0 = 54N+33682$$

$$(N \ge 28649) *$$

$$B_{\bar{N}}(2N+4021) = B_{\bar{N}}(2N+4021-B_{\bar{N}}(2N+4020)) + B_{\bar{N}}(2N+4021-B_{\bar{N}}(2N+4019)) + B_{\bar{N}}(2N+4021-B_{\bar{N}}(2N+4018))$$

$$= B_{\bar{N}}(2N+4021-(54N+33682)) + B_{\bar{N}}(2N+4021-7) + B_{\bar{N}}(2N+4021-(N-2))$$

$$= B_{\bar{N}}(-52N-29661) + B_{\bar{N}}(2N+4014) + B_{\bar{N}}(N+4023) = 0 + (52N+13744) + (2N+567) = 54N+14311$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4022) = B_{\bar{N}}(2N+4022-B_{\bar{N}}(2N+4021)) + B_{\bar{N}}(2N+4022-B_{\bar{N}}(2N+4020)) + B_{\bar{N}}(2N+4022-B_{\bar{N}}(2N+4019))$$

$$= B_{\bar{N}}(2N+4022-(54N+14311)) + B_{\bar{N}}(2N+4022-(54N+33682)) + B_{\bar{N}}(2N+4022-7)$$

$$= B_{\bar{N}}(-52N-10289) + B_{\bar{N}}(-52N-29660) + B_{\bar{N}}(2N+4015) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4023) = B_{\bar{N}}(2N+4023 - B_{\bar{N}}(2N+4022)) + B_{\bar{N}}(2N+4023 - B_{\bar{N}}(2N+4021)) + B_{\bar{N}}(2N+4023 - B_{\bar{N}}(2N+4020))$$

$$= B_{\bar{N}}(2N+4023 - 4472) + B_{\bar{N}}(2N+4023 - (54N+14311)) + B_{\bar{N}}(2N+4023 - (54N+33682))$$

$$= B_{\bar{N}}(2N-449) + B_{\bar{N}}(-52N-10288) + B_{\bar{N}}(-52N-29659) = \left(\frac{16N}{7} - \frac{591}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{591}{7}$$

$$(N \ge 516)$$

$$B_{\bar{N}}(2N+4024) = B_{\bar{N}}(2N+4024-B_{\bar{N}}(2N+4023)) + B_{\bar{N}}(2N+4024-B_{\bar{N}}(2N+4022)) + B_{\bar{N}}(2N+4024-B_{\bar{N}}(2N+4021))$$

$$= B_{\bar{N}}\left(2N+4024-\left(\frac{16N}{7}-\frac{591}{7}\right)\right) + B_{\bar{N}}(2N+4024-4472) + B_{\bar{N}}(2N+4024-(54N+14311))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28759}{7}\right) + B_{\bar{N}}(2N-448) + B_{\bar{N}}(-52N-10287) = 0 + \left(\frac{15N}{7}-\frac{502}{7}\right) + 0 = \frac{15N}{7}-\frac{502}{7}$$

$$(N > 14380)$$

$$\begin{split} B_{\bar{N}}(2N+4025) &= B_{\bar{N}}(2N+4025 - B_{\bar{N}}(2N+4024)) + B_{\bar{N}}(2N+4025 - B_{\bar{N}}(2N+4023)) + B_{\bar{N}}(2N+4025 - B_{\bar{N}}(2N+4025)) \\ &= B_{\bar{N}}\bigg(2N+4025 - \bigg(\frac{15N}{7} - \frac{502}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+4025 - \bigg(\frac{16N}{7} - \frac{591}{7}\bigg)\bigg) + B_{\bar{N}}(2N+4025 - 4472) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7} + \frac{28677}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{2N}{7} + \frac{28766}{7}\bigg) + B_{\bar{N}}(2N-447) = 0 + 0 + (N-2) = N-2 \\ &(N \ge 28677) * \end{split}$$

$$B_{\bar{N}}(2N+4026) = B_{\bar{N}}(2N+4026-B_{\bar{N}}(2N+4025)) + B_{\bar{N}}(2N+4026-B_{\bar{N}}(2N+4024)) + B_{\bar{N}}(2N+4026-B_{\bar{N}}(2N+4023))$$

$$= B_{\bar{N}}(2N+4026-(N-2)) + B_{\bar{N}}\left(2N+4026-\left(\frac{15N}{7}-\frac{502}{7}\right)\right) + B_{\bar{N}}\left(2N+4026-\left(\frac{16N}{7}-\frac{591}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4028) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28684}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28773}{7}\right) = 7+0+0=7$$

$$(N \ge 28684) *$$

$$B_{\bar{N}}(2N+4027) = B_{\bar{N}}(2N+4027 - B_{\bar{N}}(2N+4026)) + B_{\bar{N}}(2N+4027 - B_{\bar{N}}(2N+4025)) + B_{\bar{N}}(2N+4027 - B_{\bar{N}}(2N+4024))$$

$$= B_{\bar{N}}(2N+4027-7) + B_{\bar{N}}(2N+4027-(N-2)) + B_{\bar{N}}\left(2N+4027 - \left(\frac{15N}{7} - \frac{502}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4020) + B_{\bar{N}}(N+4029) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28691}{7}\right) = (54N+33682) + (2N+1195) + 0 = 56N+34877$$

$$(N \ge 28691) *$$

$$B_{\bar{N}}(2N+4028) = B_{\bar{N}}(2N+4028-B_{\bar{N}}(2N+4027)) + B_{\bar{N}}(2N+4028-B_{\bar{N}}(2N+4026)) + B_{\bar{N}}(2N+4028-B_{\bar{N}}(2N+4025))$$

$$= B_{\bar{N}}(2N+4028-(56N+34877)) + B_{\bar{N}}(2N+4028-7) + B_{\bar{N}}(2N+4028-(N-2))$$

$$= B_{\bar{N}}(-54N-30849) + B_{\bar{N}}(2N+4021) + B_{\bar{N}}(N+4030) = 0 + (54N+14311) + (2N+568) = 56N+14879$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4029) = B_{\bar{N}}(2N+4029 - B_{\bar{N}}(2N+4028)) + B_{\bar{N}}(2N+4029 - B_{\bar{N}}(2N+4027)) + B_{\bar{N}}(2N+4029 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4030) = B_{\bar{N}}(2N+4030 - B_{\bar{N}}(2N+4029)) + B_{\bar{N}}(2N+4030 - B_{\bar{N}}(2N+4028)) + B_{\bar{N}}(2N+4030 - B_{\bar{N}}(2N+4027))$$

$$= B_{\bar{N}}(2N+4030 - 4472) + B_{\bar{N}}(2N+4030 - (56N+14879)) + B_{\bar{N}}(2N+4030 - (56N+34877))$$

$$= B_{\bar{N}}(2N-442) + B_{\bar{N}}(-54N-10849) + B_{\bar{N}}(-54N-30847) = \left(\frac{16N}{7} - \frac{577}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{577}{7}$$

$$(N \ge 509)$$

$$B_{\bar{N}}(2N+4031) = B_{\bar{N}}(2N+4031 - B_{\bar{N}}(2N+4030)) + B_{\bar{N}}(2N+4031 - B_{\bar{N}}(2N+4029)) + B_{\bar{N}}(2N+4031 - B_{\bar{N}}(2N+4028))$$

$$= B_{\bar{N}}\left(2N+4031 - \left(\frac{16N}{7} - \frac{577}{7}\right)\right) + B_{\bar{N}}(2N+4031 - 4472) + B_{\bar{N}}(2N+4031 - (56N+14879))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28794}{7}\right) + B_{\bar{N}}(2N-441) + B_{\bar{N}}(-54N-10848) = 0 + \left(\frac{15N}{7} - \frac{495}{7}\right) + 0 = \frac{15N}{7} - \frac{495}{7}$$

$$(N \ge 14397)$$

$$B_{\bar{N}}(2N+4032) = B_{\bar{N}}(2N+4032 - B_{\bar{N}}(2N+4031)) + B_{\bar{N}}(2N+4032 - B_{\bar{N}}(2N+4030)) + B_{\bar{N}}(2N+4032 - B_{\bar{N}}(2N+4029))$$

$$= B_{\bar{N}}\left(2N+4032 - \left(\frac{15N}{7} - \frac{495}{7}\right)\right) + B_{\bar{N}}\left(2N+4032 - \left(\frac{16N}{7} - \frac{577}{7}\right)\right) + B_{\bar{N}}(2N+4032 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28719}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28801}{7}\right) + B_{\bar{N}}(2N-440) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28719) *$$

$$B_{\bar{N}}(2N+4033) = B_{\bar{N}}(2N+4033 - B_{\bar{N}}(2N+4032)) + B_{\bar{N}}(2N+4033 - B_{\bar{N}}(2N+4031)) + B_{\bar{N}}(2N+4033 - B_{\bar{N}}(2N+4030))$$

$$= B_{\bar{N}}(2N+4033 - (N-2)) + B_{\bar{N}}\left(2N+4033 - \left(\frac{15N}{7} - \frac{495}{7}\right)\right) + B_{\bar{N}}\left(2N+4033 - \left(\frac{16N}{7} - \frac{577}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4035) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28726}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28808}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28726) *$$

$$B_{\bar{N}}(2N+4034) = B_{\bar{N}}(2N+4034-B_{\bar{N}}(2N+4033)) + B_{\bar{N}}(2N+4034-B_{\bar{N}}(2N+4032)) + B_{\bar{N}}(2N+4034-B_{\bar{N}}(2N+4031))$$

$$= B_{\bar{N}}(2N+4034-7) + B_{\bar{N}}(2N+4034-(N-2)) + B_{\bar{N}}\left(2N+4034-\left(\frac{15N}{7}-\frac{495}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4027) + B_{\bar{N}}(N+4036) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{28733}{7}\right) = (56N+34877) + (2N+1197) + 0 = 58N+36074$$

$$(N \ge 28733) *$$

$$B_{\bar{N}}(2N+4035) = B_{\bar{N}}(2N+4035-B_{\bar{N}}(2N+4034)) + B_{\bar{N}}(2N+4035-B_{\bar{N}}(2N+4033)) + B_{\bar{N}}(2N+4035-B_{\bar{N}}(2N+4032))$$

$$= B_{\bar{N}}(2N+4035-(58N+36074)) + B_{\bar{N}}(2N+4035-7) + B_{\bar{N}}(2N+4035-(N-2))$$

$$= B_{\bar{N}}(-56N-32039) + B_{\bar{N}}(2N+4028) + B_{\bar{N}}(N+4037) = 0 + (56N+14879) + (2N+569) = 58N+15448$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4036) &= B_{\bar{N}}(2N+4036-B_{\bar{N}}(2N+4035)) + B_{\bar{N}}(2N+4036-B_{\bar{N}}(2N+4034)) + B_{\bar{N}}(2N+4036-B_{\bar{N}}(2N+4036)) \\ &= B_{\bar{N}}(2N+4036-(58N+15448)) + B_{\bar{N}}(2N+4036-(58N+36074)) + B_{\bar{N}}(2N+4036-7) \\ &= B_{\bar{N}}(-56N-11412) + B_{\bar{N}}(-56N-32038) + B_{\bar{N}}(2N+4029) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4037) = B_{\bar{N}}(2N+4037 - B_{\bar{N}}(2N+4036)) + B_{\bar{N}}(2N+4037 - B_{\bar{N}}(2N+4035)) + B_{\bar{N}}(2N+4037 - B_{\bar{N}}(2N+4034))$$

$$= B_{\bar{N}}(2N+4037-4472) + B_{\bar{N}}(2N+4037 - (58N+15448)) + B_{\bar{N}}(2N+4037 - (58N+36074))$$

$$= B_{\bar{N}}(2N-435) + B_{\bar{N}}(-56N-11411) + B_{\bar{N}}(-56N-32037) = \left(\frac{16N}{7} - \frac{563}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{563}{7}$$

$$(N > 502)$$

$$B_{\bar{N}}(2N+4038) = B_{\bar{N}}(2N+4038-B_{\bar{N}}(2N+4037)) + B_{\bar{N}}(2N+4038-B_{\bar{N}}(2N+4036)) + B_{\bar{N}}(2N+4038-B_{\bar{N}}(2N+4035))$$

$$= B_{\bar{N}}\left(2N+4038-\left(\frac{16N}{7}-\frac{563}{7}\right)\right) + B_{\bar{N}}(2N+4038-4472) + B_{\bar{N}}(2N+4038-(58N+15448))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28829}{7}\right) + B_{\bar{N}}(2N-434) + B_{\bar{N}}(-56N-11410) = 0 + \left(\frac{15N}{7}-\frac{488}{7}\right) + 0 = \frac{15N}{7}-\frac{488}{7}$$

$$(N \ge 14415)$$

$$B_{\bar{N}}(2N+4039) = B_{\bar{N}}(2N+4039 - B_{\bar{N}}(2N+4038)) + B_{\bar{N}}(2N+4039 - B_{\bar{N}}(2N+4037)) + B_{\bar{N}}(2N+4039 - B_{\bar{N}}(2N+4039))$$

$$= B_{\bar{N}}\left(2N+4039 - \left(\frac{15N}{7} - \frac{488}{7}\right)\right) + B_{\bar{N}}\left(2N+4039 - \left(\frac{16N}{7} - \frac{563}{7}\right)\right) + B_{\bar{N}}(2N+4039 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28761}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28836}{7}\right) + B_{\bar{N}}(2N-433) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28761) *$$

$$B_{\bar{N}}(2N+4040) = B_{\bar{N}}(2N+4040 - B_{\bar{N}}(2N+4039)) + B_{\bar{N}}(2N+4040 - B_{\bar{N}}(2N+4038)) + B_{\bar{N}}(2N+4040 - B_{\bar{N}}(2N+4037))$$

$$= B_{\bar{N}}(2N+4040 - (N-2)) + B_{\bar{N}}\left(2N+4040 - \left(\frac{15N}{7} - \frac{488}{7}\right)\right) + B_{\bar{N}}\left(2N+4040 - \left(\frac{16N}{7} - \frac{563}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4042) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28768}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28843}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 28768) *$$

$$B_{\bar{N}}(2N+4041) = B_{\bar{N}}(2N+4041 - B_{\bar{N}}(2N+4040)) + B_{\bar{N}}(2N+4041 - B_{\bar{N}}(2N+4039)) + B_{\bar{N}}(2N+4041 - B_{\bar{N}}(2N+4038))$$

$$= B_{\bar{N}}(2N+4041-7) + B_{\bar{N}}(2N+4041-(N-2)) + B_{\bar{N}}\left(2N+4041 - \left(\frac{15N}{7} - \frac{488}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4034) + B_{\bar{N}}(N+4043) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28775}{7}\right) = (58N+36074) + (2N+1199) + 0 = 60N+37273$$

$$(N \ge 28775) *$$

$$B_{\bar{N}}(2N+4042) = B_{\bar{N}}(2N+4042-B_{\bar{N}}(2N+4041)) + B_{\bar{N}}(2N+4042-B_{\bar{N}}(2N+4040)) + B_{\bar{N}}(2N+4042-B_{\bar{N}}(2N+4039))$$

$$= B_{\bar{N}}(2N+4042-(60N+37273)) + B_{\bar{N}}(2N+4042-7) + B_{\bar{N}}(2N+4042-(N-2))$$

$$= B_{\bar{N}}(-58N-33231) + B_{\bar{N}}(2N+4035) + B_{\bar{N}}(N+4044) = 0 + (58N+15448) + (2N+570) = 60N+16018$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4043) = B_{\bar{N}}(2N+4043-B_{\bar{N}}(2N+4042)) + B_{\bar{N}}(2N+4043-B_{\bar{N}}(2N+4041)) + B_{\bar{N}}(2N+4043-B_{\bar{N}}(2N+4040))$$

$$= B_{\bar{N}}(2N+4043-(60N+16018)) + B_{\bar{N}}(2N+4043-(60N+37273)) + B_{\bar{N}}(2N+4043-7)$$

$$= B_{\bar{N}}(-58N-11975) + B_{\bar{N}}(-58N-33230) + B_{\bar{N}}(2N+4036) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4044) = B_{\bar{N}}(2N+4044 - B_{\bar{N}}(2N+4043)) + B_{\bar{N}}(2N+4044 - B_{\bar{N}}(2N+4042)) + B_{\bar{N}}(2N+4044 - B_{\bar{N}}(2N+4041))$$

$$= B_{\bar{N}}(2N+4044 - 4472) + B_{\bar{N}}(2N+4044 - (60N+16018)) + B_{\bar{N}}(2N+4044 - (60N+37273))$$

$$= B_{\bar{N}}(2N-428) + B_{\bar{N}}(-58N-11974) + B_{\bar{N}}(-58N-33229) = \left(\frac{16N}{7} - \frac{549}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{549}{7}$$

$$(N \ge 495)$$

$$B_{\bar{N}}(2N+4045) = B_{\bar{N}}(2N+4045 - B_{\bar{N}}(2N+4044)) + B_{\bar{N}}(2N+4045 - B_{\bar{N}}(2N+4043)) + B_{\bar{N}}(2N+4045 - B_{\bar{N}}(2N+4045))$$

$$= B_{\bar{N}}\left(2N+4045 - \left(\frac{16N}{7} - \frac{549}{7}\right)\right) + B_{\bar{N}}(2N+4045 - 4472) + B_{\bar{N}}(2N+4045 - (60N+16018))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28864}{7}\right) + B_{\bar{N}}(2N-427) + B_{\bar{N}}(-58N-11973) = 0 + \left(\frac{15N}{7} - \frac{481}{7}\right) + 0 = \frac{15N}{7} - \frac{481}{7}$$

$$(N > 14432)$$

$$B_{\bar{N}}(2N+4046) = B_{\bar{N}}(2N+4046 - B_{\bar{N}}(2N+4045)) + B_{\bar{N}}(2N+4046 - B_{\bar{N}}(2N+4044)) + B_{\bar{N}}(2N+4046 - B_{\bar{N}}(2N+4043))$$

$$= B_{\bar{N}}\left(2N+4046 - \left(\frac{15N}{7} - \frac{481}{7}\right)\right) + B_{\bar{N}}\left(2N+4046 - \left(\frac{16N}{7} - \frac{549}{7}\right)\right) + B_{\bar{N}}(2N+4046 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28803}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28871}{7}\right) + B_{\bar{N}}(2N-426) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28803) *$$

$$B_{\bar{N}}(2N+4047) = B_{\bar{N}}(2N+4047 - B_{\bar{N}}(2N+4046)) + B_{\bar{N}}(2N+4047 - B_{\bar{N}}(2N+4045)) + B_{\bar{N}}(2N+4047 - B_{\bar{N}}(2N+4044))$$

$$= B_{\bar{N}}(2N+4047 - (N-2)) + B_{\bar{N}}\left(2N+4047 - \left(\frac{15N}{7} - \frac{481}{7}\right)\right) + B_{\bar{N}}\left(2N+4047 - \left(\frac{16N}{7} - \frac{549}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4049) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28810}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28878}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28810) *$$

$$B_{\bar{N}}(2N+4048) = B_{\bar{N}}(2N+4048 - B_{\bar{N}}(2N+4047)) + B_{\bar{N}}(2N+4048 - B_{\bar{N}}(2N+4046)) + B_{\bar{N}}(2N+4048 - B_{\bar{N}}(2N+4045))$$

$$= B_{\bar{N}}(2N+4048-7) + B_{\bar{N}}(2N+4048 - (N-2)) + B_{\bar{N}}\left(2N+4048 - \left(\frac{15N}{7} - \frac{481}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4041) + B_{\bar{N}}(N+4050) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28817}{7}\right) = (60N+37273) + (2N+1201) + 0 = 62N+38474$$

$$(N > 28817) *$$

$$B_{\bar{N}}(2N+4049) = B_{\bar{N}}(2N+4049 - B_{\bar{N}}(2N+4048)) + B_{\bar{N}}(2N+4049 - B_{\bar{N}}(2N+4047)) + B_{\bar{N}}(2N+4049 - B_{\bar{N}}(2N+4049))$$

$$= B_{\bar{N}}(2N+4049 - (62N+38474)) + B_{\bar{N}}(2N+4049 - 7) + B_{\bar{N}}(2N+4049 - (N-2))$$

$$= B_{\bar{N}}(-60N-34425) + B_{\bar{N}}(2N+4042) + B_{\bar{N}}(N+4051) = 0 + (60N+16018) + (2N+571) = 62N+16589$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4050) = B_{\bar{N}}(2N+4050 - B_{\bar{N}}(2N+4049)) + B_{\bar{N}}(2N+4050 - B_{\bar{N}}(2N+4048)) + B_{\bar{N}}(2N+4050 - B_{\bar{N}}(2N+4047))$$

$$= B_{\bar{N}}(2N+4050 - (62N+16589)) + B_{\bar{N}}(2N+4050 - (62N+38474)) + B_{\bar{N}}(2N+4050 - 7)$$

$$= B_{\bar{N}}(-60N-12539) + B_{\bar{N}}(-60N-34424) + B_{\bar{N}}(2N+4043) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4051) = B_{\bar{N}}(2N+4051 - B_{\bar{N}}(2N+4050)) + B_{\bar{N}}(2N+4051 - B_{\bar{N}}(2N+4049)) + B_{\bar{N}}(2N+4051 - B_{\bar{N}}(2N+4048))$$

$$= B_{\bar{N}}(2N+4051 - 4472) + B_{\bar{N}}(2N+4051 - (62N+16589)) + B_{\bar{N}}(2N+4051 - (62N+38474))$$

$$= B_{\bar{N}}(2N-421) + B_{\bar{N}}(-60N-12538) + B_{\bar{N}}(-60N-34423) = \left(\frac{16N}{7} - \frac{535}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{535}{7}$$

$$(N \ge 488)$$

$$B_{\bar{N}}(2N+4052) = B_{\bar{N}}(2N+4052 - B_{\bar{N}}(2N+4051)) + B_{\bar{N}}(2N+4052 - B_{\bar{N}}(2N+4050)) + B_{\bar{N}}(2N+4052 - B_{\bar{N}}(2N+4049))$$

$$= B_{\bar{N}}\left(2N+4052 - \left(\frac{16N}{7} - \frac{535}{7}\right)\right) + B_{\bar{N}}(2N+4052 - 4472) + B_{\bar{N}}(2N+4052 - (62N+16589))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28899}{7}\right) + B_{\bar{N}}(2N-420) + B_{\bar{N}}(-60N-12537) = 0 + \left(\frac{15N}{7} - \frac{474}{7}\right) + 0 = \frac{15N}{7} - \frac{474}{7}$$

$$(N > 14450)$$

$$\begin{split} B_{\bar{N}}(2N+4053) &= B_{\bar{N}}(2N+4053-B_{\bar{N}}(2N+4052)) + B_{\bar{N}}(2N+4053-B_{\bar{N}}(2N+4051)) + B_{\bar{N}}(2N+4053-B_{\bar{N}}(2N+4050)) \\ &= B_{\bar{N}}\bigg(2N+4053-\bigg(\frac{15N}{7}-\frac{474}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+4053-\bigg(\frac{16N}{7}-\frac{535}{7}\bigg)\bigg) + B_{\bar{N}}(2N+4053-4472) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7}+\frac{28845}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{2N}{7}+\frac{28906}{7}\bigg) + B_{\bar{N}}(2N-419) = 0 + 0 + (N-2) = N-2 \\ &(N \geq 28845) * \end{split}$$

$$B_{\bar{N}}(2N+4054) = B_{\bar{N}}(2N+4054 - B_{\bar{N}}(2N+4053)) + B_{\bar{N}}(2N+4054 - B_{\bar{N}}(2N+4052)) + B_{\bar{N}}(2N+4054 - B_{\bar{N}}(2N+4051))$$

$$= B_{\bar{N}}(2N+4054 - (N-2)) + B_{\bar{N}}\left(2N+4054 - \left(\frac{15N}{7} - \frac{474}{7}\right)\right) + B_{\bar{N}}\left(2N+4054 - \left(\frac{16N}{7} - \frac{535}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4056) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28852}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28913}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28852) *$$

$$B_{\bar{N}}(2N+4055) = B_{\bar{N}}(2N+4055 - B_{\bar{N}}(2N+4054)) + B_{\bar{N}}(2N+4055 - B_{\bar{N}}(2N+4053)) + B_{\bar{N}}(2N+4055 - B_{\bar{N}}(2N+4055))$$

$$= B_{\bar{N}}(2N+4055-7) + B_{\bar{N}}(2N+4055-(N-2)) + B_{\bar{N}}\left(2N+4055 - \left(\frac{15N}{7} - \frac{474}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4048) + B_{\bar{N}}(N+4057) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28859}{7}\right) = (62N+38474) + (2N+1203) + 0 = 64N+39677$$

$$(N \ge 28859) *$$

$$B_{\bar{N}}(2N+4056) = B_{\bar{N}}(2N+4056-B_{\bar{N}}(2N+4055)) + B_{\bar{N}}(2N+4056-B_{\bar{N}}(2N+4054)) + B_{\bar{N}}(2N+4056-B_{\bar{N}}(2N+4053))$$

$$= B_{\bar{N}}(2N+4056-(64N+39677)) + B_{\bar{N}}(2N+4056-7) + B_{\bar{N}}(2N+4056-(N-2))$$

$$= B_{\bar{N}}(-62N-35621) + B_{\bar{N}}(2N+4049) + B_{\bar{N}}(N+4058) = 0 + (62N+16589) + (2N+572) = 64N+17161$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4057) = B_{\bar{N}}(2N+4057-B_{\bar{N}}(2N+4056)) + B_{\bar{N}}(2N+4057-B_{\bar{N}}(2N+4055)) + B_{\bar{N}}(2N+4057-B_{\bar{N}}(2N+4054))$$

$$= B_{\bar{N}}(2N+4057-(64N+17161)) + B_{\bar{N}}(2N+4057-(64N+39677)) + B_{\bar{N}}(2N+4057-7)$$

$$= B_{\bar{N}}(-62N-13104) + B_{\bar{N}}(-62N-35620) + B_{\bar{N}}(2N+4050) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4058) = B_{\bar{N}}(2N+4058-B_{\bar{N}}(2N+4057)) + B_{\bar{N}}(2N+4058-B_{\bar{N}}(2N+4056)) + B_{\bar{N}}(2N+4058-B_{\bar{N}}(2N+4055))$$

$$= B_{\bar{N}}(2N+4058-4472) + B_{\bar{N}}(2N+4058-(64N+17161)) + B_{\bar{N}}(2N+4058-(64N+39677))$$

$$= B_{\bar{N}}(2N-414) + B_{\bar{N}}(-62N-13103) + B_{\bar{N}}(-62N-35619) = \left(\frac{16N}{7} - \frac{521}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{521}{7}$$

$$(N \ge 481)$$

$$B_{\bar{N}}(2N+4059) = B_{\bar{N}}(2N+4059 - B_{\bar{N}}(2N+4058)) + B_{\bar{N}}(2N+4059 - B_{\bar{N}}(2N+4057)) + B_{\bar{N}}(2N+4059 - B_{\bar{N}}(2N+4059))$$

$$= B_{\bar{N}}\left(2N+4059 - \left(\frac{16N}{7} - \frac{521}{7}\right)\right) + B_{\bar{N}}(2N+4059 - 4472) + B_{\bar{N}}(2N+4059 - (64N+17161))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28934}{7}\right) + B_{\bar{N}}(2N-413) + B_{\bar{N}}(-62N-13102) = 0 + \left(\frac{15N}{7} - \frac{467}{7}\right) + 0 = \frac{15N}{7} - \frac{467}{7}$$

$$(N \ge 14467)$$

$$B_{\bar{N}}(2N+4060) = B_{\bar{N}}(2N+4060 - B_{\bar{N}}(2N+4059)) + B_{\bar{N}}(2N+4060 - B_{\bar{N}}(2N+4058)) + B_{\bar{N}}(2N+4060 - B_{\bar{N}}(2N+4057))$$

$$= B_{\bar{N}}\left(2N+4060 - \left(\frac{15N}{7} - \frac{467}{7}\right)\right) + B_{\bar{N}}\left(2N+4060 - \left(\frac{16N}{7} - \frac{521}{7}\right)\right) + B_{\bar{N}}(2N+4060 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28887}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28941}{7}\right) + B_{\bar{N}}(2N-412) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28887) *$$

$$B_{\bar{N}}(2N+4061) = B_{\bar{N}}(2N+4061 - B_{\bar{N}}(2N+4060)) + B_{\bar{N}}(2N+4061 - B_{\bar{N}}(2N+4059)) + B_{\bar{N}}(2N+4061 - B_{\bar{N}}(2N+4058))$$

$$= B_{\bar{N}}(2N+4061 - (N-2)) + B_{\bar{N}}\left(2N+4061 - \left(\frac{15N}{7} - \frac{467}{7}\right)\right) + B_{\bar{N}}\left(2N+4061 - \left(\frac{16N}{7} - \frac{521}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4063) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28894}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28948}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28894) *$$

$$B_{\bar{N}}(2N+4062) = B_{\bar{N}}(2N+4062 - B_{\bar{N}}(2N+4061)) + B_{\bar{N}}(2N+4062 - B_{\bar{N}}(2N+4060)) + B_{\bar{N}}(2N+4062 - B_{\bar{N}}(2N+4059))$$

$$= B_{\bar{N}}(2N+4062-7) + B_{\bar{N}}(2N+4062 - (N-2)) + B_{\bar{N}}\left(2N+4062 - \left(\frac{15N}{7} - \frac{467}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4055) + B_{\bar{N}}(N+4064) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28901}{7}\right) = (64N+39677) + (2N+1205) + 0 = 66N+40882$$

$$(N \ge 28901) *$$

$$B_{\bar{N}}(2N+4063) = B_{\bar{N}}(2N+4063-B_{\bar{N}}(2N+4062)) + B_{\bar{N}}(2N+4063-B_{\bar{N}}(2N+4061)) + B_{\bar{N}}(2N+4063-B_{\bar{N}}(2N+4060))$$

$$= B_{\bar{N}}(2N+4063-(66N+40882)) + B_{\bar{N}}(2N+4063-7) + B_{\bar{N}}(2N+4063-(N-2))$$

$$= B_{\bar{N}}(-64N-36819) + B_{\bar{N}}(2N+4056) + B_{\bar{N}}(N+4065) = 0 + (64N+17161) + (2N+573) = 66N+17734$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4064) &= B_{\bar{N}}(2N+4064-B_{\bar{N}}(2N+4063)) + B_{\bar{N}}(2N+4064-B_{\bar{N}}(2N+4062)) + B_{\bar{N}}(2N+4064-B_{\bar{N}}(2N+4061)) \\ &= B_{\bar{N}}(2N+4064-(66N+17734)) + B_{\bar{N}}(2N+4064-(66N+40882)) + B_{\bar{N}}(2N+4064-7) \\ &= B_{\bar{N}}(-64N-13670) + B_{\bar{N}}(-64N-36818) + B_{\bar{N}}(2N+4057) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4065) = B_{\bar{N}}(2N+4065 - B_{\bar{N}}(2N+4064)) + B_{\bar{N}}(2N+4065 - B_{\bar{N}}(2N+4063)) + B_{\bar{N}}(2N+4065 - B_{\bar{N}}(2N+4062))$$

$$= B_{\bar{N}}(2N+4065 - 4472) + B_{\bar{N}}(2N+4065 - (66N+17734)) + B_{\bar{N}}(2N+4065 - (66N+40882))$$

$$= B_{\bar{N}}(2N-407) + B_{\bar{N}}(-64N-13669) + B_{\bar{N}}(-64N-36817) = \left(\frac{16N}{7} - \frac{507}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{507}{7}$$

$$(N \ge 474)$$

$$B_{\bar{N}}(2N+4066) = B_{\bar{N}}(2N+4066-B_{\bar{N}}(2N+4065)) + B_{\bar{N}}(2N+4066-B_{\bar{N}}(2N+4064)) + B_{\bar{N}}(2N+4066-B_{\bar{N}}(2N+4063))$$

$$= B_{\bar{N}}\left(2N+4066-\left(\frac{16N}{7}-\frac{507}{7}\right)\right) + B_{\bar{N}}(2N+4066-4472) + B_{\bar{N}}(2N+4066-(66N+17734))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{28969}{7}\right) + B_{\bar{N}}(2N-406) + B_{\bar{N}}(-64N-13668) = 0 + \left(\frac{15N}{7}-\frac{460}{7}\right) + 0 = \frac{15N}{7} - \frac{460}{7}$$

$$(N \ge 14485)$$

$$B_{\bar{N}}(2N+4067) = B_{\bar{N}}(2N+4067 - B_{\bar{N}}(2N+4066)) + B_{\bar{N}}(2N+4067 - B_{\bar{N}}(2N+4065)) + B_{\bar{N}}(2N+4067 - B_{\bar{N}}(2N+4064))$$

$$= B_{\bar{N}}\left(2N+4067 - \left(\frac{15N}{7} - \frac{460}{7}\right)\right) + B_{\bar{N}}\left(2N+4067 - \left(\frac{16N}{7} - \frac{507}{7}\right)\right) + B_{\bar{N}}(2N+4067 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28929}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28976}{7}\right) + B_{\bar{N}}(2N-405) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28929) *$$

$$B_{\bar{N}}(2N+4068) = B_{\bar{N}}(2N+4068 - B_{\bar{N}}(2N+4067)) + B_{\bar{N}}(2N+4068 - B_{\bar{N}}(2N+4066)) + B_{\bar{N}}(2N+4068 - B_{\bar{N}}(2N+4068))$$

$$= B_{\bar{N}}(2N+4068 - (N-2)) + B_{\bar{N}}\left(2N+4068 - \left(\frac{15N}{7} - \frac{460}{7}\right)\right) + B_{\bar{N}}\left(2N+4068 - \left(\frac{16N}{7} - \frac{507}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4070) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28936}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{28983}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 28936) *$$

$$B_{\bar{N}}(2N+4069) = B_{\bar{N}}(2N+4069 - B_{\bar{N}}(2N+4068)) + B_{\bar{N}}(2N+4069 - B_{\bar{N}}(2N+4067)) + B_{\bar{N}}(2N+4069 - B_{\bar{N}}(2N+4069))$$

$$= B_{\bar{N}}(2N+4069-7) + B_{\bar{N}}(2N+4069-(N-2)) + B_{\bar{N}}\left(2N+4069 - \left(\frac{15N}{7} - \frac{460}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4062) + B_{\bar{N}}(N+4071) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28943}{7}\right) = (66N+40882) + (2N+1207) + 0 = 68N+42089$$

$$(N \ge 28943) *$$

$$B_{\bar{N}}(2N+4070) = B_{\bar{N}}(2N+4070 - B_{\bar{N}}(2N+4069)) + B_{\bar{N}}(2N+4070 - B_{\bar{N}}(2N+4068)) + B_{\bar{N}}(2N+4070 - B_{\bar{N}}(2N+4067))$$

$$= B_{\bar{N}}(2N+4070 - (68N+42089)) + B_{\bar{N}}(2N+4070 - 7) + B_{\bar{N}}(2N+4070 - (N-2))$$

$$= B_{\bar{N}}(-66N-38019) + B_{\bar{N}}(2N+4063) + B_{\bar{N}}(N+4072) = 0 + (66N+17734) + (2N+574) = 68N+18308$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4071) = B_{\bar{N}}(2N+4071-B_{\bar{N}}(2N+4070)) + B_{\bar{N}}(2N+4071-B_{\bar{N}}(2N+4069)) + B_{\bar{N}}(2N+4071-B_{\bar{N}}(2N+4068))$$

$$= B_{\bar{N}}(2N+4071-(68N+18308)) + B_{\bar{N}}(2N+4071-(68N+42089)) + B_{\bar{N}}(2N+4071-7)$$

$$= B_{\bar{N}}(-66N-14237) + B_{\bar{N}}(-66N-38018) + B_{\bar{N}}(2N+4064) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4072) = B_{\bar{N}}(2N+4072 - B_{\bar{N}}(2N+4071)) + B_{\bar{N}}(2N+4072 - B_{\bar{N}}(2N+4070)) + B_{\bar{N}}(2N+4072 - B_{\bar{N}}(2N+4069))$$

$$= B_{\bar{N}}(2N+4072 - 4472) + B_{\bar{N}}(2N+4072 - (68N+18308)) + B_{\bar{N}}(2N+4072 - (68N+42089))$$

$$= B_{\bar{N}}(2N-400) + B_{\bar{N}}(-66N-14236) + B_{\bar{N}}(-66N-38017) = \left(\frac{16N}{7} - \frac{493}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{493}{7}$$

$$(N \ge 467)$$

$$B_{\bar{N}}(2N+4073) = B_{\bar{N}}(2N+4073 - B_{\bar{N}}(2N+4072)) + B_{\bar{N}}(2N+4073 - B_{\bar{N}}(2N+4071)) + B_{\bar{N}}(2N+4073 - B_{\bar{N}}(2N+4070))$$

$$= B_{\bar{N}}\left(2N+4073 - \left(\frac{16N}{7} - \frac{493}{7}\right)\right) + B_{\bar{N}}(2N+4073 - 4472) + B_{\bar{N}}(2N+4073 - (68N+18308))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29004}{7}\right) + B_{\bar{N}}(2N-399) + B_{\bar{N}}(-66N-14235) = 0 + \left(\frac{15N}{7} - \frac{453}{7}\right) + 0 = \frac{15N}{7} - \frac{453}{7}$$

$$(N \ge 14502)$$

$$B_{\bar{N}}(2N+4074) = B_{\bar{N}}(2N+4074 - B_{\bar{N}}(2N+4073)) + B_{\bar{N}}(2N+4074 - B_{\bar{N}}(2N+4072)) + B_{\bar{N}}(2N+4074 - B_{\bar{N}}(2N+4071))$$

$$= B_{\bar{N}}\left(2N+4074 - \left(\frac{15N}{7} - \frac{453}{7}\right)\right) + B_{\bar{N}}\left(2N+4074 - \left(\frac{16N}{7} - \frac{493}{7}\right)\right) + B_{\bar{N}}(2N+4074 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{28971}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29011}{7}\right) + B_{\bar{N}}(2N-398) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 28971) *$$

$$B_{\bar{N}}(2N+4075) = B_{\bar{N}}(2N+4075 - B_{\bar{N}}(2N+4074)) + B_{\bar{N}}(2N+4075 - B_{\bar{N}}(2N+4073)) + B_{\bar{N}}(2N+4075 - B_{\bar{N}}(2N+4072))$$

$$= B_{\bar{N}}(2N+4075 - (N-2)) + B_{\bar{N}}\left(2N+4075 - \left(\frac{15N}{7} - \frac{453}{7}\right)\right) + B_{\bar{N}}\left(2N+4075 - \left(\frac{16N}{7} - \frac{493}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4077) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28978}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29018}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 28978) *$$

$$B_{\bar{N}}(2N+4076) = B_{\bar{N}}(2N+4076 - B_{\bar{N}}(2N+4075)) + B_{\bar{N}}(2N+4076 - B_{\bar{N}}(2N+4074)) + B_{\bar{N}}(2N+4076 - B_{\bar{N}}(2N+4073))$$

$$= B_{\bar{N}}(2N+4076-7) + B_{\bar{N}}(2N+4076-(N-2)) + B_{\bar{N}}\left(2N+4076 - \left(\frac{15N}{7} - \frac{453}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4069) + B_{\bar{N}}(N+4078) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{28985}{7}\right) = (68N+42089) + (2N+1209) + 0 = 70N+43298$$

$$(N > 28985) *$$

$$B_{\bar{N}}(2N+4077) = B_{\bar{N}}(2N+4077 - B_{\bar{N}}(2N+4076)) + B_{\bar{N}}(2N+4077 - B_{\bar{N}}(2N+4075)) + B_{\bar{N}}(2N+4077 - B_{\bar{N}}(2N+4074))$$

$$= B_{\bar{N}}(2N+4077 - (70N+43298)) + B_{\bar{N}}(2N+4077 - 7) + B_{\bar{N}}(2N+4077 - (N-2))$$

$$= B_{\bar{N}}(-68N-39221) + B_{\bar{N}}(2N+4070) + B_{\bar{N}}(N+4079) = 0 + (68N+18308) + (2N+575) = 70N+18883$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4078) = B_{\bar{N}}(2N+4078-B_{\bar{N}}(2N+4077)) + B_{\bar{N}}(2N+4078-B_{\bar{N}}(2N+4076)) + B_{\bar{N}}(2N+4078-B_{\bar{N}}(2N+4075))$$

$$= B_{\bar{N}}(2N+4078-(70N+18883)) + B_{\bar{N}}(2N+4078-(70N+43298)) + B_{\bar{N}}(2N+4078-7)$$

$$= B_{\bar{N}}(-68N-14805) + B_{\bar{N}}(-68N-39220) + B_{\bar{N}}(2N+4071) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4079) = B_{\bar{N}}(2N+4079 - B_{\bar{N}}(2N+4078)) + B_{\bar{N}}(2N+4079 - B_{\bar{N}}(2N+4077)) + B_{\bar{N}}(2N+4079 - B_{\bar{N}}(2N+4079))$$

$$= B_{\bar{N}}(2N+4079 - 4472) + B_{\bar{N}}(2N+4079 - (70N+18883)) + B_{\bar{N}}(2N+4079 - (70N+43298))$$

$$= B_{\bar{N}}(2N-393) + B_{\bar{N}}(-68N-14804) + B_{\bar{N}}(-68N-39219) = \left(\frac{16N}{7} - \frac{479}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{479}{7}$$

$$(N \ge 460)$$

$$B_{\bar{N}}(2N+4080) = B_{\bar{N}}(2N+4080 - B_{\bar{N}}(2N+4079)) + B_{\bar{N}}(2N+4080 - B_{\bar{N}}(2N+4078)) + B_{\bar{N}}(2N+4080 - B_{\bar{N}}(2N+4077))$$

$$= B_{\bar{N}}\left(2N+4080 - \left(\frac{16N}{7} - \frac{479}{7}\right)\right) + B_{\bar{N}}(2N+4080 - 4472) + B_{\bar{N}}(2N+4080 - (70N+18883))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29039}{7}\right) + B_{\bar{N}}(2N-392) + B_{\bar{N}}(-68N-14803) = 0 + \left(\frac{15N}{7} - \frac{446}{7}\right) + 0 = \frac{15N}{7} - \frac{446}{7}$$

$$(N \ge 14520)$$

$$B_{\bar{N}}(2N+4081) = B_{\bar{N}}(2N+4081 - B_{\bar{N}}(2N+4080)) + B_{\bar{N}}(2N+4081 - B_{\bar{N}}(2N+4079)) + B_{\bar{N}}(2N+4081 - B_{\bar{N}}(2N+4078))$$

$$= B_{\bar{N}}\left(2N+4081 - \left(\frac{15N}{7} - \frac{446}{7}\right)\right) + B_{\bar{N}}\left(2N+4081 - \left(\frac{16N}{7} - \frac{479}{7}\right)\right) + B_{\bar{N}}(2N+4081 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29013}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29046}{7}\right) + B_{\bar{N}}(2N-391) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29013) *$$

$$B_{\bar{N}}(2N+4082) = B_{\bar{N}}(2N+4082 - B_{\bar{N}}(2N+4081)) + B_{\bar{N}}(2N+4082 - B_{\bar{N}}(2N+4080)) + B_{\bar{N}}(2N+4082 - B_{\bar{N}}(2N+4079))$$

$$= B_{\bar{N}}(2N+4082 - (N-2)) + B_{\bar{N}}\left(2N+4082 - \left(\frac{15N}{7} - \frac{446}{7}\right)\right) + B_{\bar{N}}\left(2N+4082 - \left(\frac{16N}{7} - \frac{479}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4084) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29020}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29053}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29020) *$$

$$B_{\bar{N}}(2N+4083) = B_{\bar{N}}(2N+4083 - B_{\bar{N}}(2N+4082)) + B_{\bar{N}}(2N+4083 - B_{\bar{N}}(2N+4081)) + B_{\bar{N}}(2N+4083 - B_{\bar{N}}(2N+4083))$$

$$= B_{\bar{N}}(2N+4083-7) + B_{\bar{N}}(2N+4083-(N-2)) + B_{\bar{N}}\left(2N+4083 - \left(\frac{15N}{7} - \frac{446}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4076) + B_{\bar{N}}(N+4085) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29027}{7}\right) = (70N+43298) + (2N+1211) + 0 = 72N+44509$$

$$(N \ge 29027) *$$

$$B_{\bar{N}}(2N+4084) = B_{\bar{N}}(2N+4084-B_{\bar{N}}(2N+4083)) + B_{\bar{N}}(2N+4084-B_{\bar{N}}(2N+4082)) + B_{\bar{N}}(2N+4084-B_{\bar{N}}(2N+4081))$$

$$= B_{\bar{N}}(2N+4084-(72N+44509)) + B_{\bar{N}}(2N+4084-7) + B_{\bar{N}}(2N+4084-(N-2))$$

$$= B_{\bar{N}}(-70N-40425) + B_{\bar{N}}(2N+4077) + B_{\bar{N}}(N+4086) = 0 + (70N+18883) + (2N+576) = 72N+19459$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4085) = B_{\bar{N}}(2N+4085-B_{\bar{N}}(2N+4084)) + B_{\bar{N}}(2N+4085-B_{\bar{N}}(2N+4083)) + B_{\bar{N}}(2N+4085-B_{\bar{N}}(2N+4085))$$

$$= B_{\bar{N}}(2N+4085-(72N+19459)) + B_{\bar{N}}(2N+4085-(72N+44509)) + B_{\bar{N}}(2N+4085-7)$$

$$= B_{\bar{N}}(-70N-15374) + B_{\bar{N}}(-70N-40424) + B_{\bar{N}}(2N+4078) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4086) = B_{\bar{N}}(2N+4086-B_{\bar{N}}(2N+4085)) + B_{\bar{N}}(2N+4086-B_{\bar{N}}(2N+4084)) + B_{\bar{N}}(2N+4086-B_{\bar{N}}(2N+4083))$$

$$= B_{\bar{N}}(2N+4086-4472) + B_{\bar{N}}(2N+4086-(72N+19459)) + B_{\bar{N}}(2N+4086-(72N+44509))$$

$$= B_{\bar{N}}(2N-386) + B_{\bar{N}}(-70N-15373) + B_{\bar{N}}(-70N-40423) = \left(\frac{16N}{7} - \frac{465}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{465}{7}$$

$$(N \ge 453)$$

$$B_{\bar{N}}(2N+4087) = B_{\bar{N}}(2N+4087 - B_{\bar{N}}(2N+4086)) + B_{\bar{N}}(2N+4087 - B_{\bar{N}}(2N+4085)) + B_{\bar{N}}(2N+4087 - B_{\bar{N}}(2N+4084))$$

$$= B_{\bar{N}}\left(2N+4087 - \left(\frac{16N}{7} - \frac{465}{7}\right)\right) + B_{\bar{N}}(2N+4087 - 4472) + B_{\bar{N}}(2N+4087 - (72N+19459))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29074}{7}\right) + B_{\bar{N}}(2N-385) + B_{\bar{N}}(-70N-15372) = 0 + \left(\frac{15N}{7} - \frac{439}{7}\right) + 0 = \frac{15N}{7} - \frac{439}{7}$$

$$(N \ge 14537)$$

$$B_{\bar{N}}(2N+4088) = B_{\bar{N}}(2N+4088-B_{\bar{N}}(2N+4087)) + B_{\bar{N}}(2N+4088-B_{\bar{N}}(2N+4086)) + B_{\bar{N}}(2N+4088-B_{\bar{N}}(2N+4088))$$

$$= B_{\bar{N}}\left(2N+4088-\left(\frac{15N}{7}-\frac{439}{7}\right)\right) + B_{\bar{N}}\left(2N+4088-\left(\frac{16N}{7}-\frac{465}{7}\right)\right) + B_{\bar{N}}(2N+4088-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{29055}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29081}{7}\right) + B_{\bar{N}}(2N-384) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29055) *$$

$$B_{\bar{N}}(2N+4089) = B_{\bar{N}}(2N+4089 - B_{\bar{N}}(2N+4088)) + B_{\bar{N}}(2N+4089 - B_{\bar{N}}(2N+4087)) + B_{\bar{N}}(2N+4089 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4090) = B_{\bar{N}}(2N+4090 - B_{\bar{N}}(2N+4089)) + B_{\bar{N}}(2N+4090 - B_{\bar{N}}(2N+4088)) + B_{\bar{N}}(2N+4090 - B_{\bar{N}}(2N+4087))$$

$$= B_{\bar{N}}(2N+4090-7) + B_{\bar{N}}(2N+4090 - (N-2)) + B_{\bar{N}}\left(2N+4090 - \left(\frac{15N}{7} - \frac{439}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4083) + B_{\bar{N}}(N+4092) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29069}{7}\right) = (72N+44509) + (2N+1213) + 0 = 74N+45722$$

$$(N \ge 29069) *$$

$$B_{\bar{N}}(2N+4091) = B_{\bar{N}}(2N+4091 - B_{\bar{N}}(2N+4090)) + B_{\bar{N}}(2N+4091 - B_{\bar{N}}(2N+4089)) + B_{\bar{N}}(2N+4091 - B_{\bar{N}}(2N+4088))$$

$$= B_{\bar{N}}(2N+4091 - (74N+45722)) + B_{\bar{N}}(2N+4091 - 7) + B_{\bar{N}}(2N+4091 - (N-2))$$

$$= B_{\bar{N}}(-72N-41631) + B_{\bar{N}}(2N+4084) + B_{\bar{N}}(N+4093) = 0 + (72N+19459) + (2N+577) = 74N + 20036$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4092) = B_{\bar{N}}(2N+4092 - B_{\bar{N}}(2N+4091)) + B_{\bar{N}}(2N+4092 - B_{\bar{N}}(2N+4090)) + B_{\bar{N}}(2N+4092 - B_{\bar{N}}(2N+4089))$$

$$= B_{\bar{N}}(2N+4092 - (74N+20036)) + B_{\bar{N}}(2N+4092 - (74N+45722)) + B_{\bar{N}}(2N+4092 - 7)$$

$$= B_{\bar{N}}(-72N-15944) + B_{\bar{N}}(-72N-41630) + B_{\bar{N}}(2N+4085) = 0 + 0 + 4472 = 4472$$

$$(N > 1)$$

$$B_{\bar{N}}(2N+4093) = B_{\bar{N}}(2N+4093 - B_{\bar{N}}(2N+4092)) + B_{\bar{N}}(2N+4093 - B_{\bar{N}}(2N+4091)) + B_{\bar{N}}(2N+4093 - B_{\bar{N}}(2N+4090))$$

$$= B_{\bar{N}}(2N+4093 - 4472) + B_{\bar{N}}(2N+4093 - (74N+20036)) + B_{\bar{N}}(2N+4093 - (74N+45722))$$

$$= B_{\bar{N}}(2N-379) + B_{\bar{N}}(-72N-15943) + B_{\bar{N}}(-72N-41629) = \left(\frac{16N}{7} - \frac{451}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{451}{7}$$

$$(N \ge 446)$$

$$B_{\bar{N}}(2N+4094) = B_{\bar{N}}(2N+4094-B_{\bar{N}}(2N+4093)) + B_{\bar{N}}(2N+4094-B_{\bar{N}}(2N+4092)) + B_{\bar{N}}(2N+4094-B_{\bar{N}}(2N+4091))$$

$$= B_{\bar{N}}\left(2N+4094-\left(\frac{16N}{7}-\frac{451}{7}\right)\right) + B_{\bar{N}}(2N+4094-4472) + B_{\bar{N}}(2N+4094-(74N+20036))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29109}{7}\right) + B_{\bar{N}}(2N-378) + B_{\bar{N}}(-72N-15942) = 0 + \left(\frac{15N}{7}-\frac{432}{7}\right) + 0 = \frac{15N}{7}-\frac{432}{7}$$

$$(N \ge 14555)$$

$$B_{\bar{N}}(2N+4095) = B_{\bar{N}}(2N+4095 - B_{\bar{N}}(2N+4094)) + B_{\bar{N}}(2N+4095 - B_{\bar{N}}(2N+4093)) + B_{\bar{N}}(2N+4095 - B_{\bar{N}}(2N+4092))$$

$$= B_{\bar{N}}\left(2N+4095 - \left(\frac{15N}{7} - \frac{432}{7}\right)\right) + B_{\bar{N}}\left(2N+4095 - \left(\frac{16N}{7} - \frac{451}{7}\right)\right) + B_{\bar{N}}(2N+4095 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29097}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29116}{7}\right) + B_{\bar{N}}(2N-377) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29097) *$$

$$B_{\bar{N}}(2N+4096) = B_{\bar{N}}(2N+4096-B_{\bar{N}}(2N+4095)) + B_{\bar{N}}(2N+4096-B_{\bar{N}}(2N+4094)) + B_{\bar{N}}(2N+4096-B_{\bar{N}}(2N+4093))$$

$$= B_{\bar{N}}(2N+4096-(N-2)) + B_{\bar{N}}\left(2N+4096-\left(\frac{15N}{7}-\frac{432}{7}\right)\right) + B_{\bar{N}}\left(2N+4096-\left(\frac{16N}{7}-\frac{451}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4098) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29104}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29123}{7}\right) = 7+0+0=7$$

$$(N > 29104) *$$

$$B_{\bar{N}}(2N+4097) = B_{\bar{N}}(2N+4097 - B_{\bar{N}}(2N+4096)) + B_{\bar{N}}(2N+4097 - B_{\bar{N}}(2N+4095)) + B_{\bar{N}}(2N+4097 - B_{\bar{N}}(2N+4094))$$

$$= B_{\bar{N}}(2N+4097-7) + B_{\bar{N}}(2N+4097-(N-2)) + B_{\bar{N}}\left(2N+4097 - \left(\frac{15N}{7} - \frac{432}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4090) + B_{\bar{N}}(N+4099) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29111}{7}\right) = (74N+45722) + (2N+1215) + 0 = 76N+46937$$

$$(N \ge 29111) *$$

$$B_{\bar{N}}(2N+4098) = B_{\bar{N}}(2N+4098-B_{\bar{N}}(2N+4097)) + B_{\bar{N}}(2N+4098-B_{\bar{N}}(2N+4096)) + B_{\bar{N}}(2N+4098-B_{\bar{N}}(2N+4095))$$

$$= B_{\bar{N}}(2N+4098-(76N+46937)) + B_{\bar{N}}(2N+4098-7) + B_{\bar{N}}(2N+4098-(N-2))$$

$$= B_{\bar{N}}(-74N-42839) + B_{\bar{N}}(2N+4091) + B_{\bar{N}}(N+4100) = 0 + (74N+20036) + (2N+578) = 76N+20614$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4099) = B_{\bar{N}}(2N+4099 - B_{\bar{N}}(2N+4098)) + B_{\bar{N}}(2N+4099 - B_{\bar{N}}(2N+4097)) + B_{\bar{N}}(2N+4099 - B_{\bar{N}}(2N+4096))$$

$$= B_{\bar{N}}(2N+4099 - (76N+20614)) + B_{\bar{N}}(2N+4099 - (76N+46937)) + B_{\bar{N}}(2N+4099 - 7)$$

$$= B_{\bar{N}}(-74N-16515) + B_{\bar{N}}(-74N-42838) + B_{\bar{N}}(2N+4092) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4100) = B_{\bar{N}}(2N+4100 - B_{\bar{N}}(2N+4099)) + B_{\bar{N}}(2N+4100 - B_{\bar{N}}(2N+4098)) + B_{\bar{N}}(2N+4100 - B_{\bar{N}}(2N+4097))$$

$$= B_{\bar{N}}(2N+4100 - 4472) + B_{\bar{N}}(2N+4100 - (76N+20614)) + B_{\bar{N}}(2N+4100 - (76N+46937))$$

$$= B_{\bar{N}}(2N-372) + B_{\bar{N}}(-74N-16514) + B_{\bar{N}}(-74N-42837) = \left(\frac{16N}{7} - \frac{437}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{437}{7}$$

$$(N \ge 439)$$

$$B_{\bar{N}}(2N+4101) = B_{\bar{N}}(2N+4101 - B_{\bar{N}}(2N+4100)) + B_{\bar{N}}(2N+4101 - B_{\bar{N}}(2N+4099)) + B_{\bar{N}}(2N+4101 - B_{\bar{N}}(2N+4098))$$

$$= B_{\bar{N}}\left(2N+4101 - \left(\frac{16N}{7} - \frac{437}{7}\right)\right) + B_{\bar{N}}(2N+4101 - 4472) + B_{\bar{N}}(2N+4101 - (76N+20614))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29144}{7}\right) + B_{\bar{N}}(2N-371) + B_{\bar{N}}(-74N-16513) = 0 + \left(\frac{15N}{7} - \frac{425}{7}\right) + 0 = \frac{15N}{7} - \frac{425}{7}$$

$$(N > 14572)$$

$$B_{\bar{N}}(2N+4102) = B_{\bar{N}}(2N+4102 - B_{\bar{N}}(2N+4101)) + B_{\bar{N}}(2N+4102 - B_{\bar{N}}(2N+4100)) + B_{\bar{N}}(2N+4102 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4103) = B_{\bar{N}}(2N+4103 - B_{\bar{N}}(2N+4102)) + B_{\bar{N}}(2N+4103 - B_{\bar{N}}(2N+4101)) + B_{\bar{N}}(2N+4103 - B_{\bar{N}}(2N+4100))$$

$$= B_{\bar{N}}(2N+4103 - (N-2)) + B_{\bar{N}}\left(2N+4103 - \left(\frac{15N}{7} - \frac{425}{7}\right)\right) + B_{\bar{N}}\left(2N+4103 - \left(\frac{16N}{7} - \frac{437}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4105) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29146}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29158}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29146) *$$

$$B_{\bar{N}}(2N+4104) = B_{\bar{N}}(2N+4104 - B_{\bar{N}}(2N+4103)) + B_{\bar{N}}(2N+4104 - B_{\bar{N}}(2N+4102)) + B_{\bar{N}}(2N+4104 - B_{\bar{N}}(2N+4101))$$

$$= B_{\bar{N}}(2N+4104-7) + B_{\bar{N}}(2N+4104-(N-2)) + B_{\bar{N}}\left(2N+4104 - \left(\frac{15N}{7} - \frac{425}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4097) + B_{\bar{N}}(N+4106) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29153}{7}\right) = (76N+46937) + (2N+1217) + 0 = 78N+48154$$

$$(N \ge 29153) *$$

$$B_{\bar{N}}(2N+4105) = B_{\bar{N}}(2N+4105 - B_{\bar{N}}(2N+4104)) + B_{\bar{N}}(2N+4105 - B_{\bar{N}}(2N+4103)) + B_{\bar{N}}(2N+4105 - B_{\bar{N}}(2N+4102))$$

$$= B_{\bar{N}}(2N+4105 - (78N+48154)) + B_{\bar{N}}(2N+4105 - 7) + B_{\bar{N}}(2N+4105 - (N-2))$$

$$= B_{\bar{N}}(-76N-44049) + B_{\bar{N}}(2N+4098) + B_{\bar{N}}(N+4107) = 0 + (76N+20614) + (2N+579) = 78N + 21193$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4106) = B_{\bar{N}}(2N+4106 - B_{\bar{N}}(2N+4105)) + B_{\bar{N}}(2N+4106 - B_{\bar{N}}(2N+4104)) + B_{\bar{N}}(2N+4106 - B_{\bar{N}}(2N+4103))$$

$$= B_{\bar{N}}(2N+4106 - (78N+21193)) + B_{\bar{N}}(2N+4106 - (78N+48154)) + B_{\bar{N}}(2N+4106 - 7)$$

$$= B_{\bar{N}}(-76N-17087) + B_{\bar{N}}(-76N-44048) + B_{\bar{N}}(2N+4099) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4107) = B_{\bar{N}}(2N+4107 - B_{\bar{N}}(2N+4106)) + B_{\bar{N}}(2N+4107 - B_{\bar{N}}(2N+4105)) + B_{\bar{N}}(2N+4107 - B_{\bar{N}}(2N+4104))$$

$$= B_{\bar{N}}(2N+4107 - 4472) + B_{\bar{N}}(2N+4107 - (78N+21193)) + B_{\bar{N}}(2N+4107 - (78N+48154))$$

$$= B_{\bar{N}}(2N-365) + B_{\bar{N}}(-76N-17086) + B_{\bar{N}}(-76N-44047) = \left(\frac{16N}{7} - \frac{423}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{423}{7}$$

$$(N \ge 432)$$

$$B_{\bar{N}}(2N+4108) = B_{\bar{N}}(2N+4108 - B_{\bar{N}}(2N+4107)) + B_{\bar{N}}(2N+4108 - B_{\bar{N}}(2N+4106)) + B_{\bar{N}}(2N+4108 - B_{\bar{N}}(2N+4105))$$

$$= B_{\bar{N}}\left(2N+4108 - \left(\frac{16N}{7} - \frac{423}{7}\right)\right) + B_{\bar{N}}(2N+4108 - 4472) + B_{\bar{N}}(2N+4108 - (78N+21193))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29179}{7}\right) + B_{\bar{N}}(2N-364) + B_{\bar{N}}(-76N-17085) = 0 + \left(\frac{15N}{7} - \frac{418}{7}\right) + 0 = \frac{15N}{7} - \frac{418}{7}$$

$$(N \ge 14590)$$

$$B_{\bar{N}}(2N+4109) = B_{\bar{N}}(2N+4109 - B_{\bar{N}}(2N+4108)) + B_{\bar{N}}(2N+4109 - B_{\bar{N}}(2N+4107)) + B_{\bar{N}}(2N+4109 - B_{\bar{N}}(2N+4106))$$

$$= B_{\bar{N}}\left(2N+4109 - \left(\frac{15N}{7} - \frac{418}{7}\right)\right) + B_{\bar{N}}\left(2N+4109 - \left(\frac{16N}{7} - \frac{423}{7}\right)\right) + B_{\bar{N}}(2N+4109 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29181}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29186}{7}\right) + B_{\bar{N}}(2N-363) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29181) *$$

$$B_{\bar{N}}(2N+4110) = B_{\bar{N}}(2N+4110 - B_{\bar{N}}(2N+4109)) + B_{\bar{N}}(2N+4110 - B_{\bar{N}}(2N+4108)) + B_{\bar{N}}(2N+4110 - B_{\bar{N}}(2N+4107))$$

$$= B_{\bar{N}}(2N+4110 - (N-2)) + B_{\bar{N}}\left(2N+4110 - \left(\frac{15N}{7} - \frac{418}{7}\right)\right) + B_{\bar{N}}\left(2N+4110 - \left(\frac{16N}{7} - \frac{423}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4112) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29188}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29193}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29188) *$$

$$B_{\bar{N}}(2N+4111) = B_{\bar{N}}(2N+4111 - B_{\bar{N}}(2N+4110)) + B_{\bar{N}}(2N+4111 - B_{\bar{N}}(2N+4109)) + B_{\bar{N}}(2N+4111 - B_{\bar{N}}(2N+4108))$$

$$= B_{\bar{N}}(2N+4111-7) + B_{\bar{N}}(2N+4111-(N-2)) + B_{\bar{N}}\left(2N+4111 - \left(\frac{15N}{7} - \frac{418}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4104) + B_{\bar{N}}(N+4113) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29195}{7}\right) = (78N+48154) + (2N+1219) + 0 = 80N+49373$$

$$(N \ge 29195) *$$

$$B_{\bar{N}}(2N+4112) = B_{\bar{N}}(2N+4112-B_{\bar{N}}(2N+4111)) + B_{\bar{N}}(2N+4112-B_{\bar{N}}(2N+4110)) + B_{\bar{N}}(2N+4112-B_{\bar{N}}(2N+4109))$$

$$= B_{\bar{N}}(2N+4112-(80N+49373)) + B_{\bar{N}}(2N+4112-7) + B_{\bar{N}}(2N+4112-(N-2))$$

$$= B_{\bar{N}}(-78N-45261) + B_{\bar{N}}(2N+4105) + B_{\bar{N}}(N+4114) = 0 + (78N+21193) + (2N+580) = 80N+21773$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4113) &= B_{\bar{N}}(2N+4113-B_{\bar{N}}(2N+4112)) + B_{\bar{N}}(2N+4113-B_{\bar{N}}(2N+4111)) + B_{\bar{N}}(2N+4113-B_{\bar{N}}(2N+4110)) \\ &= B_{\bar{N}}(2N+4113-(80N+21773)) + B_{\bar{N}}(2N+4113-(80N+49373)) + B_{\bar{N}}(2N+4113-7) \\ &= B_{\bar{N}}(-78N-17660) + B_{\bar{N}}(-78N-45260) + B_{\bar{N}}(2N+4106) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4114) = B_{\bar{N}}(2N+4114 - B_{\bar{N}}(2N+4113)) + B_{\bar{N}}(2N+4114 - B_{\bar{N}}(2N+4112)) + B_{\bar{N}}(2N+4114 - B_{\bar{N}}(2N+4111))$$

$$= B_{\bar{N}}(2N+4114 - 4472) + B_{\bar{N}}(2N+4114 - (80N+21773)) + B_{\bar{N}}(2N+4114 - (80N+49373))$$

$$= B_{\bar{N}}(2N-358) + B_{\bar{N}}(-78N-17659) + B_{\bar{N}}(-78N-45259) = \left(\frac{16N}{7} - \frac{409}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{409}{7}$$

$$(N \ge 425)$$

$$B_{\bar{N}}(2N+4115) = B_{\bar{N}}(2N+4115 - B_{\bar{N}}(2N+4114)) + B_{\bar{N}}(2N+4115 - B_{\bar{N}}(2N+4113)) + B_{\bar{N}}(2N+4115 - B_{\bar{N}}(2N+4112))$$

$$= B_{\bar{N}}\left(2N+4115 - \left(\frac{16N}{7} - \frac{409}{7}\right)\right) + B_{\bar{N}}(2N+4115 - 4472) + B_{\bar{N}}(2N+4115 - (80N+21773))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29214}{7}\right) + B_{\bar{N}}(2N-357) + B_{\bar{N}}(-78N-17658) = 0 + \left(\frac{15N}{7} - \frac{411}{7}\right) + 0 = \frac{15N}{7} - \frac{411}{7}$$

$$(N \ge 14607)$$

$$B_{\bar{N}}(2N+4116) = B_{\bar{N}}(2N+4116 - B_{\bar{N}}(2N+4115)) + B_{\bar{N}}(2N+4116 - B_{\bar{N}}(2N+4114)) + B_{\bar{N}}(2N+4116 - B_{\bar{N}}(2N+4113))$$

$$= B_{\bar{N}}\left(2N+4116 - \left(\frac{15N}{7} - \frac{411}{7}\right)\right) + B_{\bar{N}}\left(2N+4116 - \left(\frac{16N}{7} - \frac{409}{7}\right)\right) + B_{\bar{N}}(2N+4116 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29223}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29221}{7}\right) + B_{\bar{N}}(2N-356) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29223) *$$

$$B_{\bar{N}}(2N+4117) = B_{\bar{N}}(2N+4117 - B_{\bar{N}}(2N+4116)) + B_{\bar{N}}(2N+4117 - B_{\bar{N}}(2N+4115)) + B_{\bar{N}}(2N+4117 - B_{\bar{N}}(2N+4114))$$

$$= B_{\bar{N}}(2N+4117 - (N-2)) + B_{\bar{N}}\left(2N+4117 - \left(\frac{15N}{7} - \frac{411}{7}\right)\right) + B_{\bar{N}}\left(2N+4117 - \left(\frac{16N}{7} - \frac{409}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4119) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29230}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29228}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29230) *$$

$$B_{\bar{N}}(2N+4118) = B_{\bar{N}}(2N+4118-B_{\bar{N}}(2N+4117)) + B_{\bar{N}}(2N+4118-B_{\bar{N}}(2N+4116)) + B_{\bar{N}}(2N+4118-B_{\bar{N}}(2N+4115))$$

$$= B_{\bar{N}}(2N+4118-7) + B_{\bar{N}}(2N+4118-(N-2)) + B_{\bar{N}}\left(2N+4118-\left(\frac{15N}{7}-\frac{411}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4111) + B_{\bar{N}}(N+4120) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29237}{7}\right) = (80N+49373) + (2N+1221) + 0 = 82N+50594$$

$$(N > 29237) *$$

$$B_{\bar{N}}(2N+4119) = B_{\bar{N}}(2N+4119 - B_{\bar{N}}(2N+4118)) + B_{\bar{N}}(2N+4119 - B_{\bar{N}}(2N+4117)) + B_{\bar{N}}(2N+4119 - B_{\bar{N}}(2N+4116))$$

$$= B_{\bar{N}}(2N+4119 - (82N+50594)) + B_{\bar{N}}(2N+4119 - 7) + B_{\bar{N}}(2N+4119 - (N-2))$$

$$= B_{\bar{N}}(-80N-46475) + B_{\bar{N}}(2N+4112) + B_{\bar{N}}(N+4121) = 0 + (80N+21773) + (2N+581) = 82N + 22354$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4120) &= B_{\bar{N}}(2N+4120-B_{\bar{N}}(2N+4119)) + B_{\bar{N}}(2N+4120-B_{\bar{N}}(2N+4118)) + B_{\bar{N}}(2N+4120-B_{\bar{N}}(2N+4117)) \\ &= B_{\bar{N}}(2N+4120-(82N+22354)) + B_{\bar{N}}(2N+4120-(82N+50594)) + B_{\bar{N}}(2N+4120-7) \\ &= B_{\bar{N}}(-80N-18234) + B_{\bar{N}}(-80N-46474) + B_{\bar{N}}(2N+4113) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4121) = B_{\bar{N}}(2N+4121 - B_{\bar{N}}(2N+4120)) + B_{\bar{N}}(2N+4121 - B_{\bar{N}}(2N+4119)) + B_{\bar{N}}(2N+4121 - B_{\bar{N}}(2N+4118))$$

$$= B_{\bar{N}}(2N+4121 - 4472) + B_{\bar{N}}(2N+4121 - (82N+22354)) + B_{\bar{N}}(2N+4121 - (82N+50594))$$

$$= B_{\bar{N}}(2N-351) + B_{\bar{N}}(-80N-18233) + B_{\bar{N}}(-80N-46473) = \left(\frac{16N}{7} - \frac{395}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{395}{7}$$

$$(N \ge 418)$$

$$B_{\bar{N}}(2N+4122) = B_{\bar{N}}(2N+4122-B_{\bar{N}}(2N+4121)) + B_{\bar{N}}(2N+4122-B_{\bar{N}}(2N+4120)) + B_{\bar{N}}(2N+4122-B_{\bar{N}}(2N+4119))$$

$$= B_{\bar{N}}\left(2N+4122-\left(\frac{16N}{7}-\frac{395}{7}\right)\right) + B_{\bar{N}}(2N+4122-4472) + B_{\bar{N}}(2N+4122-(82N+22354))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29249}{7}\right) + B_{\bar{N}}(2N-350) + B_{\bar{N}}(-80N-18232) = 0 + \left(\frac{15N}{7}-\frac{404}{7}\right) + 0 = \frac{15N}{7}-\frac{404}{7}$$

$$(N \ge 14625)$$

$$B_{\bar{N}}(2N+4123) = B_{\bar{N}}(2N+4123 - B_{\bar{N}}(2N+4122)) + B_{\bar{N}}(2N+4123 - B_{\bar{N}}(2N+4121)) + B_{\bar{N}}(2N+4123 - B_{\bar{N}}(2N+4120))$$

$$= B_{\bar{N}}\left(2N+4123 - \left(\frac{15N}{7} - \frac{404}{7}\right)\right) + B_{\bar{N}}\left(2N+4123 - \left(\frac{16N}{7} - \frac{395}{7}\right)\right) + B_{\bar{N}}(2N+4123 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29265}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29256}{7}\right) + B_{\bar{N}}(2N-349) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29265) *$$

$$B_{\bar{N}}(2N+4124) = B_{\bar{N}}(2N+4124 - B_{\bar{N}}(2N+4123)) + B_{\bar{N}}(2N+4124 - B_{\bar{N}}(2N+4122)) + B_{\bar{N}}(2N+4124 - B_{\bar{N}}(2N+4121))$$

$$= B_{\bar{N}}(2N+4124 - (N-2)) + B_{\bar{N}}\left(2N+4124 - \left(\frac{15N}{7} - \frac{404}{7}\right)\right) + B_{\bar{N}}\left(2N+4124 - \left(\frac{16N}{7} - \frac{395}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4126) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29272}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29263}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29272) *$$

$$B_{\bar{N}}(2N+4125) = B_{\bar{N}}(2N+4125 - B_{\bar{N}}(2N+4124)) + B_{\bar{N}}(2N+4125 - B_{\bar{N}}(2N+4123)) + B_{\bar{N}}(2N+4125 - B_{\bar{N}}(2N+4125))$$

$$= B_{\bar{N}}(2N+4125-7) + B_{\bar{N}}(2N+4125-(N-2)) + B_{\bar{N}}\left(2N+4125 - \left(\frac{15N}{7} - \frac{404}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4118) + B_{\bar{N}}(N+4127) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29279}{7}\right) = (82N+50594) + (2N+1223) + 0 = 84N+51817$$

$$(N \ge 29279) *$$

$$B_{\bar{N}}(2N+4126) = B_{\bar{N}}(2N+4126-B_{\bar{N}}(2N+4125)) + B_{\bar{N}}(2N+4126-B_{\bar{N}}(2N+4124)) + B_{\bar{N}}(2N+4126-B_{\bar{N}}(2N+4123))$$

$$= B_{\bar{N}}(2N+4126-(84N+51817)) + B_{\bar{N}}(2N+4126-7) + B_{\bar{N}}(2N+4126-(N-2))$$

$$= B_{\bar{N}}(-82N-47691) + B_{\bar{N}}(2N+4119) + B_{\bar{N}}(N+4128) = 0 + (82N+22354) + (2N+582) = 84N + 22936$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4127) = B_{\bar{N}}(2N+4127-B_{\bar{N}}(2N+4126)) + B_{\bar{N}}(2N+4127-B_{\bar{N}}(2N+4125)) + B_{\bar{N}}(2N+4127-B_{\bar{N}}(2N+4124))$$

$$= B_{\bar{N}}(2N+4127-(84N+22936)) + B_{\bar{N}}(2N+4127-(84N+51817)) + B_{\bar{N}}(2N+4127-7)$$

$$= B_{\bar{N}}(-82N-18809) + B_{\bar{N}}(-82N-47690) + B_{\bar{N}}(2N+4120) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4128) = B_{\bar{N}}(2N+4128 - B_{\bar{N}}(2N+4127)) + B_{\bar{N}}(2N+4128 - B_{\bar{N}}(2N+4126)) + B_{\bar{N}}(2N+4128 - B_{\bar{N}}(2N+4128))$$

$$= B_{\bar{N}}(2N+4128 - 4472) + B_{\bar{N}}(2N+4128 - (84N+22936)) + B_{\bar{N}}(2N+4128 - (84N+51817))$$

$$= B_{\bar{N}}(2N-344) + B_{\bar{N}}(-82N-18808) + B_{\bar{N}}(-82N-47689) = \left(\frac{16N}{7} - \frac{381}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{381}{7}$$

$$(N \ge 411)$$

$$B_{\bar{N}}(2N+4129) = B_{\bar{N}}(2N+4129 - B_{\bar{N}}(2N+4128)) + B_{\bar{N}}(2N+4129 - B_{\bar{N}}(2N+4127)) + B_{\bar{N}}(2N+4129 - B_{\bar{N}}(2N+4129))$$

$$= B_{\bar{N}}\left(2N+4129 - \left(\frac{16N}{7} - \frac{381}{7}\right)\right) + B_{\bar{N}}(2N+4129 - 4472) + B_{\bar{N}}(2N+4129 - (84N+22936))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29284}{7}\right) + B_{\bar{N}}(2N-343) + B_{\bar{N}}(-82N-18807) = 0 + \left(\frac{15N}{7} - \frac{397}{7}\right) + 0 = \frac{15N}{7} - \frac{397}{7}$$

$$(N > 14642)$$

$$B_{\bar{N}}(2N+4130) = B_{\bar{N}}(2N+4130 - B_{\bar{N}}(2N+4129)) + B_{\bar{N}}(2N+4130 - B_{\bar{N}}(2N+4128)) + B_{\bar{N}}(2N+4130 - B_{\bar{N}}(2N+4127))$$

$$= B_{\bar{N}}\left(2N+4130 - \left(\frac{15N}{7} - \frac{397}{7}\right)\right) + B_{\bar{N}}\left(2N+4130 - \left(\frac{16N}{7} - \frac{381}{7}\right)\right) + B_{\bar{N}}(2N+4130 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29307}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29291}{7}\right) + B_{\bar{N}}(2N-342) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29307) *$$

$$B_{\bar{N}}(2N+4131) = B_{\bar{N}}(2N+4131 - B_{\bar{N}}(2N+4130)) + B_{\bar{N}}(2N+4131 - B_{\bar{N}}(2N+4129)) + B_{\bar{N}}(2N+4131 - B_{\bar{N}}(2N+4128))$$

$$= B_{\bar{N}}(2N+4131 - (N-2)) + B_{\bar{N}}\left(2N+4131 - \left(\frac{15N}{7} - \frac{397}{7}\right)\right) + B_{\bar{N}}\left(2N+4131 - \left(\frac{16N}{7} - \frac{381}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4133) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29314}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29298}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29314) *$$

$$B_{\bar{N}}(2N+4132) = B_{\bar{N}}(2N+4132 - B_{\bar{N}}(2N+4131)) + B_{\bar{N}}(2N+4132 - B_{\bar{N}}(2N+4130)) + B_{\bar{N}}(2N+4132 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4133) = B_{\bar{N}}(2N+4133 - B_{\bar{N}}(2N+4132)) + B_{\bar{N}}(2N+4133 - B_{\bar{N}}(2N+4131)) + B_{\bar{N}}(2N+4133 - B_{\bar{N}}(2N+4130))$$

$$= B_{\bar{N}}(2N+4133 - (86N+53042)) + B_{\bar{N}}(2N+4133 - 7) + B_{\bar{N}}(2N+4133 - (N-2))$$

$$= B_{\bar{N}}(-84N-48909) + B_{\bar{N}}(2N+4126) + B_{\bar{N}}(N+4135) = 0 + (84N+22936) + (2N+583) = 86N+23519$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4134) = B_{\bar{N}}(2N+4134 - B_{\bar{N}}(2N+4133)) + B_{\bar{N}}(2N+4134 - B_{\bar{N}}(2N+4132)) + B_{\bar{N}}(2N+4134 - B_{\bar{N}}(2N+4131))$$

$$= B_{\bar{N}}(2N+4134 - (86N+23519)) + B_{\bar{N}}(2N+4134 - (86N+53042)) + B_{\bar{N}}(2N+4134 - 7)$$

$$= B_{\bar{N}}(-84N-19385) + B_{\bar{N}}(-84N-48908) + B_{\bar{N}}(2N+4127) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4135) = B_{\bar{N}}(2N+4135 - B_{\bar{N}}(2N+4134)) + B_{\bar{N}}(2N+4135 - B_{\bar{N}}(2N+4133)) + B_{\bar{N}}(2N+4135 - B_{\bar{N}}(2N+4132))$$

$$= B_{\bar{N}}(2N+4135 - 4472) + B_{\bar{N}}(2N+4135 - (86N+23519)) + B_{\bar{N}}(2N+4135 - (86N+53042))$$

$$= B_{\bar{N}}(2N-337) + B_{\bar{N}}(-84N-19384) + B_{\bar{N}}(-84N-48907) = \left(\frac{16N}{7} - \frac{367}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{367}{7}$$

$$(N \ge 404)$$

$$B_{\bar{N}}(2N+4136) = B_{\bar{N}}(2N+4136 - B_{\bar{N}}(2N+4135)) + B_{\bar{N}}(2N+4136 - B_{\bar{N}}(2N+4134)) + B_{\bar{N}}(2N+4136 - B_{\bar{N}}(2N+4133))$$

$$= B_{\bar{N}}\left(2N+4136 - \left(\frac{16N}{7} - \frac{367}{7}\right)\right) + B_{\bar{N}}(2N+4136 - 4472) + B_{\bar{N}}(2N+4136 - (86N+23519))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29319}{7}\right) + B_{\bar{N}}(2N-336) + B_{\bar{N}}(-84N-19383) = 0 + \left(\frac{15N}{7} - \frac{390}{7}\right) + 0 = \frac{15N}{7} - \frac{390}{7}$$

$$(N \ge 14660)$$

$$B_{\bar{N}}(2N+4137) = B_{\bar{N}}(2N+4137 - B_{\bar{N}}(2N+4136)) + B_{\bar{N}}(2N+4137 - B_{\bar{N}}(2N+4135)) + B_{\bar{N}}(2N+4137 - B_{\bar{N}}(2N+4134))$$

$$= B_{\bar{N}}\left(2N+4137 - \left(\frac{15N}{7} - \frac{390}{7}\right)\right) + B_{\bar{N}}\left(2N+4137 - \left(\frac{16N}{7} - \frac{367}{7}\right)\right) + B_{\bar{N}}(2N+4137 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29349}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29326}{7}\right) + B_{\bar{N}}(2N-335) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29349) *$$

$$B_{\bar{N}}(2N+4138) = B_{\bar{N}}(2N+4138 - B_{\bar{N}}(2N+4137)) + B_{\bar{N}}(2N+4138 - B_{\bar{N}}(2N+4136)) + B_{\bar{N}}(2N+4138 - B_{\bar{N}}(2N+4138))$$

$$= B_{\bar{N}}(2N+4138 - (N-2)) + B_{\bar{N}}\left(2N+4138 - \left(\frac{15N}{7} - \frac{390}{7}\right)\right) + B_{\bar{N}}\left(2N+4138 - \left(\frac{16N}{7} - \frac{367}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4140) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29356}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29333}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29356) *$$

$$B_{\bar{N}}(2N+4139) = B_{\bar{N}}(2N+4139 - B_{\bar{N}}(2N+4138)) + B_{\bar{N}}(2N+4139 - B_{\bar{N}}(2N+4137)) + B_{\bar{N}}(2N+4139 - B_{\bar{N}}(2N+4139))$$

$$= B_{\bar{N}}(2N+4139-7) + B_{\bar{N}}(2N+4139-(N-2)) + B_{\bar{N}}\left(2N+4139 - \left(\frac{15N}{7} - \frac{390}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4132) + B_{\bar{N}}(N+4141) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29363}{7}\right) = (86N+53042) + (2N+1227) + 0 = 88N+54269$$

$$(N \ge 29363) *$$

$$B_{\bar{N}}(2N+4140) = B_{\bar{N}}(2N+4140-B_{\bar{N}}(2N+4139)) + B_{\bar{N}}(2N+4140-B_{\bar{N}}(2N+4138)) + B_{\bar{N}}(2N+4140-B_{\bar{N}}(2N+4137))$$

$$= B_{\bar{N}}(2N+4140-(88N+54269)) + B_{\bar{N}}(2N+4140-7) + B_{\bar{N}}(2N+4140-(N-2))$$

$$= B_{\bar{N}}(-86N-50129) + B_{\bar{N}}(2N+4133) + B_{\bar{N}}(N+4142) = 0 + (86N+23519) + (2N+584) = 88N+24103$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4141) &= B_{\bar{N}}(2N+4141-B_{\bar{N}}(2N+4140)) + B_{\bar{N}}(2N+4141-B_{\bar{N}}(2N+4139)) + B_{\bar{N}}(2N+4141-B_{\bar{N}}(2N+4138)) \\ &= B_{\bar{N}}(2N+4141-(88N+24103)) + B_{\bar{N}}(2N+4141-(88N+54269)) + B_{\bar{N}}(2N+4141-7) \\ &= B_{\bar{N}}(-86N-19962) + B_{\bar{N}}(-86N-50128) + B_{\bar{N}}(2N+4134) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4142) = B_{\bar{N}}(2N+4142 - B_{\bar{N}}(2N+4141)) + B_{\bar{N}}(2N+4142 - B_{\bar{N}}(2N+4140)) + B_{\bar{N}}(2N+4142 - B_{\bar{N}}(2N+4139))$$

$$= B_{\bar{N}}(2N+4142 - 4472) + B_{\bar{N}}(2N+4142 - (88N+24103)) + B_{\bar{N}}(2N+4142 - (88N+54269))$$

$$= B_{\bar{N}}(2N-330) + B_{\bar{N}}(-86N-19961) + B_{\bar{N}}(-86N-50127) = \left(\frac{16N}{7} - \frac{353}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{353}{7}$$

$$(N \ge 397)$$

$$B_{\bar{N}}(2N+4143) = B_{\bar{N}}(2N+4143 - B_{\bar{N}}(2N+4142)) + B_{\bar{N}}(2N+4143 - B_{\bar{N}}(2N+4141)) + B_{\bar{N}}(2N+4143 - B_{\bar{N}}(2N+4140))$$

$$= B_{\bar{N}}\left(2N+4143 - \left(\frac{16N}{7} - \frac{353}{7}\right)\right) + B_{\bar{N}}(2N+4143 - 4472) + B_{\bar{N}}(2N+4143 - (88N+24103))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29354}{7}\right) + B_{\bar{N}}(2N-329) + B_{\bar{N}}(-86N-19960) = 0 + \left(\frac{15N}{7} - \frac{383}{7}\right) + 0 = \frac{15N}{7} - \frac{383}{7}$$

$$(N \ge 14677)$$

$$B_{\bar{N}}(2N+4144) = B_{\bar{N}}(2N+4144 - B_{\bar{N}}(2N+4143)) + B_{\bar{N}}(2N+4144 - B_{\bar{N}}(2N+4142)) + B_{\bar{N}}(2N+4144 - B_{\bar{N}}(2N+4141))$$

$$= B_{\bar{N}}\left(2N+4144 - \left(\frac{15N}{7} - \frac{383}{7}\right)\right) + B_{\bar{N}}\left(2N+4144 - \left(\frac{16N}{7} - \frac{353}{7}\right)\right) + B_{\bar{N}}(2N+4144 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29391}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29361}{7}\right) + B_{\bar{N}}(2N-328) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29391) *$$

$$B_{\bar{N}}(2N+4145) = B_{\bar{N}}(2N+4145 - B_{\bar{N}}(2N+4144)) + B_{\bar{N}}(2N+4145 - B_{\bar{N}}(2N+4143)) + B_{\bar{N}}(2N+4145 - B_{\bar{N}}(2N+4145))$$

$$= B_{\bar{N}}(2N+4145 - (N-2)) + B_{\bar{N}}\left(2N+4145 - \left(\frac{15N}{7} - \frac{383}{7}\right)\right) + B_{\bar{N}}\left(2N+4145 - \left(\frac{16N}{7} - \frac{353}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4147) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29398}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29368}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29398) *$$

$$B_{\bar{N}}(2N+4146) = B_{\bar{N}}(2N+4146 - B_{\bar{N}}(2N+4145)) + B_{\bar{N}}(2N+4146 - B_{\bar{N}}(2N+4144)) + B_{\bar{N}}(2N+4146 - B_{\bar{N}}(2N+4146))$$

$$= B_{\bar{N}}(2N+4146-7) + B_{\bar{N}}(2N+4146-(N-2)) + B_{\bar{N}}\left(2N+4146 - \left(\frac{15N}{7} - \frac{383}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4139) + B_{\bar{N}}(N+4148) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29405}{7}\right) = (88N+54269) + (2N+1229) + 0 = 90N+55498$$

$$(N \ge 29405) *$$

$$B_{\bar{N}}(2N+4147) = B_{\bar{N}}(2N+4147 - B_{\bar{N}}(2N+4146)) + B_{\bar{N}}(2N+4147 - B_{\bar{N}}(2N+4145)) + B_{\bar{N}}(2N+4147 - B_{\bar{N}}(2N+4144))$$

$$= B_{\bar{N}}(2N+4147 - (90N+55498)) + B_{\bar{N}}(2N+4147 - 7) + B_{\bar{N}}(2N+4147 - (N-2))$$

$$= B_{\bar{N}}(-88N-51351) + B_{\bar{N}}(2N+4140) + B_{\bar{N}}(N+4149) = 0 + (88N+24103) + (2N+585) = 90N + 24688$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4148) &= B_{\bar{N}}(2N+4148-B_{\bar{N}}(2N+4147)) + B_{\bar{N}}(2N+4148-B_{\bar{N}}(2N+4146)) + B_{\bar{N}}(2N+4148-B_{\bar{N}}(2N+4145)) \\ &= B_{\bar{N}}(2N+4148-(90N+24688)) + B_{\bar{N}}(2N+4148-(90N+55498)) + B_{\bar{N}}(2N+4148-7) \\ &= B_{\bar{N}}(-88N-20540) + B_{\bar{N}}(-88N-51350) + B_{\bar{N}}(2N+4141) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4149) = B_{\bar{N}}(2N+4149 - B_{\bar{N}}(2N+4148)) + B_{\bar{N}}(2N+4149 - B_{\bar{N}}(2N+4147)) + B_{\bar{N}}(2N+4149 - B_{\bar{N}}(2N+4149))$$

$$= B_{\bar{N}}(2N+4149 - 4472) + B_{\bar{N}}(2N+4149 - (90N+24688)) + B_{\bar{N}}(2N+4149 - (90N+55498))$$

$$= B_{\bar{N}}(2N-323) + B_{\bar{N}}(-88N-20539) + B_{\bar{N}}(-88N-51349) = \left(\frac{16N}{7} - \frac{339}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{339}{7}$$

$$(N \ge 390)$$

$$B_{\bar{N}}(2N+4150) = B_{\bar{N}}(2N+4150 - B_{\bar{N}}(2N+4149)) + B_{\bar{N}}(2N+4150 - B_{\bar{N}}(2N+4148)) + B_{\bar{N}}(2N+4150 - B_{\bar{N}}(2N+4147))$$

$$= B_{\bar{N}}\left(2N+4150 - \left(\frac{16N}{7} - \frac{339}{7}\right)\right) + B_{\bar{N}}(2N+4150 - 4472) + B_{\bar{N}}(2N+4150 - (90N+24688))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29389}{7}\right) + B_{\bar{N}}(2N-322) + B_{\bar{N}}(-88N-20538) = 0 + \left(\frac{15N}{7} - \frac{376}{7}\right) + 0 = \frac{15N}{7} - \frac{376}{7}$$

$$(N \ge 14695)$$

$$B_{\bar{N}}(2N+4151) = B_{\bar{N}}(2N+4151 - B_{\bar{N}}(2N+4150)) + B_{\bar{N}}(2N+4151 - B_{\bar{N}}(2N+4149)) + B_{\bar{N}}(2N+4151 - B_{\bar{N}}(2N+4148))$$

$$= B_{\bar{N}}\left(2N+4151 - \left(\frac{15N}{7} - \frac{376}{7}\right)\right) + B_{\bar{N}}\left(2N+4151 - \left(\frac{16N}{7} - \frac{339}{7}\right)\right) + B_{\bar{N}}(2N+4151 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29433}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29396}{7}\right) + B_{\bar{N}}(2N-321) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29433) *$$

$$B_{\bar{N}}(2N+4152) = B_{\bar{N}}(2N+4152 - B_{\bar{N}}(2N+4151)) + B_{\bar{N}}(2N+4152 - B_{\bar{N}}(2N+4150)) + B_{\bar{N}}(2N+4152 - B_{\bar{N}}(2N+4149))$$

$$= B_{\bar{N}}(2N+4152 - (N-2)) + B_{\bar{N}}\left(2N+4152 - \left(\frac{15N}{7} - \frac{376}{7}\right)\right) + B_{\bar{N}}\left(2N+4152 - \left(\frac{16N}{7} - \frac{339}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4154) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29440}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29403}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29440) *$$

$$B_{\bar{N}}(2N+4153) = B_{\bar{N}}(2N+4153 - B_{\bar{N}}(2N+4152)) + B_{\bar{N}}(2N+4153 - B_{\bar{N}}(2N+4151)) + B_{\bar{N}}(2N+4153 - B_{\bar{N}}(2N+4150))$$

$$= B_{\bar{N}}(2N+4153-7) + B_{\bar{N}}(2N+4153-(N-2)) + B_{\bar{N}}\left(2N+4153 - \left(\frac{15N}{7} - \frac{376}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4146) + B_{\bar{N}}(N+4155) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29447}{7}\right) = (90N+55498) + (2N+1231) + 0 = 92N+56729$$

$$(N \ge 29447) *$$

$$B_{\bar{N}}(2N+4154) = B_{\bar{N}}(2N+4154 - B_{\bar{N}}(2N+4153)) + B_{\bar{N}}(2N+4154 - B_{\bar{N}}(2N+4152)) + B_{\bar{N}}(2N+4154 - B_{\bar{N}}(2N+4151))$$

$$= B_{\bar{N}}(2N+4154 - (92N+56729)) + B_{\bar{N}}(2N+4154 - 7) + B_{\bar{N}}(2N+4154 - (N-2))$$

$$= B_{\bar{N}}(-90N-52575) + B_{\bar{N}}(2N+4147) + B_{\bar{N}}(N+4156) = 0 + (90N+24688) + (2N+586) = 92N+25274$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4155) = B_{\bar{N}}(2N+4155-B_{\bar{N}}(2N+4154)) + B_{\bar{N}}(2N+4155-B_{\bar{N}}(2N+4153)) + B_{\bar{N}}(2N+4155-B_{\bar{N}}(2N+4152))$$

$$= B_{\bar{N}}(2N+4155-(92N+25274)) + B_{\bar{N}}(2N+4155-(92N+56729)) + B_{\bar{N}}(2N+4155-7)$$

$$= B_{\bar{N}}(-90N-21119) + B_{\bar{N}}(-90N-52574) + B_{\bar{N}}(2N+4148) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4156) = B_{\bar{N}}(2N+4156 - B_{\bar{N}}(2N+4155)) + B_{\bar{N}}(2N+4156 - B_{\bar{N}}(2N+4154)) + B_{\bar{N}}(2N+4156 - B_{\bar{N}}(2N+4153))$$

$$= B_{\bar{N}}(2N+4156 - 4472) + B_{\bar{N}}(2N+4156 - (92N+25274)) + B_{\bar{N}}(2N+4156 - (92N+56729))$$

$$= B_{\bar{N}}(2N-316) + B_{\bar{N}}(-90N-21118) + B_{\bar{N}}(-90N-52573) = \left(\frac{16N}{7} - \frac{325}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{325}{7}$$

$$(N \ge 383)$$

$$B_{\bar{N}}(2N+4157) = B_{\bar{N}}(2N+4157 - B_{\bar{N}}(2N+4156)) + B_{\bar{N}}(2N+4157 - B_{\bar{N}}(2N+4155)) + B_{\bar{N}}(2N+4157 - B_{\bar{N}}(2N+4154))$$

$$= B_{\bar{N}}\left(2N+4157 - \left(\frac{16N}{7} - \frac{325}{7}\right)\right) + B_{\bar{N}}(2N+4157 - 4472) + B_{\bar{N}}(2N+4157 - (92N+25274))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29424}{7}\right) + B_{\bar{N}}(2N-315) + B_{\bar{N}}(-90N-21117) = 0 + \left(\frac{15N}{7} - \frac{369}{7}\right) + 0 = \frac{15N}{7} - \frac{369}{7}$$

$$(N > 14712)$$

$$B_{\bar{N}}(2N+4158) = B_{\bar{N}}(2N+4158-B_{\bar{N}}(2N+4157)) + B_{\bar{N}}(2N+4158-B_{\bar{N}}(2N+4156)) + B_{\bar{N}}(2N+4158-B_{\bar{N}}(2N+4155))$$

$$= B_{\bar{N}}\left(2N+4158-\left(\frac{15N}{7}-\frac{369}{7}\right)\right) + B_{\bar{N}}\left(2N+4158-\left(\frac{16N}{7}-\frac{325}{7}\right)\right) + B_{\bar{N}}(2N+4158-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{29475}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29431}{7}\right) + B_{\bar{N}}(2N-314) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29475) *$$

$$B_{\bar{N}}(2N+4159) = B_{\bar{N}}(2N+4159 - B_{\bar{N}}(2N+4158)) + B_{\bar{N}}(2N+4159 - B_{\bar{N}}(2N+4157)) + B_{\bar{N}}(2N+4159 - B_{\bar{N}}(2N+4156))$$

$$= B_{\bar{N}}(2N+4159 - (N-2)) + B_{\bar{N}}\left(2N+4159 - \left(\frac{15N}{7} - \frac{369}{7}\right)\right) + B_{\bar{N}}\left(2N+4159 - \left(\frac{16N}{7} - \frac{325}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4161) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29482}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29438}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29482) *$$

$$B_{\bar{N}}(2N+4160) = B_{\bar{N}}(2N+4160 - B_{\bar{N}}(2N+4159)) + B_{\bar{N}}(2N+4160 - B_{\bar{N}}(2N+4158)) + B_{\bar{N}}(2N+4160 - B_{\bar{N}}(2N+4157))$$

$$= B_{\bar{N}}(2N+4160-7) + B_{\bar{N}}(2N+4160 - (N-2)) + B_{\bar{N}}\left(2N+4160 - \left(\frac{15N}{7} - \frac{369}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4153) + B_{\bar{N}}(N+4162) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29489}{7}\right) = (92N+56729) + (2N+1233) + 0 = 94N+57962$$

$$(N \ge 29489) *$$

$$B_{\bar{N}}(2N+4161) = B_{\bar{N}}(2N+4161 - B_{\bar{N}}(2N+4160)) + B_{\bar{N}}(2N+4161 - B_{\bar{N}}(2N+4159)) + B_{\bar{N}}(2N+4161 - B_{\bar{N}}(2N+4158))$$

$$= B_{\bar{N}}(2N+4161 - (94N+57962)) + B_{\bar{N}}(2N+4161 - 7) + B_{\bar{N}}(2N+4161 - (N-2))$$

$$= B_{\bar{N}}(-92N-53801) + B_{\bar{N}}(2N+4154) + B_{\bar{N}}(N+4163) = 0 + (92N+25274) + (2N+587) = 94N + 25861$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4162) = B_{\bar{N}}(2N+4162-B_{\bar{N}}(2N+4161)) + B_{\bar{N}}(2N+4162-B_{\bar{N}}(2N+4160)) + B_{\bar{N}}(2N+4162-B_{\bar{N}}(2N+4159))$$

$$= B_{\bar{N}}(2N+4162-(94N+25861)) + B_{\bar{N}}(2N+4162-(94N+57962)) + B_{\bar{N}}(2N+4162-7)$$

$$= B_{\bar{N}}(-92N-21699) + B_{\bar{N}}(-92N-53800) + B_{\bar{N}}(2N+4155) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4163) = B_{\bar{N}}(2N+4163 - B_{\bar{N}}(2N+4162)) + B_{\bar{N}}(2N+4163 - B_{\bar{N}}(2N+4161)) + B_{\bar{N}}(2N+4163 - B_{\bar{N}}(2N+4160))$$

$$= B_{\bar{N}}(2N+4163 - 4472) + B_{\bar{N}}(2N+4163 - (94N+25861)) + B_{\bar{N}}(2N+4163 - (94N+57962))$$

$$= B_{\bar{N}}(2N-309) + B_{\bar{N}}(-92N-21698) + B_{\bar{N}}(-92N-53799) = \left(\frac{16N}{7} - \frac{311}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{311}{7}$$

$$(N \ge 376)$$

$$B_{\bar{N}}(2N+4164) = B_{\bar{N}}(2N+4164 - B_{\bar{N}}(2N+4163)) + B_{\bar{N}}(2N+4164 - B_{\bar{N}}(2N+4162)) + B_{\bar{N}}(2N+4164 - B_{\bar{N}}(2N+4161))$$

$$= B_{\bar{N}}\left(2N+4164 - \left(\frac{16N}{7} - \frac{311}{7}\right)\right) + B_{\bar{N}}(2N+4164 - 4472) + B_{\bar{N}}(2N+4164 - (94N+25861))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29459}{7}\right) + B_{\bar{N}}(2N-308) + B_{\bar{N}}(-92N-21697) = 0 + \left(\frac{15N}{7} - \frac{362}{7}\right) + 0 = \frac{15N}{7} - \frac{362}{7}$$

$$(N > 14730)$$

$$B_{\bar{N}}(2N+4165) = B_{\bar{N}}(2N+4165 - B_{\bar{N}}(2N+4164)) + B_{\bar{N}}(2N+4165 - B_{\bar{N}}(2N+4163)) + B_{\bar{N}}(2N+4165 - B_{\bar{N}}(2N+4165))$$

$$= B_{\bar{N}}\left(2N+4165 - \left(\frac{15N}{7} - \frac{362}{7}\right)\right) + B_{\bar{N}}\left(2N+4165 - \left(\frac{16N}{7} - \frac{311}{7}\right)\right) + B_{\bar{N}}(2N+4165 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29517}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29466}{7}\right) + B_{\bar{N}}(2N-307) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29517) *$$

$$B_{\bar{N}}(2N+4166) = B_{\bar{N}}(2N+4166 - B_{\bar{N}}(2N+4165)) + B_{\bar{N}}(2N+4166 - B_{\bar{N}}(2N+4164)) + B_{\bar{N}}(2N+4166 - B_{\bar{N}}(2N+4163))$$

$$= B_{\bar{N}}(2N+4166 - (N-2)) + B_{\bar{N}}\left(2N+4166 - \left(\frac{15N}{7} - \frac{362}{7}\right)\right) + B_{\bar{N}}\left(2N+4166 - \left(\frac{16N}{7} - \frac{311}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4168) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29524}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29473}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29524) *$$

$$B_{\bar{N}}(2N+4167) = B_{\bar{N}}(2N+4167 - B_{\bar{N}}(2N+4166)) + B_{\bar{N}}(2N+4167 - B_{\bar{N}}(2N+4165)) + B_{\bar{N}}(2N+4167 - B_{\bar{N}}(2N+4164))$$

$$= B_{\bar{N}}(2N+4167-7) + B_{\bar{N}}(2N+4167-(N-2)) + B_{\bar{N}}\left(2N+4167 - \left(\frac{15N}{7} - \frac{362}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4160) + B_{\bar{N}}(N+4169) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29531}{7}\right) = (94N+57962) + (2N+1235) + 0 = 96N+59197$$

$$(N \ge 29531) *$$

$$B_{\bar{N}}(2N+4168) = B_{\bar{N}}(2N+4168-B_{\bar{N}}(2N+4167)) + B_{\bar{N}}(2N+4168-B_{\bar{N}}(2N+4166)) + B_{\bar{N}}(2N+4168-B_{\bar{N}}(2N+4165))$$

$$= B_{\bar{N}}(2N+4168-(96N+59197)) + B_{\bar{N}}(2N+4168-7) + B_{\bar{N}}(2N+4168-(N-2))$$

$$= B_{\bar{N}}(-94N-55029) + B_{\bar{N}}(2N+4161) + B_{\bar{N}}(N+4170) = 0 + (94N+25861) + (2N+588) = 96N+26449$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4169) = B_{\bar{N}}(2N+4169 - B_{\bar{N}}(2N+4168)) + B_{\bar{N}}(2N+4169 - B_{\bar{N}}(2N+4167)) + B_{\bar{N}}(2N+4169 - B_{\bar{N}}(2N+4169))$$

$$= B_{\bar{N}}(2N+4169 - (96N+26449)) + B_{\bar{N}}(2N+4169 - (96N+59197)) + B_{\bar{N}}(2N+4169 - 7)$$

$$= B_{\bar{N}}(-94N-22280) + B_{\bar{N}}(-94N-55028) + B_{\bar{N}}(2N+4162) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4170) = B_{\bar{N}}(2N+4170 - B_{\bar{N}}(2N+4169)) + B_{\bar{N}}(2N+4170 - B_{\bar{N}}(2N+4168)) + B_{\bar{N}}(2N+4170 - B_{\bar{N}}(2N+4167))$$

$$= B_{\bar{N}}(2N+4170 - 4472) + B_{\bar{N}}(2N+4170 - (96N+26449)) + B_{\bar{N}}(2N+4170 - (96N+59197))$$

$$= B_{\bar{N}}(2N-302) + B_{\bar{N}}(-94N-22279) + B_{\bar{N}}(-94N-55027) = \left(\frac{16N}{7} - \frac{297}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{297}{7}$$

$$(N \ge 369)$$

$$B_{\bar{N}}(2N+4171) = B_{\bar{N}}(2N+4171 - B_{\bar{N}}(2N+4170)) + B_{\bar{N}}(2N+4171 - B_{\bar{N}}(2N+4169)) + B_{\bar{N}}(2N+4171 - B_{\bar{N}}(2N+4168))$$

$$= B_{\bar{N}}\left(2N+4171 - \left(\frac{16N}{7} - \frac{297}{7}\right)\right) + B_{\bar{N}}(2N+4171 - 4472) + B_{\bar{N}}(2N+4171 - (96N+26449))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29494}{7}\right) + B_{\bar{N}}(2N-301) + B_{\bar{N}}(-94N-22278) = 0 + \left(\frac{15N}{7} - \frac{355}{7}\right) + 0 = \frac{15N}{7} - \frac{355}{7}$$

$$(N \ge 14747)$$

$$B_{\bar{N}}(2N+4172) = B_{\bar{N}}(2N+4172 - B_{\bar{N}}(2N+4171)) + B_{\bar{N}}(2N+4172 - B_{\bar{N}}(2N+4170)) + B_{\bar{N}}(2N+4172 - B_{\bar{N}}(2N+4169))$$

$$= B_{\bar{N}}\left(2N+4172 - \left(\frac{15N}{7} - \frac{355}{7}\right)\right) + B_{\bar{N}}\left(2N+4172 - \left(\frac{16N}{7} - \frac{297}{7}\right)\right) + B_{\bar{N}}(2N+4172 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29559}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29501}{7}\right) + B_{\bar{N}}(2N-300) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29559) *$$

$$B_{\bar{N}}(2N+4173) = B_{\bar{N}}(2N+4173 - B_{\bar{N}}(2N+4172)) + B_{\bar{N}}(2N+4173 - B_{\bar{N}}(2N+4171)) + B_{\bar{N}}(2N+4173 - B_{\bar{N}}(2N+4170))$$

$$= B_{\bar{N}}(2N+4173 - (N-2)) + B_{\bar{N}}\left(2N+4173 - \left(\frac{15N}{7} - \frac{355}{7}\right)\right) + B_{\bar{N}}\left(2N+4173 - \left(\frac{16N}{7} - \frac{297}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4175) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29566}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29508}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29566) *$$

$$B_{\bar{N}}(2N+4174) = B_{\bar{N}}(2N+4174-B_{\bar{N}}(2N+4173)) + B_{\bar{N}}(2N+4174-B_{\bar{N}}(2N+4172)) + B_{\bar{N}}(2N+4174-B_{\bar{N}}(2N+4171))$$

$$= B_{\bar{N}}(2N+4174-7) + B_{\bar{N}}(2N+4174-(N-2)) + B_{\bar{N}}\left(2N+4174-\left(\frac{15N}{7}-\frac{355}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4167) + B_{\bar{N}}(N+4176) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29573}{7}\right) = (96N+59197) + (2N+1237) + 0 = 98N+60434$$

$$(N \ge 29573) *$$

$$B_{\bar{N}}(2N+4175) = B_{\bar{N}}(2N+4175 - B_{\bar{N}}(2N+4174)) + B_{\bar{N}}(2N+4175 - B_{\bar{N}}(2N+4173)) + B_{\bar{N}}(2N+4175 - B_{\bar{N}}(2N+4172))$$

$$= B_{\bar{N}}(2N+4175 - (98N+60434)) + B_{\bar{N}}(2N+4175 - 7) + B_{\bar{N}}(2N+4175 - (N-2))$$

$$= B_{\bar{N}}(-96N-56259) + B_{\bar{N}}(2N+4168) + B_{\bar{N}}(N+4177) = 0 + (96N+26449) + (2N+589) = 98N + 27038$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4176) &= B_{\bar{N}}(2N+4176 - B_{\bar{N}}(2N+4175)) + B_{\bar{N}}(2N+4176 - B_{\bar{N}}(2N+4174)) + B_{\bar{N}}(2N+4176 - B_{\bar{N}}(2N+4173)) \\ &= B_{\bar{N}}(2N+4176 - (98N+27038)) + B_{\bar{N}}(2N+4176 - (98N+60434)) + B_{\bar{N}}(2N+4176 - 7) \\ &= B_{\bar{N}}(-96N-22862) + B_{\bar{N}}(-96N-56258) + B_{\bar{N}}(2N+4169) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4177) = B_{\bar{N}}(2N+4177 - B_{\bar{N}}(2N+4176)) + B_{\bar{N}}(2N+4177 - B_{\bar{N}}(2N+4175)) + B_{\bar{N}}(2N+4177 - B_{\bar{N}}(2N+4174))$$

$$= B_{\bar{N}}(2N+4177 - 4472) + B_{\bar{N}}(2N+4177 - (98N+27038)) + B_{\bar{N}}(2N+4177 - (98N+60434))$$

$$= B_{\bar{N}}(2N-295) + B_{\bar{N}}(-96N-22861) + B_{\bar{N}}(-96N-56257) = \left(\frac{16N}{7} - \frac{283}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{283}{7}$$

$$(N > 362)$$

$$B_{\bar{N}}(2N+4178) = B_{\bar{N}}(2N+4178 - B_{\bar{N}}(2N+4177)) + B_{\bar{N}}(2N+4178 - B_{\bar{N}}(2N+4176)) + B_{\bar{N}}(2N+4178 - B_{\bar{N}}(2N+4178))$$

$$= B_{\bar{N}}\left(2N+4178 - \left(\frac{16N}{7} - \frac{283}{7}\right)\right) + B_{\bar{N}}(2N+4178 - 4472) + B_{\bar{N}}(2N+4178 - (98N+27038))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29529}{7}\right) + B_{\bar{N}}(2N-294) + B_{\bar{N}}(-96N-22860) = 0 + \left(\frac{15N}{7} - \frac{348}{7}\right) + 0 = \frac{15N}{7} - \frac{348}{7}$$

$$(N \ge 14765)$$

$$B_{\bar{N}}(2N+4179) = B_{\bar{N}}(2N+4179 - B_{\bar{N}}(2N+4178)) + B_{\bar{N}}(2N+4179 - B_{\bar{N}}(2N+4177)) + B_{\bar{N}}(2N+4179 - B_{\bar{N}}(2N+4176))$$

$$= B_{\bar{N}}\left(2N+4179 - \left(\frac{15N}{7} - \frac{348}{7}\right)\right) + B_{\bar{N}}\left(2N+4179 - \left(\frac{16N}{7} - \frac{283}{7}\right)\right) + B_{\bar{N}}(2N+4179 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29601}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29536}{7}\right) + B_{\bar{N}}(2N-293) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29601) *$$

$$B_{\bar{N}}(2N+4180) = B_{\bar{N}}(2N+4180 - B_{\bar{N}}(2N+4179)) + B_{\bar{N}}(2N+4180 - B_{\bar{N}}(2N+4178)) + B_{\bar{N}}(2N+4180 - B_{\bar{N}}(2N+4177))$$

$$= B_{\bar{N}}(2N+4180 - (N-2)) + B_{\bar{N}}\left(2N+4180 - \left(\frac{15N}{7} - \frac{348}{7}\right)\right) + B_{\bar{N}}\left(2N+4180 - \left(\frac{16N}{7} - \frac{283}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4182) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29608}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29543}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29608) *$$

$$B_{\bar{N}}(2N+4181) = B_{\bar{N}}(2N+4181 - B_{\bar{N}}(2N+4180)) + B_{\bar{N}}(2N+4181 - B_{\bar{N}}(2N+4179)) + B_{\bar{N}}(2N+4181 - B_{\bar{N}}(2N+4178))$$

$$= B_{\bar{N}}(2N+4181-7) + B_{\bar{N}}(2N+4181 - (N-2)) + B_{\bar{N}}\left(2N+4181 - \left(\frac{15N}{7} - \frac{348}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4174) + B_{\bar{N}}(N+4183) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29615}{7}\right) = (98N+60434) + (2N+1239) + 0 = 100N+61673$$

$$(N \ge 29615) *$$

$$B_{\bar{N}}(2N+4182) = B_{\bar{N}}(2N+4182-B_{\bar{N}}(2N+4181)) + B_{\bar{N}}(2N+4182-B_{\bar{N}}(2N+4180)) + B_{\bar{N}}(2N+4182-B_{\bar{N}}(2N+4179))$$

$$= B_{\bar{N}}(2N+4182-(100N+61673)) + B_{\bar{N}}(2N+4182-7) + B_{\bar{N}}(2N+4182-(N-2))$$

$$= B_{\bar{N}}(-98N-57491) + B_{\bar{N}}(2N+4175) + B_{\bar{N}}(N+4184) = 0 + (98N+27038) + (2N+590) = 100N + 27628$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4183) = B_{\bar{N}}(2N+4183-B_{\bar{N}}(2N+4182)) + B_{\bar{N}}(2N+4183-B_{\bar{N}}(2N+4181)) + B_{\bar{N}}(2N+4183-B_{\bar{N}}(2N+4180))$$

$$= B_{\bar{N}}(2N+4183-(100N+27628)) + B_{\bar{N}}(2N+4183-(100N+61673)) + B_{\bar{N}}(2N+4183-7)$$

$$= B_{\bar{N}}(-98N-23445) + B_{\bar{N}}(-98N-57490) + B_{\bar{N}}(2N+4176) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4184) = B_{\bar{N}}(2N+4184 - B_{\bar{N}}(2N+4183)) + B_{\bar{N}}(2N+4184 - B_{\bar{N}}(2N+4182)) + B_{\bar{N}}(2N+4184 - B_{\bar{N}}(2N+4181))$$

$$= B_{\bar{N}}(2N+4184 - 4472) + B_{\bar{N}}(2N+4184 - (100N+27628)) + B_{\bar{N}}(2N+4184 - (100N+61673))$$

$$= B_{\bar{N}}(2N-288) + B_{\bar{N}}(-98N-23444) + B_{\bar{N}}(-98N-57489) = \left(\frac{16N}{7} - \frac{269}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{269}{7}$$

$$(N \ge 355)$$

$$B_{\bar{N}}(2N+4185) = B_{\bar{N}}(2N+4185 - B_{\bar{N}}(2N+4184)) + B_{\bar{N}}(2N+4185 - B_{\bar{N}}(2N+4183)) + B_{\bar{N}}(2N+4185 - B_{\bar{N}}(2N+4182))$$

$$= B_{\bar{N}}\left(2N+4185 - \left(\frac{16N}{7} - \frac{269}{7}\right)\right) + B_{\bar{N}}(2N+4185 - 4472) + B_{\bar{N}}(2N+4185 - (100N+27628))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29564}{7}\right) + B_{\bar{N}}(2N-287) + B_{\bar{N}}(-98N-23443) = 0 + \left(\frac{15N}{7} - \frac{341}{7}\right) + 0 = \frac{15N}{7} - \frac{341}{7}$$

$$(N > 14782)$$

$$B_{\bar{N}}(2N+4186) = B_{\bar{N}}(2N+4186-B_{\bar{N}}(2N+4185)) + B_{\bar{N}}(2N+4186-B_{\bar{N}}(2N+4184)) + B_{\bar{N}}(2N+4186-B_{\bar{N}}(2N+4183))$$

$$= B_{\bar{N}}\left(2N+4186-\left(\frac{15N}{7}-\frac{341}{7}\right)\right) + B_{\bar{N}}\left(2N+4186-\left(\frac{16N}{7}-\frac{269}{7}\right)\right) + B_{\bar{N}}(2N+4186-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{29643}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29571}{7}\right) + B_{\bar{N}}(2N-286) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29643) *$$

$$B_{\bar{N}}(2N+4187) = B_{\bar{N}}(2N+4187 - B_{\bar{N}}(2N+4186)) + B_{\bar{N}}(2N+4187 - B_{\bar{N}}(2N+4185)) + B_{\bar{N}}(2N+4187 - B_{\bar{N}}(2N+4184))$$

$$= B_{\bar{N}}(2N+4187 - (N-2)) + B_{\bar{N}}\left(2N+4187 - \left(\frac{15N}{7} - \frac{341}{7}\right)\right) + B_{\bar{N}}\left(2N+4187 - \left(\frac{16N}{7} - \frac{269}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4189) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29650}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29578}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29650) *$$

$$B_{\bar{N}}(2N+4188) = B_{\bar{N}}(2N+4188-B_{\bar{N}}(2N+4187)) + B_{\bar{N}}(2N+4188-B_{\bar{N}}(2N+4186)) + B_{\bar{N}}(2N+4188-B_{\bar{N}}(2N+4188))$$

$$= B_{\bar{N}}(2N+4188-7) + B_{\bar{N}}(2N+4188-(N-2)) + B_{\bar{N}}\left(2N+4188-\left(\frac{15N}{7}-\frac{341}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4181) + B_{\bar{N}}(N+4190) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29657}{7}\right) = (100N+61673) + (2N+1241) + 0 = 102N+62914$$

$$(N \ge 29657) *$$

$$B_{\bar{N}}(2N+4189) = B_{\bar{N}}(2N+4189 - B_{\bar{N}}(2N+4188)) + B_{\bar{N}}(2N+4189 - B_{\bar{N}}(2N+4187)) + B_{\bar{N}}(2N+4189 - B_{\bar{N}}(2N+4186))$$

$$= B_{\bar{N}}(2N+4189 - (102N+62914)) + B_{\bar{N}}(2N+4189 - 7) + B_{\bar{N}}(2N+4189 - (N-2))$$

$$= B_{\bar{N}}(-100N-58725) + B_{\bar{N}}(2N+4182) + B_{\bar{N}}(N+4191) = 0 + (100N+27628) + (2N+591) = 102N + 28219$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4190) = B_{\bar{N}}(2N+4190 - B_{\bar{N}}(2N+4189)) + B_{\bar{N}}(2N+4190 - B_{\bar{N}}(2N+4188)) + B_{\bar{N}}(2N+4190 - B_{\bar{N}}(2N+4187))$$

$$= B_{\bar{N}}(2N+4190 - (102N+28219)) + B_{\bar{N}}(2N+4190 - (102N+62914)) + B_{\bar{N}}(2N+4190 - 7)$$

$$= B_{\bar{N}}(-100N-24029) + B_{\bar{N}}(-100N-58724) + B_{\bar{N}}(2N+4183) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4191) = B_{\bar{N}}(2N+4191 - B_{\bar{N}}(2N+4190)) + B_{\bar{N}}(2N+4191 - B_{\bar{N}}(2N+4189)) + B_{\bar{N}}(2N+4191 - B_{\bar{N}}(2N+4188))$$

$$= B_{\bar{N}}(2N+4191 - 4472) + B_{\bar{N}}(2N+4191 - (102N+28219)) + B_{\bar{N}}(2N+4191 - (102N+62914))$$

$$= B_{\bar{N}}(2N-281) + B_{\bar{N}}(-100N-24028) + B_{\bar{N}}(-100N-58723) = \left(\frac{16N}{7} - \frac{255}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{255}{7}$$

$$(N \ge 348)$$

$$B_{\bar{N}}(2N+4192) = B_{\bar{N}}(2N+4192 - B_{\bar{N}}(2N+4191)) + B_{\bar{N}}(2N+4192 - B_{\bar{N}}(2N+4190)) + B_{\bar{N}}(2N+4192 - B_{\bar{N}}(2N+4192))$$

$$= B_{\bar{N}}\left(2N+4192 - \left(\frac{16N}{7} - \frac{255}{7}\right)\right) + B_{\bar{N}}(2N+4192 - 4472) + B_{\bar{N}}(2N+4192 - (102N+28219))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29599}{7}\right) + B_{\bar{N}}(2N-280) + B_{\bar{N}}(-100N-24027) = 0 + \left(\frac{15N}{7} - \frac{334}{7}\right) + 0 = \frac{15N}{7} - \frac{334}{7}$$

$$(N \ge 14800)$$

$$B_{\bar{N}}(2N+4193) = B_{\bar{N}}(2N+4193 - B_{\bar{N}}(2N+4192)) + B_{\bar{N}}(2N+4193 - B_{\bar{N}}(2N+4191)) + B_{\bar{N}}(2N+4193 - B_{\bar{N}}(2N+4190))$$

$$= B_{\bar{N}}\left(2N+4193 - \left(\frac{15N}{7} - \frac{334}{7}\right)\right) + B_{\bar{N}}\left(2N+4193 - \left(\frac{16N}{7} - \frac{255}{7}\right)\right) + B_{\bar{N}}(2N+4193 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29685}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29606}{7}\right) + B_{\bar{N}}(2N-279) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29685) *$$

$$B_{\bar{N}}(2N+4194) = B_{\bar{N}}(2N+4194 - B_{\bar{N}}(2N+4193)) + B_{\bar{N}}(2N+4194 - B_{\bar{N}}(2N+4192)) + B_{\bar{N}}(2N+4194 - B_{\bar{N}}(2N+4191))$$

$$= B_{\bar{N}}(2N+4194 - (N-2)) + B_{\bar{N}}\left(2N+4194 - \left(\frac{15N}{7} - \frac{334}{7}\right)\right) + B_{\bar{N}}\left(2N+4194 - \left(\frac{16N}{7} - \frac{255}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4196) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29692}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29613}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29692) *$$

$$B_{\bar{N}}(2N+4195) = B_{\bar{N}}(2N+4195 - B_{\bar{N}}(2N+4194)) + B_{\bar{N}}(2N+4195 - B_{\bar{N}}(2N+4193)) + B_{\bar{N}}(2N+4195 - B_{\bar{N}}(2N+4195))$$

$$= B_{\bar{N}}(2N+4195-7) + B_{\bar{N}}(2N+4195-(N-2)) + B_{\bar{N}}\left(2N+4195 - \left(\frac{15N}{7} - \frac{334}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4188) + B_{\bar{N}}(N+4197) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29699}{7}\right) = (102N+62914) + (2N+1243) + 0 = 104N+64157$$

$$(N \ge 29699) *$$

$$B_{\bar{N}}(2N+4196) = B_{\bar{N}}(2N+4196-B_{\bar{N}}(2N+4195)) + B_{\bar{N}}(2N+4196-B_{\bar{N}}(2N+4194)) + B_{\bar{N}}(2N+4196-B_{\bar{N}}(2N+4193))$$

$$= B_{\bar{N}}(2N+4196-(104N+64157)) + B_{\bar{N}}(2N+4196-7) + B_{\bar{N}}(2N+4196-(N-2))$$

$$= B_{\bar{N}}(-102N-59961) + B_{\bar{N}}(2N+4189) + B_{\bar{N}}(N+4198) = 0 + (102N+28219) + (2N+592) = 104N+28811$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4197) &= B_{\bar{N}}(2N+4197 - B_{\bar{N}}(2N+4196)) + B_{\bar{N}}(2N+4197 - B_{\bar{N}}(2N+4195)) + B_{\bar{N}}(2N+4197 - B_{\bar{N}}(2N+4194)) \\ &= B_{\bar{N}}(2N+4197 - (104N+28811)) + B_{\bar{N}}(2N+4197 - (104N+64157)) + B_{\bar{N}}(2N+4197 - 7) \\ &= B_{\bar{N}}(-102N-24614) + B_{\bar{N}}(-102N-59960) + B_{\bar{N}}(2N+4190) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4198) = B_{\bar{N}}(2N+4198-B_{\bar{N}}(2N+4197)) + B_{\bar{N}}(2N+4198-B_{\bar{N}}(2N+4196)) + B_{\bar{N}}(2N+4198-B_{\bar{N}}(2N+4195))$$

$$= B_{\bar{N}}(2N+4198-4472) + B_{\bar{N}}(2N+4198-(104N+28811)) + B_{\bar{N}}(2N+4198-(104N+64157))$$

$$= B_{\bar{N}}(2N-274) + B_{\bar{N}}(-102N-24613) + B_{\bar{N}}(-102N-59959) = \left(\frac{16N}{7} - \frac{241}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{241}{7}$$

$$(N \ge 341)$$

$$B_{\bar{N}}(2N+4199) = B_{\bar{N}}(2N+4199 - B_{\bar{N}}(2N+4198)) + B_{\bar{N}}(2N+4199 - B_{\bar{N}}(2N+4197)) + B_{\bar{N}}(2N+4199 - B_{\bar{N}}(2N+4196))$$

$$= B_{\bar{N}}\left(2N+4199 - \left(\frac{16N}{7} - \frac{241}{7}\right)\right) + B_{\bar{N}}(2N+4199 - 4472) + B_{\bar{N}}(2N+4199 - (104N+28811))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29634}{7}\right) + B_{\bar{N}}(2N-273) + B_{\bar{N}}(-102N-24612) = 0 + \left(\frac{15N}{7} - \frac{327}{7}\right) + 0 = \frac{15N}{7} - \frac{327}{7}$$

$$(N \ge 14817)$$

$$B_{\bar{N}}(2N+4200) = B_{\bar{N}}(2N+4200 - B_{\bar{N}}(2N+4199)) + B_{\bar{N}}(2N+4200 - B_{\bar{N}}(2N+4198)) + B_{\bar{N}}(2N+4200 - B_{\bar{N}}(2N+4197))$$

$$= B_{\bar{N}}\left(2N+4200 - \left(\frac{15N}{7} - \frac{327}{7}\right)\right) + B_{\bar{N}}\left(2N+4200 - \left(\frac{16N}{7} - \frac{241}{7}\right)\right) + B_{\bar{N}}(2N+4200 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29727}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29641}{7}\right) + B_{\bar{N}}(2N-272) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29727) *$$

$$B_{\bar{N}}(2N+4201) = B_{\bar{N}}(2N+4201 - B_{\bar{N}}(2N+4200)) + B_{\bar{N}}(2N+4201 - B_{\bar{N}}(2N+4199)) + B_{\bar{N}}(2N+4201 - B_{\bar{N}}(2N+4198))$$

$$= B_{\bar{N}}(2N+4201 - (N-2)) + B_{\bar{N}}\left(2N+4201 - \left(\frac{15N}{7} - \frac{327}{7}\right)\right) + B_{\bar{N}}\left(2N+4201 - \left(\frac{16N}{7} - \frac{241}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4203) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29734}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29648}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29734) *$$

$$B_{\bar{N}}(2N+4202) = B_{\bar{N}}(2N+4202-B_{\bar{N}}(2N+4201)) + B_{\bar{N}}(2N+4202-B_{\bar{N}}(2N+4200)) + B_{\bar{N}}(2N+4202-B_{\bar{N}}(2N+4199))$$

$$= B_{\bar{N}}(2N+4202-7) + B_{\bar{N}}(2N+4202-(N-2)) + B_{\bar{N}}\left(2N+4202-\left(\frac{15N}{7}-\frac{327}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4195) + B_{\bar{N}}(N+4204) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29741}{7}\right) = (104N+64157) + (2N+1245) + 0 = 106N+65402$$

$$(N \ge 29741) *$$

$$B_{\bar{N}}(2N+4203) = B_{\bar{N}}(2N+4203-B_{\bar{N}}(2N+4202)) + B_{\bar{N}}(2N+4203-B_{\bar{N}}(2N+4201)) + B_{\bar{N}}(2N+4203-B_{\bar{N}}(2N+4200))$$

$$= B_{\bar{N}}(2N+4203-(106N+65402)) + B_{\bar{N}}(2N+4203-7) + B_{\bar{N}}(2N+4203-(N-2))$$

$$= B_{\bar{N}}(-104N-61199) + B_{\bar{N}}(2N+4196) + B_{\bar{N}}(N+4205) = 0 + (104N+28811) + (2N+593) = 106N+29404$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4204) &= B_{\bar{N}}(2N+4204-B_{\bar{N}}(2N+4203)) + B_{\bar{N}}(2N+4204-B_{\bar{N}}(2N+4202)) + B_{\bar{N}}(2N+4204-B_{\bar{N}}(2N+4201)) \\ &= B_{\bar{N}}(2N+4204-(106N+29404)) + B_{\bar{N}}(2N+4204-(106N+65402)) + B_{\bar{N}}(2N+4204-7) \\ &= B_{\bar{N}}(-104N-25200) + B_{\bar{N}}(-104N-61198) + B_{\bar{N}}(2N+4197) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4205) = B_{\bar{N}}(2N+4205 - B_{\bar{N}}(2N+4204)) + B_{\bar{N}}(2N+4205 - B_{\bar{N}}(2N+4203)) + B_{\bar{N}}(2N+4205 - B_{\bar{N}}(2N+4202))$$

$$= B_{\bar{N}}(2N+4205 - 4472) + B_{\bar{N}}(2N+4205 - (106N+29404)) + B_{\bar{N}}(2N+4205 - (106N+65402))$$

$$= B_{\bar{N}}(2N-267) + B_{\bar{N}}(-104N-25199) + B_{\bar{N}}(-104N-61197) = \left(\frac{16N}{7} - \frac{227}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{227}{7}$$

$$(N \ge 334)$$

$$B_{\bar{N}}(2N+4206) = B_{\bar{N}}(2N+4206-B_{\bar{N}}(2N+4205)) + B_{\bar{N}}(2N+4206-B_{\bar{N}}(2N+4204)) + B_{\bar{N}}(2N+4206-B_{\bar{N}}(2N+4203))$$

$$= B_{\bar{N}}\left(2N+4206-\left(\frac{16N}{7}-\frac{227}{7}\right)\right) + B_{\bar{N}}(2N+4206-4472) + B_{\bar{N}}(2N+4206-(106N+29404))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29669}{7}\right) + B_{\bar{N}}(2N-266) + B_{\bar{N}}(-104N-25198) = 0 + \left(\frac{15N}{7}-\frac{320}{7}\right) + 0 = \frac{15N}{7}-\frac{320}{7}$$

$$(N \ge 14835)$$

$$B_{\bar{N}}(2N+4207) = B_{\bar{N}}(2N+4207 - B_{\bar{N}}(2N+4206)) + B_{\bar{N}}(2N+4207 - B_{\bar{N}}(2N+4205)) + B_{\bar{N}}(2N+4207 - B_{\bar{N}}(2N+4204))$$

$$= B_{\bar{N}}\left(2N+4207 - \left(\frac{15N}{7} - \frac{320}{7}\right)\right) + B_{\bar{N}}\left(2N+4207 - \left(\frac{16N}{7} - \frac{227}{7}\right)\right) + B_{\bar{N}}(2N+4207 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29769}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29676}{7}\right) + B_{\bar{N}}(2N-265) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29769) *$$

$$B_{\bar{N}}(2N+4208) = B_{\bar{N}}(2N+4208-B_{\bar{N}}(2N+4207)) + B_{\bar{N}}(2N+4208-B_{\bar{N}}(2N+4206)) + B_{\bar{N}}(2N+4208-B_{\bar{N}}(2N+4205))$$

$$= B_{\bar{N}}(2N+4208-(N-2)) + B_{\bar{N}}\left(2N+4208-\left(\frac{15N}{7}-\frac{320}{7}\right)\right) + B_{\bar{N}}\left(2N+4208-\left(\frac{16N}{7}-\frac{227}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4210) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29776}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29683}{7}\right) = 7+0+0=7$$

$$(N > 29776) *$$

$$B_{\bar{N}}(2N+4209) = B_{\bar{N}}(2N+4209 - B_{\bar{N}}(2N+4208)) + B_{\bar{N}}(2N+4209 - B_{\bar{N}}(2N+4207)) + B_{\bar{N}}(2N+4209 - B_{\bar{N}}(2N+4209))$$

$$= B_{\bar{N}}(2N+4209-7) + B_{\bar{N}}(2N+4209-(N-2)) + B_{\bar{N}}\left(2N+4209 - \left(\frac{15N}{7} - \frac{320}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4202) + B_{\bar{N}}(N+4211) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29783}{7}\right) = (106N+65402) + (2N+1247) + 0 = 108N + 66649$$

$$(N \ge 29783) *$$

$$B_{\bar{N}}(2N+4210) = B_{\bar{N}}(2N+4210-B_{\bar{N}}(2N+4209)) + B_{\bar{N}}(2N+4210-B_{\bar{N}}(2N+4208)) + B_{\bar{N}}(2N+4210-B_{\bar{N}}(2N+4207))$$

$$= B_{\bar{N}}(2N+4210-(108N+66649)) + B_{\bar{N}}(2N+4210-7) + B_{\bar{N}}(2N+4210-(N-2))$$

$$= B_{\bar{N}}(-106N-62439) + B_{\bar{N}}(2N+4203) + B_{\bar{N}}(N+4212) = 0 + (106N+29404) + (2N+594) = 108N + 29998$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4211) = B_{\bar{N}}(2N+4211-B_{\bar{N}}(2N+4210)) + B_{\bar{N}}(2N+4211-B_{\bar{N}}(2N+4209)) + B_{\bar{N}}(2N+4211-B_{\bar{N}}(2N+4208))$$

$$= B_{\bar{N}}(2N+4211-(108N+29998)) + B_{\bar{N}}(2N+4211-(108N+66649)) + B_{\bar{N}}(2N+4211-7)$$

$$= B_{\bar{N}}(-106N-25787) + B_{\bar{N}}(-106N-62438) + B_{\bar{N}}(2N+4204) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4212) = B_{\bar{N}}(2N+4212 - B_{\bar{N}}(2N+4211)) + B_{\bar{N}}(2N+4212 - B_{\bar{N}}(2N+4210)) + B_{\bar{N}}(2N+4212 - B_{\bar{N}}(2N+4209))$$

$$= B_{\bar{N}}(2N+4212 - 4472) + B_{\bar{N}}(2N+4212 - (108N+29998)) + B_{\bar{N}}(2N+4212 - (108N+66649))$$

$$= B_{\bar{N}}(2N-260) + B_{\bar{N}}(-106N-25786) + B_{\bar{N}}(-106N-62437) = \left(\frac{16N}{7} - \frac{213}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{213}{7}$$

$$(N > 327)$$

$$B_{\bar{N}}(2N+4213) = B_{\bar{N}}(2N+4213-B_{\bar{N}}(2N+4212)) + B_{\bar{N}}(2N+4213-B_{\bar{N}}(2N+4211)) + B_{\bar{N}}(2N+4213-B_{\bar{N}}(2N+4210))$$

$$= B_{\bar{N}}\left(2N+4213-\left(\frac{16N}{7}-\frac{213}{7}\right)\right) + B_{\bar{N}}(2N+4213-4472) + B_{\bar{N}}(2N+4213-(108N+29998))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29704}{7}\right) + B_{\bar{N}}(2N-259) + B_{\bar{N}}(-106N-25785) = 0 + \left(\frac{15N}{7}-\frac{313}{7}\right) + 0 = \frac{15N}{7}-\frac{313}{7}$$

$$(N \ge 14852)$$

$$\begin{split} B_{\bar{N}}(2N+4214) &= B_{\bar{N}}(2N+4214-B_{\bar{N}}(2N+4213)) + B_{\bar{N}}(2N+4214-B_{\bar{N}}(2N+4212)) + B_{\bar{N}}(2N+4214-B_{\bar{N}}(2N+4211)) \\ &= B_{\bar{N}}\bigg(2N+4214-\bigg(\frac{15N}{7}-\frac{313}{7}\bigg)\bigg) + B_{\bar{N}}\bigg(2N+4214-\bigg(\frac{16N}{7}-\frac{213}{7}\bigg)\bigg) + B_{\bar{N}}(2N+4214-4472) \\ &= B_{\bar{N}}\bigg(-\frac{N}{7}+\frac{29811}{7}\bigg) + B_{\bar{N}}\bigg(-\frac{2N}{7}+\frac{29711}{7}\bigg) + B_{\bar{N}}(2N-258) = 0 + 0 + (N-2) = N-2 \\ &(N \geq 29811) * \end{split}$$

$$B_{\bar{N}}(2N+4215) = B_{\bar{N}}(2N+4215 - B_{\bar{N}}(2N+4214)) + B_{\bar{N}}(2N+4215 - B_{\bar{N}}(2N+4213)) + B_{\bar{N}}(2N+4215 - B_{\bar{N}}(2N+4212))$$

$$= B_{\bar{N}}(2N+4215 - (N-2)) + B_{\bar{N}}\left(2N+4215 - \left(\frac{15N}{7} - \frac{313}{7}\right)\right) + B_{\bar{N}}\left(2N+4215 - \left(\frac{16N}{7} - \frac{213}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4217) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29818}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29718}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29818) *$$

$$B_{\bar{N}}(2N+4216) = B_{\bar{N}}(2N+4216-B_{\bar{N}}(2N+4215)) + B_{\bar{N}}(2N+4216-B_{\bar{N}}(2N+4214)) + B_{\bar{N}}(2N+4216-B_{\bar{N}}(2N+4213))$$

$$= B_{\bar{N}}(2N+4216-7) + B_{\bar{N}}(2N+4216-(N-2)) + B_{\bar{N}}\left(2N+4216-\left(\frac{15N}{7}-\frac{313}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4209) + B_{\bar{N}}(N+4218) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{29825}{7}\right) = (108N+66649) + (2N+1249) + 0 = 110N+67898$$

$$(N \ge 29825) *$$

$$B_{\bar{N}}(2N+4217) = B_{\bar{N}}(2N+4217-B_{\bar{N}}(2N+4216)) + B_{\bar{N}}(2N+4217-B_{\bar{N}}(2N+4215)) + B_{\bar{N}}(2N+4217-B_{\bar{N}}(2N+4214))$$

$$= B_{\bar{N}}(2N+4217-(110N+67898)) + B_{\bar{N}}(2N+4217-7) + B_{\bar{N}}(2N+4217-(N-2))$$

$$= B_{\bar{N}}(-108N-63681) + B_{\bar{N}}(2N+4210) + B_{\bar{N}}(N+4219) = 0 + (108N+29998) + (2N+595) = 110N+30593$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4218) = B_{\bar{N}}(2N+4218-B_{\bar{N}}(2N+4217)) + B_{\bar{N}}(2N+4218-B_{\bar{N}}(2N+4216)) + B_{\bar{N}}(2N+4218-B_{\bar{N}}(2N+4215))$$

$$= B_{\bar{N}}(2N+4218-(110N+30593)) + B_{\bar{N}}(2N+4218-(110N+67898)) + B_{\bar{N}}(2N+4218-7)$$

$$= B_{\bar{N}}(-108N-26375) + B_{\bar{N}}(-108N-63680) + B_{\bar{N}}(2N+4211) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4219) = B_{\bar{N}}(2N+4219 - B_{\bar{N}}(2N+4218)) + B_{\bar{N}}(2N+4219 - B_{\bar{N}}(2N+4217)) + B_{\bar{N}}(2N+4219 - B_{\bar{N}}(2N+4216))$$

$$= B_{\bar{N}}(2N+4219 - 4472) + B_{\bar{N}}(2N+4219 - (110N+30593)) + B_{\bar{N}}(2N+4219 - (110N+67898))$$

$$= B_{\bar{N}}(2N-253) + B_{\bar{N}}(-108N-26374) + B_{\bar{N}}(-108N-63679) = \left(\frac{16N}{7} - \frac{199}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{199}{7}$$

$$(N \ge 320)$$

$$B_{\bar{N}}(2N+4220) = B_{\bar{N}}(2N+4220 - B_{\bar{N}}(2N+4219)) + B_{\bar{N}}(2N+4220 - B_{\bar{N}}(2N+4218)) + B_{\bar{N}}(2N+4220 - B_{\bar{N}}(2N+4217))$$

$$= B_{\bar{N}}\left(2N+4220 - \left(\frac{16N}{7} - \frac{199}{7}\right)\right) + B_{\bar{N}}(2N+4220 - 4472) + B_{\bar{N}}(2N+4220 - (110N+30593))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29739}{7}\right) + B_{\bar{N}}(2N-252) + B_{\bar{N}}(-108N-26373) = 0 + \left(\frac{15N}{7} - \frac{306}{7}\right) + 0 = \frac{15N}{7} - \frac{306}{7}$$

$$(N \ge 14870)$$

$$B_{\bar{N}}(2N+4221) = B_{\bar{N}}(2N+4221 - B_{\bar{N}}(2N+4220)) + B_{\bar{N}}(2N+4221 - B_{\bar{N}}(2N+4219)) + B_{\bar{N}}(2N+4221 - B_{\bar{N}}(2N+4218))$$

$$= B_{\bar{N}}\left(2N+4221 - \left(\frac{15N}{7} - \frac{306}{7}\right)\right) + B_{\bar{N}}\left(2N+4221 - \left(\frac{16N}{7} - \frac{199}{7}\right)\right) + B_{\bar{N}}(2N+4221 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29853}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29746}{7}\right) + B_{\bar{N}}(2N-251) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29853) *$$

$$B_{\bar{N}}(2N+4222) = B_{\bar{N}}(2N+4222 - B_{\bar{N}}(2N+4221)) + B_{\bar{N}}(2N+4222 - B_{\bar{N}}(2N+4220)) + B_{\bar{N}}(2N+4222 - B_{\bar{N}}(2N+4219))$$

$$= B_{\bar{N}}(2N+4222 - (N-2)) + B_{\bar{N}}\left(2N+4222 - \left(\frac{15N}{7} - \frac{306}{7}\right)\right) + B_{\bar{N}}\left(2N+4222 - \left(\frac{16N}{7} - \frac{199}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4224) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29860}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29753}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29860) *$$

$$B_{\bar{N}}(2N+4223) = B_{\bar{N}}(2N+4223 - B_{\bar{N}}(2N+4222)) + B_{\bar{N}}(2N+4223 - B_{\bar{N}}(2N+4221)) + B_{\bar{N}}(2N+4223 - B_{\bar{N}}(2N+4223))$$

$$= B_{\bar{N}}(2N+4223-7) + B_{\bar{N}}(2N+4223-(N-2)) + B_{\bar{N}}\left(2N+4223 - \left(\frac{15N}{7} - \frac{306}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4216) + B_{\bar{N}}(N+4225) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29867}{7}\right) = (110N+67898) + (2N+1251) + 0 = 112N+69149$$

$$(N \ge 29867) *$$

$$\begin{split} B_{\bar{N}}(2N+4224) &= B_{\bar{N}}(2N+4224-B_{\bar{N}}(2N+4223)) + B_{\bar{N}}(2N+4224-B_{\bar{N}}(2N+4222)) + B_{\bar{N}}(2N+4224-B_{\bar{N}}(2N+4221)) \\ &= B_{\bar{N}}(2N+4224-(112N+69149)) + B_{\bar{N}}(2N+4224-7) + B_{\bar{N}}(2N+4224-(N-2)) \\ &= B_{\bar{N}}(-110N-64925) + B_{\bar{N}}(2N+4217) + B_{\bar{N}}(N+4226) = 0 + (110N+30593) + (2N+596) = 112N+31189 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+4225) &= B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4224)) + B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4223)) + B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}}(2N+4225-B_{\bar{N}$$

$$B_{\bar{N}}(2N+4226) = B_{\bar{N}}(2N+4226-B_{\bar{N}}(2N+4225)) + B_{\bar{N}}(2N+4226-B_{\bar{N}}(2N+4224)) + B_{\bar{N}}(2N+4226-B_{\bar{N}}(2N+4223))$$

$$= B_{\bar{N}}(2N+4226-4472) + B_{\bar{N}}(2N+4226-(112N+31189)) + B_{\bar{N}}(2N+4226-(112N+69149))$$

$$= B_{\bar{N}}(2N-246) + B_{\bar{N}}(-110N-26963) + B_{\bar{N}}(-110N-64923) = \left(\frac{16N}{7} - \frac{185}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{185}{7}$$

$$(N \ge 313)$$

$$B_{\bar{N}}(2N+4227) = B_{\bar{N}}(2N+4227 - B_{\bar{N}}(2N+4226)) + B_{\bar{N}}(2N+4227 - B_{\bar{N}}(2N+4225)) + B_{\bar{N}}(2N+4227 - B_{\bar{N}}(2N+4224))$$

$$= B_{\bar{N}}\left(2N+4227 - \left(\frac{16N}{7} - \frac{185}{7}\right)\right) + B_{\bar{N}}(2N+4227 - 4472) + B_{\bar{N}}(2N+4227 - (112N+31189))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29774}{7}\right) + B_{\bar{N}}(2N-245) + B_{\bar{N}}(-110N-26962) = 0 + \left(\frac{15N}{7} - \frac{299}{7}\right) + 0 = \frac{15N}{7} - \frac{299}{7}$$

$$(N \ge 14887)$$

$$B_{\bar{N}}(2N+4228) = B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4227)) + B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4226)) + B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2N+4228-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4229) = B_{\bar{N}}(2N+4229 - B_{\bar{N}}(2N+4228)) + B_{\bar{N}}(2N+4229 - B_{\bar{N}}(2N+4227)) + B_{\bar{N}}(2N+4229 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4230) = B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4229)) + B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230+B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230+B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4230) + B_{\bar{N}}($$

$$B_{\bar{N}}(2N+4231) = B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+4231-B_{\bar{N}}(2N+42$$

$$\begin{split} B_{\bar{N}}(2N+4232) &= B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4231)) + B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4230)) + B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}}(2N+4232-B_{\bar{N}$$

$$B_{\bar{N}}(2N+4233) = B_{\bar{N}}(2N+4233 - B_{\bar{N}}(2N+4232)) + B_{\bar{N}}(2N+4233 - B_{\bar{N}}(2N+4231)) + B_{\bar{N}}(2N+4233 - B_{\bar{N}}(2N+4230))$$

$$= B_{\bar{N}}(2N+4233 - 4472) + B_{\bar{N}}(2N+4233 - (114N+31786)) + B_{\bar{N}}(2N+4233 - (114N+70402))$$

$$= B_{\bar{N}}(2N-239) + B_{\bar{N}}(-112N-27553) + B_{\bar{N}}(-112N-66169) = \left(\frac{16N}{7} - \frac{171}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{171}{7}$$

$$(N \ge 306)$$

$$B_{\bar{N}}(2N+4234) = B_{\bar{N}}(2N+4234-B_{\bar{N}}(2N+4233)) + B_{\bar{N}}(2N+4234-B_{\bar{N}}(2N+4232)) + B_{\bar{N}}(2N+4234-B_{\bar{N}}(2N+4231))$$

$$= B_{\bar{N}}\left(2N+4234-\left(\frac{16N}{7}-\frac{171}{7}\right)\right) + B_{\bar{N}}(2N+4234-4472) + B_{\bar{N}}(2N+4234-(114N+31786))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29809}{7}\right) + B_{\bar{N}}(2N-238) + B_{\bar{N}}(-112N-27552) = 0 + \left(\frac{15N}{7}-\frac{292}{7}\right) + 0 = \frac{15N}{7}-\frac{292}{7}$$

$$(N \ge 14905)$$

$$B_{\bar{N}}(2N+4235) = B_{\bar{N}}(2N+4235 - B_{\bar{N}}(2N+4234)) + B_{\bar{N}}(2N+4235 - B_{\bar{N}}(2N+4233)) + B_{\bar{N}}(2N+4235 - B_{\bar{N}}(2N+4235))$$

$$= B_{\bar{N}}\left(2N+4235 - \left(\frac{15N}{7} - \frac{292}{7}\right)\right) + B_{\bar{N}}\left(2N+4235 - \left(\frac{16N}{7} - \frac{171}{7}\right)\right) + B_{\bar{N}}(2N+4235 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{29937}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29816}{7}\right) + B_{\bar{N}}(2N-237) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 29937) *$$

$$B_{\bar{N}}(2N+4236) = B_{\bar{N}}(2N+4236 - B_{\bar{N}}(2N+4235)) + B_{\bar{N}}(2N+4236 - B_{\bar{N}}(2N+4234)) + B_{\bar{N}}(2N+4236 - B_{\bar{N}}(2N+4236))$$

$$= B_{\bar{N}}(2N+4236 - (N-2)) + B_{\bar{N}}\left(2N+4236 - \left(\frac{15N}{7} - \frac{292}{7}\right)\right) + B_{\bar{N}}\left(2N+4236 - \left(\frac{16N}{7} - \frac{171}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4238) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29944}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29823}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 29944) *$$

$$B_{\bar{N}}(2N+4237) = B_{\bar{N}}(2N+4237 - B_{\bar{N}}(2N+4236)) + B_{\bar{N}}(2N+4237 - B_{\bar{N}}(2N+4235)) + B_{\bar{N}}(2N+4237 - B_{\bar{N}}(2N+4234))$$

$$= B_{\bar{N}}(2N+4237-7) + B_{\bar{N}}(2N+4237-(N-2)) + B_{\bar{N}}\left(2N+4237 - \left(\frac{15N}{7} - \frac{292}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4230) + B_{\bar{N}}(N+4239) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29951}{7}\right) = (114N+70402) + (2N+1255) + 0 = 116N+71657$$

$$(N \ge 29951) *$$

$$B_{\bar{N}}(2N+4238) = B_{\bar{N}}(2N+4238-B_{\bar{N}}(2N+4237)) + B_{\bar{N}}(2N+4238-B_{\bar{N}}(2N+4236)) + B_{\bar{N}}(2N+4238-B_{\bar{N}}(2N+4235))$$

$$= B_{\bar{N}}(2N+4238-(116N+71657)) + B_{\bar{N}}(2N+4238-7) + B_{\bar{N}}(2N+4238-(N-2))$$

$$= B_{\bar{N}}(-114N-67419) + B_{\bar{N}}(2N+4231) + B_{\bar{N}}(N+4240) = 0 + (114N+31786) + (2N+598) = 116N+32384$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4239) = B_{\bar{N}}(2N+4239 - B_{\bar{N}}(2N+4238)) + B_{\bar{N}}(2N+4239 - B_{\bar{N}}(2N+4237)) + B_{\bar{N}}(2N+4239 - B_{\bar{N}}(2N+4239))$$

$$= B_{\bar{N}}(2N+4239 - (116N+32384)) + B_{\bar{N}}(2N+4239 - (116N+71657)) + B_{\bar{N}}(2N+4239 - 7)$$

$$= B_{\bar{N}}(-114N-28145) + B_{\bar{N}}(-114N-67418) + B_{\bar{N}}(2N+4232) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4240) = B_{\bar{N}}(2N+4240 - B_{\bar{N}}(2N+4239)) + B_{\bar{N}}(2N+4240 - B_{\bar{N}}(2N+4238)) + B_{\bar{N}}(2N+4240 - B_{\bar{N}}(2N+4237))$$

$$= B_{\bar{N}}(2N+4240 - 4472) + B_{\bar{N}}(2N+4240 - (116N+32384)) + B_{\bar{N}}(2N+4240 - (116N+71657))$$

$$= B_{\bar{N}}(2N-232) + B_{\bar{N}}(-114N-28144) + B_{\bar{N}}(-114N-67417) = \left(\frac{16N}{7} - \frac{157}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{157}{7}$$

$$(N \ge 299)$$

$$B_{\bar{N}}(2N+4241) = B_{\bar{N}}(2N+4241 - B_{\bar{N}}(2N+4240)) + B_{\bar{N}}(2N+4241 - B_{\bar{N}}(2N+4239)) + B_{\bar{N}}(2N+4241 - B_{\bar{N}}(2N+4238))$$

$$= B_{\bar{N}}\left(2N+4241 - \left(\frac{16N}{7} - \frac{157}{7}\right)\right) + B_{\bar{N}}(2N+4241 - 4472) + B_{\bar{N}}(2N+4241 - (116N+32384))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29844}{7}\right) + B_{\bar{N}}(2N-231) + B_{\bar{N}}(-114N-28143) = 0 + \left(\frac{15N}{7} - \frac{285}{7}\right) + 0 = \frac{15N}{7} - \frac{285}{7}$$

$$(N \ge 14922)$$

$$B_{\bar{N}}(2N+4242) = B_{\bar{N}}(2N+4242 - B_{\bar{N}}(2N+4241)) + B_{\bar{N}}(2N+4242 - B_{\bar{N}}(2N+4240)) + B_{\bar{N}}(2N+4242 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4243) = B_{\bar{N}}(2N+4243 - B_{\bar{N}}(2N+4242)) + B_{\bar{N}}(2N+4243 - B_{\bar{N}}(2N+4241)) + B_{\bar{N}}(2N+4243 - B_{\bar{N}}(2N+4240))$$

$$= B_{\bar{N}}(2N+4243 - (N-2)) + B_{\bar{N}}\left(2N+4243 - \left(\frac{15N}{7} - \frac{285}{7}\right)\right) + B_{\bar{N}}\left(2N+4243 - \left(\frac{16N}{7} - \frac{157}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4245) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{29986}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29858}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 29986) *$$

$$B_{\bar{N}}(2N+4244) = B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4243)) + B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4242)) + B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2N+4244-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4245) = B_{\bar{N}}(2N+4245-B_{\bar{N}}(2N+4244)) + B_{\bar{N}}(2N+4245-B_{\bar{N}}(2N+4243)) + B_{\bar{N}}(2N+4245-B_{\bar{N}}(2N+4245))$$

$$= B_{\bar{N}}(2N+4245-(118N+72914)) + B_{\bar{N}}(2N+4245-7) + B_{\bar{N}}(2N+4245-(N-2))$$

$$= B_{\bar{N}}(-116N-68669) + B_{\bar{N}}(2N+4238) + B_{\bar{N}}(N+4247) = 0 + (116N+32384) + (2N+599) = 118N+32983$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4246) = B_{\bar{N}}(2N+4246-B_{\bar{N}}(2N+4245)) + B_{\bar{N}}(2N+4246-B_{\bar{N}}(2N+4244)) + B_{\bar{N}}(2N+4246-B_{\bar{N}}(2N+4243))$$

$$= B_{\bar{N}}(2N+4246-(118N+32983)) + B_{\bar{N}}(2N+4246-(118N+72914)) + B_{\bar{N}}(2N+4246-7)$$

$$= B_{\bar{N}}(-116N-28737) + B_{\bar{N}}(-116N-68668) + B_{\bar{N}}(2N+4239) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4247) = B_{\bar{N}}(2N+4247 - B_{\bar{N}}(2N+4246)) + B_{\bar{N}}(2N+4247 - B_{\bar{N}}(2N+4245)) + B_{\bar{N}}(2N+4247 - B_{\bar{N}}(2N+4244))$$

$$= B_{\bar{N}}(2N+4247 - 4472) + B_{\bar{N}}(2N+4247 - (118N+32983)) + B_{\bar{N}}(2N+4247 - (118N+72914))$$

$$= B_{\bar{N}}(2N-225) + B_{\bar{N}}(-116N-28736) + B_{\bar{N}}(-116N-68667) = \left(\frac{16N}{7} - \frac{143}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{143}{7}$$

$$(N \ge 292)$$

$$B_{\bar{N}}(2N+4248) = B_{\bar{N}}(2N+4248 - B_{\bar{N}}(2N+4247)) + B_{\bar{N}}(2N+4248 - B_{\bar{N}}(2N+4246)) + B_{\bar{N}}(2N+4248 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4249) = B_{\bar{N}}(2N+4249 - B_{\bar{N}}(2N+4248)) + B_{\bar{N}}(2N+4249 - B_{\bar{N}}(2N+4247)) + B_{\bar{N}}(2N+4249 - B_{\bar{N}}(2N+4249))$$

$$= B_{\bar{N}}\left(2N+4249 - \left(\frac{15N}{7} - \frac{278}{7}\right)\right) + B_{\bar{N}}\left(2N+4249 - \left(\frac{16N}{7} - \frac{143}{7}\right)\right) + B_{\bar{N}}(2N+4249 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30021}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29886}{7}\right) + B_{\bar{N}}(2N-223) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30021) *$$

$$B_{\bar{N}}(2N+4250) = B_{\bar{N}}(2N+4250 - B_{\bar{N}}(2N+4249)) + B_{\bar{N}}(2N+4250 - B_{\bar{N}}(2N+4248)) + B_{\bar{N}}(2N+4250 - B_{\bar{N}}(2N+4247))$$

$$= B_{\bar{N}}(2N+4250 - (N-2)) + B_{\bar{N}}\left(2N+4250 - \left(\frac{15N}{7} - \frac{278}{7}\right)\right) + B_{\bar{N}}\left(2N+4250 - \left(\frac{16N}{7} - \frac{143}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4252) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30028}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29893}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30028) *$$

$$B_{\bar{N}}(2N+4251) = B_{\bar{N}}(2N+4251 - B_{\bar{N}}(2N+4250)) + B_{\bar{N}}(2N+4251 - B_{\bar{N}}(2N+4249)) + B_{\bar{N}}(2N+4251 - B_{\bar{N}}(2N+4248))$$

$$= B_{\bar{N}}(2N+4251-7) + B_{\bar{N}}(2N+4251 - (N-2)) + B_{\bar{N}}\left(2N+4251 - \left(\frac{15N}{7} - \frac{278}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4244) + B_{\bar{N}}(N+4253) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30035}{7}\right) = (118N+72914) + (2N+1259) + 0 = 120N+74173$$

$$(N \ge 30035) *$$

$$\begin{split} B_{\bar{N}}(2N+4252) &= B_{\bar{N}}(2N+4252-B_{\bar{N}}(2N+4251)) + B_{\bar{N}}(2N+4252-B_{\bar{N}}(2N+4250)) + B_{\bar{N}}(2N+4252-B_{\bar{N}}(2N+4249)) \\ &= B_{\bar{N}}(2N+4252-(120N+74173)) + B_{\bar{N}}(2N+4252-7) + B_{\bar{N}}(2N+4252-(N-2)) \\ &= B_{\bar{N}}(-118N-69921) + B_{\bar{N}}(2N+4245) + B_{\bar{N}}(N+4254) = 0 + (118N+32983) + (2N+600) = 120N+33583 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+4253) &= B_{\bar{N}}(2N+4253-B_{\bar{N}}(2N+4252)) + B_{\bar{N}}(2N+4253-B_{\bar{N}}(2N+4251)) + B_{\bar{N}}(2N+4253-B_{\bar{N}}(2N+4250)) \\ &= B_{\bar{N}}(2N+4253-(120N+33583)) + B_{\bar{N}}(2N+4253-(120N+74173)) + B_{\bar{N}}(2N+4253-7) \\ &= B_{\bar{N}}(-118N-29330) + B_{\bar{N}}(-118N-69920) + B_{\bar{N}}(2N+4246) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4254) = B_{\bar{N}}(2N+4254 - B_{\bar{N}}(2N+4253)) + B_{\bar{N}}(2N+4254 - B_{\bar{N}}(2N+4252)) + B_{\bar{N}}(2N+4254 - B_{\bar{N}}(2N+4251))$$

$$= B_{\bar{N}}(2N+4254 - 4472) + B_{\bar{N}}(2N+4254 - (120N+33583)) + B_{\bar{N}}(2N+4254 - (120N+74173))$$

$$= B_{\bar{N}}(2N-218) + B_{\bar{N}}(-118N-29329) + B_{\bar{N}}(-118N-69919) = \left(\frac{16N}{7} - \frac{129}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{129}{7}$$

$$(N \ge 285)$$

$$B_{\bar{N}}(2N+4255) = B_{\bar{N}}(2N+4255 - B_{\bar{N}}(2N+4254)) + B_{\bar{N}}(2N+4255 - B_{\bar{N}}(2N+4253)) + B_{\bar{N}}(2N+4255 - B_{\bar{N}}(2N+4252))$$

$$= B_{\bar{N}}\left(2N+4255 - \left(\frac{16N}{7} - \frac{129}{7}\right)\right) + B_{\bar{N}}(2N+4255 - 4472) + B_{\bar{N}}(2N+4255 - (120N+33583))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29914}{7}\right) + B_{\bar{N}}(2N-217) + B_{\bar{N}}(-118N-29328) = 0 + \left(\frac{15N}{7} - \frac{271}{7}\right) + 0 = \frac{15N}{7} - \frac{271}{7}$$

$$(N \ge 14957)$$

$$B_{\bar{N}}(2N+4256) = B_{\bar{N}}(2N+4256-B_{\bar{N}}(2N+4255)) + B_{\bar{N}}(2N+4256-B_{\bar{N}}(2N+4254)) + B_{\bar{N}}(2N+4256-B_{\bar{N}}(2N+4253))$$

$$= B_{\bar{N}}\left(2N+4256-\left(\frac{15N}{7}-\frac{271}{7}\right)\right) + B_{\bar{N}}\left(2N+4256-\left(\frac{16N}{7}-\frac{129}{7}\right)\right) + B_{\bar{N}}(2N+4256-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30063}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{29921}{7}\right) + B_{\bar{N}}(2N-216) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30063) *$$

$$B_{\bar{N}}(2N+4257) = B_{\bar{N}}(2N+4257 - B_{\bar{N}}(2N+4256)) + B_{\bar{N}}(2N+4257 - B_{\bar{N}}(2N+4257)) + B_{\bar{N}}(2N+4257 - B_{\bar{N}}(2N+4254))$$

$$= B_{\bar{N}}(2N+4257 - (N-2)) + B_{\bar{N}}\left(2N+4257 - \left(\frac{15N}{7} - \frac{271}{7}\right)\right) + B_{\bar{N}}\left(2N+4257 - \left(\frac{16N}{7} - \frac{129}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4259) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30070}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29928}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30070) *$$

$$B_{\bar{N}}(2N+4258) = B_{\bar{N}}(2N+4258-B_{\bar{N}}(2N+4257)) + B_{\bar{N}}(2N+4258-B_{\bar{N}}(2N+4256)) + B_{\bar{N}}(2N+4258-B_{\bar{N}}(2N+4258))$$

$$= B_{\bar{N}}(2N+4258-7) + B_{\bar{N}}(2N+4258-(N-2)) + B_{\bar{N}}\left(2N+4258-\left(\frac{15N}{7}-\frac{271}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4251) + B_{\bar{N}}(N+4260) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{30077}{7}\right) = (120N+74173) + (2N+1261) + 0 = 122N+75434$$

$$(N \ge 30077) *$$

$$B_{\bar{N}}(2N+4259) = B_{\bar{N}}(2N+4259 - B_{\bar{N}}(2N+4258)) + B_{\bar{N}}(2N+4259 - B_{\bar{N}}(2N+4257)) + B_{\bar{N}}(2N+4259 - B_{\bar{N}}(2N+4256))$$

$$= B_{\bar{N}}(2N+4259 - (122N+75434)) + B_{\bar{N}}(2N+4259 - 7) + B_{\bar{N}}(2N+4259 - (N-2))$$

$$= B_{\bar{N}}(-120N-71175) + B_{\bar{N}}(2N+4252) + B_{\bar{N}}(N+4261) = 0 + (120N+33583) + (2N+601) = 122N+34184$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4260) &= B_{\bar{N}}(2N+4260-B_{\bar{N}}(2N+4259)) + B_{\bar{N}}(2N+4260-B_{\bar{N}}(2N+4258)) + B_{\bar{N}}(2N+4260-B_{\bar{N}}(2N+4257)) \\ &= B_{\bar{N}}(2N+4260-(122N+34184)) + B_{\bar{N}}(2N+4260-(122N+75434)) + B_{\bar{N}}(2N+4260-7) \\ &= B_{\bar{N}}(-120N-29924) + B_{\bar{N}}(-120N-71174) + B_{\bar{N}}(2N+4253) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4261) = B_{\bar{N}}(2N+4261 - B_{\bar{N}}(2N+4260)) + B_{\bar{N}}(2N+4261 - B_{\bar{N}}(2N+4259)) + B_{\bar{N}}(2N+4261 - B_{\bar{N}}(2N+4258))$$

$$= B_{\bar{N}}(2N+4261 - 4472) + B_{\bar{N}}(2N+4261 - (122N+34184)) + B_{\bar{N}}(2N+4261 - (122N+75434))$$

$$= B_{\bar{N}}(2N-211) + B_{\bar{N}}(-120N-29923) + B_{\bar{N}}(-120N-71173) = \left(\frac{16N}{7} - \frac{115}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{115}{7}$$

$$(N \ge 278)$$

$$B_{\bar{N}}(2N+4262) = B_{\bar{N}}(2N+4262 - B_{\bar{N}}(2N+4261)) + B_{\bar{N}}(2N+4262 - B_{\bar{N}}(2N+4260)) + B_{\bar{N}}(2N+4262 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4263) = B_{\bar{N}}(2N+4263 - B_{\bar{N}}(2N+4262)) + B_{\bar{N}}(2N+4263 - B_{\bar{N}}(2N+4261)) + B_{\bar{N}}(2N+4263 - B_{\bar{N}}(2N+4263))$$

$$= B_{\bar{N}}\left(2N+4263 - \left(\frac{15N}{7} - \frac{264}{7}\right)\right) + B_{\bar{N}}\left(2N+4263 - \left(\frac{16N}{7} - \frac{115}{7}\right)\right) + B_{\bar{N}}(2N+4263 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30105}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29956}{7}\right) + B_{\bar{N}}(2N-209) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30105) *$$

$$B_{\bar{N}}(2N+4264) = B_{\bar{N}}(2N+4264 - B_{\bar{N}}(2N+4263)) + B_{\bar{N}}(2N+4264 - B_{\bar{N}}(2N+4262)) + B_{\bar{N}}(2N+4264 - B_{\bar{N}}(2N+4261))$$

$$= B_{\bar{N}}(2N+4264 - (N-2)) + B_{\bar{N}}\left(2N+4264 - \left(\frac{15N}{7} - \frac{264}{7}\right)\right) + B_{\bar{N}}\left(2N+4264 - \left(\frac{16N}{7} - \frac{115}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4266) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30112}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29963}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30112) *$$

$$B_{\bar{N}}(2N+4265) = B_{\bar{N}}(2N+4265 - B_{\bar{N}}(2N+4264)) + B_{\bar{N}}(2N+4265 - B_{\bar{N}}(2N+4263)) + B_{\bar{N}}(2N+4265 - B_{\bar{N}}(2N+4265))$$

$$= B_{\bar{N}}(2N+4265-7) + B_{\bar{N}}(2N+4265-(N-2)) + B_{\bar{N}}\left(2N+4265 - \left(\frac{15N}{7} - \frac{264}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4258) + B_{\bar{N}}(N+4267) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30119}{7}\right) = (122N+75434) + (2N+1263) + 0 = 124N+76697$$

$$(N \ge 30119) *$$

$$B_{\bar{N}}(2N+4266) = B_{\bar{N}}(2N+4266-B_{\bar{N}}(2N+4265)) + B_{\bar{N}}(2N+4266-B_{\bar{N}}(2N+4264)) + B_{\bar{N}}(2N+4266-B_{\bar{N}}(2N+4263))$$

$$= B_{\bar{N}}(2N+4266-(124N+76697)) + B_{\bar{N}}(2N+4266-7) + B_{\bar{N}}(2N+4266-(N-2))$$

$$= B_{\bar{N}}(-122N-72431) + B_{\bar{N}}(2N+4259) + B_{\bar{N}}(N+4268) = 0 + (122N+34184) + (2N+602) = 124N + 34786$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4267) = B_{\bar{N}}(2N+4267 - B_{\bar{N}}(2N+4266)) + B_{\bar{N}}(2N+4267 - B_{\bar{N}}(2N+4265)) + B_{\bar{N}}(2N+4267 - B_{\bar{N}}(2N+4264))$$

$$= B_{\bar{N}}(2N+4267 - (124N+34786)) + B_{\bar{N}}(2N+4267 - (124N+76697)) + B_{\bar{N}}(2N+4267 - 7)$$

$$= B_{\bar{N}}(-122N-30519) + B_{\bar{N}}(-122N-72430) + B_{\bar{N}}(2N+4260) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4268) = B_{\bar{N}}(2N+4268-B_{\bar{N}}(2N+4267)) + B_{\bar{N}}(2N+4268-B_{\bar{N}}(2N+4266)) + B_{\bar{N}}(2N+4268-B_{\bar{N}}(2N+4265))$$

$$= B_{\bar{N}}(2N+4268-4472) + B_{\bar{N}}(2N+4268-(124N+34786)) + B_{\bar{N}}(2N+4268-(124N+76697))$$

$$= B_{\bar{N}}(2N-204) + B_{\bar{N}}(-122N-30518) + B_{\bar{N}}(-122N-72429) = \left(\frac{16N}{7} - \frac{101}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{101}{7}$$

$$(N \ge 271)$$

$$B_{\bar{N}}(2N+4269) = B_{\bar{N}}(2N+4269 - B_{\bar{N}}(2N+4268)) + B_{\bar{N}}(2N+4269 - B_{\bar{N}}(2N+4267)) + B_{\bar{N}}(2N+4269 - B_{\bar{N}}(2N+4269))$$

$$= B_{\bar{N}}\left(2N+4269 - \left(\frac{16N}{7} - \frac{101}{7}\right)\right) + B_{\bar{N}}(2N+4269 - 4472) + B_{\bar{N}}(2N+4269 - (124N+34786))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29984}{7}\right) + B_{\bar{N}}(2N-203) + B_{\bar{N}}(-122N-30517) = 0 + \left(\frac{15N}{7} - \frac{257}{7}\right) + 0 = \frac{15N}{7} - \frac{257}{7}$$

$$(N \ge 14992)$$

$$B_{\bar{N}}(2N+4270) = B_{\bar{N}}(2N+4270 - B_{\bar{N}}(2N+4269)) + B_{\bar{N}}(2N+4270 - B_{\bar{N}}(2N+4268)) + B_{\bar{N}}(2N+4270 - B_{\bar{N}}(2N+4267))$$

$$= B_{\bar{N}}\left(2N+4270 - \left(\frac{15N}{7} - \frac{257}{7}\right)\right) + B_{\bar{N}}\left(2N+4270 - \left(\frac{16N}{7} - \frac{101}{7}\right)\right) + B_{\bar{N}}(2N+4270 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30147}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29991}{7}\right) + B_{\bar{N}}(2N-202) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30147) *$$

$$B_{\bar{N}}(2N+4271) = B_{\bar{N}}(2N+4271 - B_{\bar{N}}(2N+4270)) + B_{\bar{N}}(2N+4271 - B_{\bar{N}}(2N+4269)) + B_{\bar{N}}(2N+4271 - B_{\bar{N}}(2N+4268))$$

$$= B_{\bar{N}}(2N+4271 - (N-2)) + B_{\bar{N}}\left(2N+4271 - \left(\frac{15N}{7} - \frac{257}{7}\right)\right) + B_{\bar{N}}\left(2N+4271 - \left(\frac{16N}{7} - \frac{101}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4273) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30154}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{29998}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30154) *$$

$$B_{\bar{N}}(2N+4272) = B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4271)) + B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4270)) + B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2N+4272-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4273) = B_{\bar{N}}(2N+4273-B_{\bar{N}}(2N+4272)) + B_{\bar{N}}(2N+4273-B_{\bar{N}}(2N+4271)) + B_{\bar{N}}(2N+4273-B_{\bar{N}}(2N+4270))$$

$$= B_{\bar{N}}(2N+4273-(126N+77962)) + B_{\bar{N}}(2N+4273-7) + B_{\bar{N}}(2N+4273-(N-2))$$

$$= B_{\bar{N}}(-124N-73689) + B_{\bar{N}}(2N+4266) + B_{\bar{N}}(N+4275) = 0 + (124N+34786) + (2N+603) = 126N+35389$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4274) = B_{\bar{N}}(2N+4274-B_{\bar{N}}(2N+4273)) + B_{\bar{N}}(2N+4274-B_{\bar{N}}(2N+4272)) + B_{\bar{N}}(2N+4274-B_{\bar{N}}(2N+4271))$$

$$= B_{\bar{N}}(2N+4274-(126N+35389)) + B_{\bar{N}}(2N+4274-(126N+77962)) + B_{\bar{N}}(2N+4274-7)$$

$$= B_{\bar{N}}(-124N-31115) + B_{\bar{N}}(-124N-73688) + B_{\bar{N}}(2N+4267) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4275) = B_{\bar{N}}(2N+4275 - B_{\bar{N}}(2N+4274)) + B_{\bar{N}}(2N+4275 - B_{\bar{N}}(2N+4273)) + B_{\bar{N}}(2N+4275 - B_{\bar{N}}(2N+4272))$$

$$= B_{\bar{N}}(2N+4275 - 4472) + B_{\bar{N}}(2N+4275 - (126N+35389)) + B_{\bar{N}}(2N+4275 - (126N+77962))$$

$$= B_{\bar{N}}(2N-197) + B_{\bar{N}}(-124N-31114) + B_{\bar{N}}(-124N-73687) = \left(\frac{16N}{7} - \frac{87}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{87}{7}$$

$$(N \ge 264)$$

$$B_{\bar{N}}(2N+4276) = B_{\bar{N}}(2N+4276 - B_{\bar{N}}(2N+4275)) + B_{\bar{N}}(2N+4276 - B_{\bar{N}}(2N+4274)) + B_{\bar{N}}(2N+4276 - B_{\bar{N}}(2N+4273))$$

$$= B_{\bar{N}}\left(2N+4276 - \left(\frac{16N}{7} - \frac{87}{7}\right)\right) + B_{\bar{N}}(2N+4276 - 4472) + B_{\bar{N}}(2N+4276 - (126N+35389))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30019}{7}\right) + B_{\bar{N}}(2N-196) + B_{\bar{N}}(-124N-31113) = 0 + \left(\frac{15N}{7} - \frac{250}{7}\right) + 0 = \frac{15N}{7} - \frac{250}{7}$$

$$(N \ge 15010)$$

$$B_{\bar{N}}(2N+4277) = B_{\bar{N}}(2N+4277 - B_{\bar{N}}(2N+4276)) + B_{\bar{N}}(2N+4277 - B_{\bar{N}}(2N+4275)) + B_{\bar{N}}(2N+4277 - B_{\bar{N}}(2N+4274))$$

$$= B_{\bar{N}}\left(2N+4277 - \left(\frac{15N}{7} - \frac{250}{7}\right)\right) + B_{\bar{N}}\left(2N+4277 - \left(\frac{16N}{7} - \frac{87}{7}\right)\right) + B_{\bar{N}}(2N+4277 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30189}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30026}{7}\right) + B_{\bar{N}}(2N-195) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30189) *$$

$$B_{\bar{N}}(2N+4278) = B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4277)) + B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4276)) + B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2N+4278-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4279) = B_{\bar{N}}(2N+4279 - B_{\bar{N}}(2N+4278)) + B_{\bar{N}}(2N+4279 - B_{\bar{N}}(2N+4277)) + B_{\bar{N}}(2N+4279 - B_{\bar{N}}(2N+4279))$$

$$= B_{\bar{N}}(2N+4279-7) + B_{\bar{N}}(2N+4279-(N-2)) + B_{\bar{N}}\left(2N+4279 - \left(\frac{15N}{7} - \frac{250}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4272) + B_{\bar{N}}(N+4281) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30203}{7}\right) = (126N+77962) + (2N+1267) + 0 = 128N+79229$$

$$(N \ge 30203) *$$

$$\begin{split} B_{\bar{N}}(2N+4280) &= B_{\bar{N}}(2N+4280 - B_{\bar{N}}(2N+4279)) + B_{\bar{N}}(2N+4280 - B_{\bar{N}}(2N+4278)) + B_{\bar{N}}(2N+4280 - B_{\bar{N}}(2N+4277)) \\ &= B_{\bar{N}}(2N+4280 - (128N+79229)) + B_{\bar{N}}(2N+4280 - 7) + B_{\bar{N}}(2N+4280 - (N-2)) \\ &= B_{\bar{N}}(-126N-74949) + B_{\bar{N}}(2N+4273) + B_{\bar{N}}(N+4282) = 0 + (126N+35389) + (2N+604) = 128N+35993 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4281) = B_{\bar{N}}(2N+4281 - B_{\bar{N}}(2N+4280)) + B_{\bar{N}}(2N+4281 - B_{\bar{N}}(2N+4279)) + B_{\bar{N}}(2N+4281 - B_{\bar{N}}(2N+4278))$$

$$= B_{\bar{N}}(2N+4281 - (128N+35993)) + B_{\bar{N}}(2N+4281 - (128N+79229)) + B_{\bar{N}}(2N+4281-7)$$

$$= B_{\bar{N}}(-126N-31712) + B_{\bar{N}}(-126N-74948) + B_{\bar{N}}(2N+4274) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4282) = B_{\bar{N}}(2N+4282 - B_{\bar{N}}(2N+4281)) + B_{\bar{N}}(2N+4282 - B_{\bar{N}}(2N+4280)) + B_{\bar{N}}(2N+4282 - B_{\bar{N}}(2N+4279))$$

$$= B_{\bar{N}}(2N+4282 - 4472) + B_{\bar{N}}(2N+4282 - (128N+35993)) + B_{\bar{N}}(2N+4282 - (128N+79229))$$

$$= B_{\bar{N}}(2N-190) + B_{\bar{N}}(-126N-31711) + B_{\bar{N}}(-126N-74947) = \left(\frac{16N}{7} - \frac{73}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{73}{7}$$

$$(N \ge 257)$$

$$B_{\bar{N}}(2N+4283) = B_{\bar{N}}(2N+4283 - B_{\bar{N}}(2N+4282)) + B_{\bar{N}}(2N+4283 - B_{\bar{N}}(2N+4281)) + B_{\bar{N}}(2N+4283 - B_{\bar{N}}(2N+4283))$$

$$= B_{\bar{N}}\left(2N+4283 - \left(\frac{16N}{7} - \frac{73}{7}\right)\right) + B_{\bar{N}}(2N+4283 - 4472) + B_{\bar{N}}(2N+4283 - (128N+35993))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30054}{7}\right) + B_{\bar{N}}(2N-189) + B_{\bar{N}}(-126N-31710) = 0 + \left(\frac{15N}{7} - \frac{243}{7}\right) + 0 = \frac{15N}{7} - \frac{243}{7}$$

$$(N \ge 15027)$$

$$B_{\bar{N}}(2N+4284) = B_{\bar{N}}(2N+4284-B_{\bar{N}}(2N+4283)) + B_{\bar{N}}(2N+4284-B_{\bar{N}}(2N+4282)) + B_{\bar{N}}(2N+4284-B_{\bar{N}}(2N+4281))$$

$$= B_{\bar{N}}\left(2N+4284-\left(\frac{15N}{7}-\frac{243}{7}\right)\right) + B_{\bar{N}}\left(2N+4284-\left(\frac{16N}{7}-\frac{73}{7}\right)\right) + B_{\bar{N}}(2N+4284-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30231}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30061}{7}\right) + B_{\bar{N}}(2N-188) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30231) *$$

$$B_{\bar{N}}(2N+4285) = B_{\bar{N}}(2N+4285 - B_{\bar{N}}(2N+4284)) + B_{\bar{N}}(2N+4285 - B_{\bar{N}}(2N+4283)) + B_{\bar{N}}(2N+4285 - B_{\bar{N}}(2N+4285))$$

$$= B_{\bar{N}}(2N+4285 - (N-2)) + B_{\bar{N}}\left(2N+4285 - \left(\frac{15N}{7} - \frac{243}{7}\right)\right) + B_{\bar{N}}\left(2N+4285 - \left(\frac{16N}{7} - \frac{73}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4287) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30238}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30068}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30238) *$$

$$B_{\bar{N}}(2N+4286) = B_{\bar{N}}(2N+4286-B_{\bar{N}}(2N+4285)) + B_{\bar{N}}(2N+4286-B_{\bar{N}}(2N+4284)) + B_{\bar{N}}(2N+4286-B_{\bar{N}}(2N+4286))$$

$$= B_{\bar{N}}(2N+4286-7) + B_{\bar{N}}(2N+4286-(N-2)) + B_{\bar{N}}\left(2N+4286-\left(\frac{15N}{7}-\frac{243}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4279) + B_{\bar{N}}(N+4288) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{30245}{7}\right) = (128N+79229) + (2N+1269) + 0 = 130N+80498$$

$$(N \ge 30245) *$$

$$B_{\bar{N}}(2N+4287) = B_{\bar{N}}(2N+4287-B_{\bar{N}}(2N+4286)) + B_{\bar{N}}(2N+4287-B_{\bar{N}}(2N+4285)) + B_{\bar{N}}(2N+4287-B_{\bar{N}}(2N+4284))$$

$$= B_{\bar{N}}(2N+4287-(130N+80498)) + B_{\bar{N}}(2N+4287-7) + B_{\bar{N}}(2N+4287-(N-2))$$

$$= B_{\bar{N}}(-128N-76211) + B_{\bar{N}}(2N+4280) + B_{\bar{N}}(N+4289) = 0 + (128N+35993) + (2N+605) = 130N + 36598$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4288) &= B_{\bar{N}}(2N+4288-B_{\bar{N}}(2N+4287)) + B_{\bar{N}}(2N+4288-B_{\bar{N}}(2N+4286)) + B_{\bar{N}}(2N+4288-B_{\bar{N}}(2N+4285)) \\ &= B_{\bar{N}}(2N+4288-(130N+36598)) + B_{\bar{N}}(2N+4288-(130N+80498)) + B_{\bar{N}}(2N+4288-7) \\ &= B_{\bar{N}}(-128N-32310) + B_{\bar{N}}(-128N-76210) + B_{\bar{N}}(2N+4281) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4289) = B_{\bar{N}}(2N+4289 - B_{\bar{N}}(2N+4288)) + B_{\bar{N}}(2N+4289 - B_{\bar{N}}(2N+4287)) + B_{\bar{N}}(2N+4289 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4290) = B_{\bar{N}}(2N+4290 - B_{\bar{N}}(2N+4289)) + B_{\bar{N}}(2N+4290 - B_{\bar{N}}(2N+4288)) + B_{\bar{N}}(2N+4290 - B_{\bar{N}}(2N+4287))$$

$$= B_{\bar{N}}\left(2N+4290 - \left(\frac{16N}{7} - \frac{59}{7}\right)\right) + B_{\bar{N}}(2N+4290 - 4472) + B_{\bar{N}}(2N+4290 - (130N+36598))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30089}{7}\right) + B_{\bar{N}}(2N-182) + B_{\bar{N}}(-128N-32308) = 0 + \left(\frac{15N}{7} - \frac{236}{7}\right) + 0 = \frac{15N}{7} - \frac{236}{7}$$

$$(N \ge 15045)$$

$$B_{\bar{N}}(2N+4291) = B_{\bar{N}}(2N+4291 - B_{\bar{N}}(2N+4290)) + B_{\bar{N}}(2N+4291 - B_{\bar{N}}(2N+4291)) + B_{\bar{N}}(2N+4291 - B_{\bar{N}}(2N+4291 - B_{\bar{N}}(2N+4291)) + B_{\bar{N}}(2N+4291) + B_{\bar{$$

$$B_{\bar{N}}(2N+4292) = B_{\bar{N}}(2N+4292 - B_{\bar{N}}(2N+4291)) + B_{\bar{N}}(2N+4292 - B_{\bar{N}}(2N+4290)) + B_{\bar{N}}(2N+4292 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4293) = B_{\bar{N}}(2N+4293 - B_{\bar{N}}(2N+4292)) + B_{\bar{N}}(2N+4293 - B_{\bar{N}}(2N+4291)) + B_{\bar{N}}(2N+4293 - B_{\bar{N}}(2N+4293))$$

$$= B_{\bar{N}}(2N+4293-7) + B_{\bar{N}}(2N+4293-(N-2)) + B_{\bar{N}}\left(2N+4293 - \left(\frac{15N}{7} - \frac{236}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4286) + B_{\bar{N}}(N+4295) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30287}{7}\right) = (130N+80498) + (2N+1271) + 0 = 132N + 81769$$

$$(N \ge 30287) *$$

$$B_{\bar{N}}(2N+4294) = B_{\bar{N}}(2N+4294-B_{\bar{N}}(2N+4293)) + B_{\bar{N}}(2N+4294-B_{\bar{N}}(2N+4292)) + B_{\bar{N}}(2N+4294-B_{\bar{N}}(2N+4294))$$

$$= B_{\bar{N}}(2N+4294-(132N+81769)) + B_{\bar{N}}(2N+4294-7) + B_{\bar{N}}(2N+4294-(N-2))$$

$$= B_{\bar{N}}(-130N-77475) + B_{\bar{N}}(2N+4287) + B_{\bar{N}}(N+4296) = 0 + (130N+36598) + (2N+606) = 132N + 37204$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4295) = B_{\bar{N}}(2N+4295-B_{\bar{N}}(2N+4294)) + B_{\bar{N}}(2N+4295-B_{\bar{N}}(2N+4293)) + B_{\bar{N}}(2N+4295-B_{\bar{N}}(2N+4292))$$

$$= B_{\bar{N}}(2N+4295-(132N+37204)) + B_{\bar{N}}(2N+4295-(132N+81769)) + B_{\bar{N}}(2N+4295-7)$$

$$= B_{\bar{N}}(-130N-32909) + B_{\bar{N}}(-130N-77474) + B_{\bar{N}}(2N+4288) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4296) = B_{\bar{N}}(2N+4296 - B_{\bar{N}}(2N+4295)) + B_{\bar{N}}(2N+4296 - B_{\bar{N}}(2N+4294)) + B_{\bar{N}}(2N+4296 - B_{\bar{N}}(2N+4293))$$

$$= B_{\bar{N}}(2N+4296 - 4472) + B_{\bar{N}}(2N+4296 - (132N+37204)) + B_{\bar{N}}(2N+4296 - (132N+81769))$$

$$= B_{\bar{N}}(2N-176) + B_{\bar{N}}(-130N-32908) + B_{\bar{N}}(-130N-77473) = \left(\frac{16N}{7} - \frac{45}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{45}{7}$$

$$(N \ge 243)$$

$$B_{\bar{N}}(2N+4297) = B_{\bar{N}}(2N+4297 - B_{\bar{N}}(2N+4296)) + B_{\bar{N}}(2N+4297 - B_{\bar{N}}(2N+4295)) + B_{\bar{N}}(2N+4297 - B_{\bar{N}}(2N+4294))$$

$$= B_{\bar{N}}\left(2N+4297 - \left(\frac{16N}{7} - \frac{45}{7}\right)\right) + B_{\bar{N}}(2N+4297 - 4472) + B_{\bar{N}}(2N+4297 - (132N+37204))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30124}{7}\right) + B_{\bar{N}}(2N-175) + B_{\bar{N}}(-130N-32907) = 0 + \left(\frac{15N}{7} - \frac{229}{7}\right) + 0 = \frac{15N}{7} - \frac{229}{7}$$

$$(N \ge 15062)$$

$$B_{\bar{N}}(2N+4298) = B_{\bar{N}}(2N+4298-B_{\bar{N}}(2N+4297)) + B_{\bar{N}}(2N+4298-B_{\bar{N}}(2N+4296)) + B_{\bar{N}}(2N+4298-B_{\bar{N}}(2N+4298))$$

$$= B_{\bar{N}}\left(2N+4298-\left(\frac{15N}{7}-\frac{229}{7}\right)\right) + B_{\bar{N}}\left(2N+4298-\left(\frac{16N}{7}-\frac{45}{7}\right)\right) + B_{\bar{N}}(2N+4298-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30315}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30131}{7}\right) + B_{\bar{N}}(2N-174) = 0 + 0 + (N-2) = N-2$$

$$(N > 30315) *$$

$$B_{\bar{N}}(2N+4299) = B_{\bar{N}}(2N+4299 - B_{\bar{N}}(2N+4298)) + B_{\bar{N}}(2N+4299 - B_{\bar{N}}(2N+4297)) + B_{\bar{N}}(2N+4299 - B_{\bar{N}}(2N+4296))$$

$$= B_{\bar{N}}(2N+4299 - (N-2)) + B_{\bar{N}}\left(2N+4299 - \left(\frac{15N}{7} - \frac{229}{7}\right)\right) + B_{\bar{N}}\left(2N+4299 - \left(\frac{16N}{7} - \frac{45}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4301) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30322}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30138}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30322) *$$

$$B_{\bar{N}}(2N+4300) = B_{\bar{N}}(2N+4300 - B_{\bar{N}}(2N+4299)) + B_{\bar{N}}(2N+4300 - B_{\bar{N}}(2N+4298)) + B_{\bar{N}}(2N+4300 - B_{\bar{N}}(2N+4297))$$

$$= B_{\bar{N}}(2N+4300-7) + B_{\bar{N}}(2N+4300 - (N-2)) + B_{\bar{N}}\left(2N+4300 - \left(\frac{15N}{7} - \frac{229}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4293) + B_{\bar{N}}(N+4302) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30329}{7}\right) = (132N+81769) + (2N+1273) + 0 = 134N + 83042$$

$$(N \ge 30329) *$$

$$B_{\bar{N}}(2N+4301) = B_{\bar{N}}(2N+4301-B_{\bar{N}}(2N+4300)) + B_{\bar{N}}(2N+4301-B_{\bar{N}}(2N+4299)) + B_{\bar{N}}(2N+4301-B_{\bar{N}}(2N+4298))$$

$$= B_{\bar{N}}(2N+4301-(134N+83042)) + B_{\bar{N}}(2N+4301-7) + B_{\bar{N}}(2N+4301-(N-2))$$

$$= B_{\bar{N}}(-132N-78741) + B_{\bar{N}}(2N+4294) + B_{\bar{N}}(N+4303) = 0 + (132N+37204) + (2N+607) = 134N + 37811$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4302) = B_{\bar{N}}(2N+4302-B_{\bar{N}}(2N+4301)) + B_{\bar{N}}(2N+4302-B_{\bar{N}}(2N+4300)) + B_{\bar{N}}(2N+4302-B_{\bar{N}}(2N+4299))$$

$$= B_{\bar{N}}(2N+4302-(134N+37811)) + B_{\bar{N}}(2N+4302-(134N+83042)) + B_{\bar{N}}(2N+4302-7)$$

$$= B_{\bar{N}}(-132N-33509) + B_{\bar{N}}(-132N-78740) + B_{\bar{N}}(2N+4295) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4303) = B_{\bar{N}}(2N+4303 - B_{\bar{N}}(2N+4302)) + B_{\bar{N}}(2N+4303 - B_{\bar{N}}(2N+4301)) + B_{\bar{N}}(2N+4303 - B_{\bar{N}}(2N+4300))$$

$$= B_{\bar{N}}(2N+4303 - 4472) + B_{\bar{N}}(2N+4303 - (134N+37811)) + B_{\bar{N}}(2N+4303 - (134N+83042))$$

$$= B_{\bar{N}}(2N-169) + B_{\bar{N}}(-132N-33508) + B_{\bar{N}}(-132N-78739) = \left(\frac{16N}{7} - \frac{31}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{31}{7}$$

$$(N \ge 236)$$

$$B_{\bar{N}}(2N+4304) = B_{\bar{N}}(2N+4304-B_{\bar{N}}(2N+4303)) + B_{\bar{N}}(2N+4304-B_{\bar{N}}(2N+4302)) + B_{\bar{N}}(2N+4304-B_{\bar{N}}(2N+4301))$$

$$= B_{\bar{N}}\left(2N+4304-\left(\frac{16N}{7}-\frac{31}{7}\right)\right) + B_{\bar{N}}(2N+4304-4472) + B_{\bar{N}}(2N+4304-(134N+37811))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30159}{7}\right) + B_{\bar{N}}(2N-168) + B_{\bar{N}}(-132N-33507) = 0 + \left(\frac{15N}{7}-\frac{222}{7}\right) + 0 = \frac{15N}{7}-\frac{222}{7}$$

$$(N > 15080)$$

$$B_{\bar{N}}(2N+4305) = B_{\bar{N}}(2N+4305 - B_{\bar{N}}(2N+4304)) + B_{\bar{N}}(2N+4305 - B_{\bar{N}}(2N+4303)) + B_{\bar{N}}(2N+4305 - B_{\bar{N}}(2N+4305))$$

$$= B_{\bar{N}}\left(2N+4305 - \left(\frac{15N}{7} - \frac{222}{7}\right)\right) + B_{\bar{N}}\left(2N+4305 - \left(\frac{16N}{7} - \frac{31}{7}\right)\right) + B_{\bar{N}}(2N+4305 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30357}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30166}{7}\right) + B_{\bar{N}}(2N-167) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30357) *$$

$$B_{\bar{N}}(2N+4306) = B_{\bar{N}}(2N+4306 - B_{\bar{N}}(2N+4305)) + B_{\bar{N}}(2N+4306 - B_{\bar{N}}(2N+4304)) + B_{\bar{N}}(2N+4306 - B_{\bar{N}}(2N+4303))$$

$$= B_{\bar{N}}(2N+4306 - (N-2)) + B_{\bar{N}}\left(2N+4306 - \left(\frac{15N}{7} - \frac{222}{7}\right)\right) + B_{\bar{N}}\left(2N+4306 - \left(\frac{16N}{7} - \frac{31}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4308) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30364}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30173}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30364) *$$

$$B_{\bar{N}}(2N+4307) = B_{\bar{N}}(2N+4307 - B_{\bar{N}}(2N+4306)) + B_{\bar{N}}(2N+4307 - B_{\bar{N}}(2N+4305)) + B_{\bar{N}}(2N+4307 - B_{\bar{N}}(2N+4304))$$

$$= B_{\bar{N}}(2N+4307-7) + B_{\bar{N}}(2N+4307-(N-2)) + B_{\bar{N}}\left(2N+4307 - \left(\frac{15N}{7} - \frac{222}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4300) + B_{\bar{N}}(N+4309) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30371}{7}\right) = (134N+83042) + (2N+1275) + 0 = 136N+84317$$

$$(N \ge 30371) *$$

$$B_{\bar{N}}(2N+4308) = B_{\bar{N}}(2N+4308-B_{\bar{N}}(2N+4307)) + B_{\bar{N}}(2N+4308-B_{\bar{N}}(2N+4306)) + B_{\bar{N}}(2N+4308-B_{\bar{N}}(2N+4305))$$

$$= B_{\bar{N}}(2N+4308-(136N+84317)) + B_{\bar{N}}(2N+4308-7) + B_{\bar{N}}(2N+4308-(N-2))$$

$$= B_{\bar{N}}(-134N-80009) + B_{\bar{N}}(2N+4301) + B_{\bar{N}}(N+4310) = 0 + (134N+37811) + (2N+608) = 136N + 38419$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4309) &= B_{\bar{N}}(2N+4309 - B_{\bar{N}}(2N+4308)) + B_{\bar{N}}(2N+4309 - B_{\bar{N}}(2N+4307)) + B_{\bar{N}}(2N+4309 - B_{\bar{N}}(2N+4306)) \\ &= B_{\bar{N}}(2N+4309 - (136N+38419)) + B_{\bar{N}}(2N+4309 - (136N+84317)) + B_{\bar{N}}(2N+4309 - 7) \\ &= B_{\bar{N}}(-134N-34110) + B_{\bar{N}}(-134N-80008) + B_{\bar{N}}(2N+4302) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4310) = B_{\bar{N}}(2N+4310 - B_{\bar{N}}(2N+4309)) + B_{\bar{N}}(2N+4310 - B_{\bar{N}}(2N+4308)) + B_{\bar{N}}(2N+4310 - B_{\bar{N}}(2N+4307))$$

$$= B_{\bar{N}}(2N+4310 - 4472) + B_{\bar{N}}(2N+4310 - (136N+38419)) + B_{\bar{N}}(2N+4310 - (136N+84317))$$

$$= B_{\bar{N}}(2N-162) + B_{\bar{N}}(-134N-34109) + B_{\bar{N}}(-134N-80007) = \left(\frac{16N}{7} - \frac{17}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{17}{7}$$

$$(N \ge 229)$$

$$B_{\bar{N}}(2N+4311) = B_{\bar{N}}(2N+4311 - B_{\bar{N}}(2N+4310)) + B_{\bar{N}}(2N+4311 - B_{\bar{N}}(2N+4309)) + B_{\bar{N}}(2N+4311 - B_{\bar{N}}(2N+4308))$$

$$= B_{\bar{N}}\left(2N+4311 - \left(\frac{16N}{7} - \frac{17}{7}\right)\right) + B_{\bar{N}}(2N+4311 - 4472) + B_{\bar{N}}(2N+4311 - (136N+38419))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30194}{7}\right) + B_{\bar{N}}(2N-161) + B_{\bar{N}}(-134N-34108) = 0 + \left(\frac{15N}{7} - \frac{215}{7}\right) + 0 = \frac{15N}{7} - \frac{215}{7}$$

$$(N \ge 15097)$$

$$B_{\bar{N}}(2N+4312) = B_{\bar{N}}(2N+4312 - B_{\bar{N}}(2N+4311)) + B_{\bar{N}}(2N+4312 - B_{\bar{N}}(2N+4310)) + B_{\bar{N}}(2N+4312 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4313) = B_{\bar{N}}(2N+4313 - B_{\bar{N}}(2N+4312)) + B_{\bar{N}}(2N+4313 - B_{\bar{N}}(2N+4311)) + B_{\bar{N}}(2N+4313 - B_{\bar{N}}(2N+4310))$$

$$= B_{\bar{N}}(2N+4313 - (N-2)) + B_{\bar{N}}\left(2N+4313 - \left(\frac{15N}{7} - \frac{215}{7}\right)\right) + B_{\bar{N}}\left(2N+4313 - \left(\frac{16N}{7} - \frac{17}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4315) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30406}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30208}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30406) *$$

$$B_{\bar{N}}(2N+4314) = B_{\bar{N}}(2N+4314-B_{\bar{N}}(2N+4313)) + B_{\bar{N}}(2N+4314-B_{\bar{N}}(2N+4312)) + B_{\bar{N}}(2N+4314-B_{\bar{N}}(2N+4314))$$

$$= B_{\bar{N}}(2N+4314-7) + B_{\bar{N}}(2N+4314-(N-2)) + B_{\bar{N}}\left(2N+4314-\left(\frac{15N}{7}-\frac{215}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4307) + B_{\bar{N}}(N+4316) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{30413}{7}\right) = (136N+84317) + (2N+1277) + 0 = 138N+85594$$

$$(N > 30413) *$$

$$B_{\bar{N}}(2N+4315) = B_{\bar{N}}(2N+4315-B_{\bar{N}}(2N+4314)) + B_{\bar{N}}(2N+4315-B_{\bar{N}}(2N+4313)) + B_{\bar{N}}(2N+4315-B_{\bar{N}}(2N+4312))$$

$$= B_{\bar{N}}(2N+4315-(138N+85594)) + B_{\bar{N}}(2N+4315-7) + B_{\bar{N}}(2N+4315-(N-2))$$

$$= B_{\bar{N}}(-136N-81279) + B_{\bar{N}}(2N+4308) + B_{\bar{N}}(N+4317) = 0 + (136N+38419) + (2N+609) = 138N + 39028$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4316) = B_{\bar{N}}(2N+4316-B_{\bar{N}}(2N+4315)) + B_{\bar{N}}(2N+4316-B_{\bar{N}}(2N+4314)) + B_{\bar{N}}(2N+4316-B_{\bar{N}}(2N+4313))$$

$$= B_{\bar{N}}(2N+4316-(138N+39028)) + B_{\bar{N}}(2N+4316-(138N+85594)) + B_{\bar{N}}(2N+4316-7)$$

$$= B_{\bar{N}}(-136N-34712) + B_{\bar{N}}(-136N-81278) + B_{\bar{N}}(2N+4309) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4317) = B_{\bar{N}}(2N+4317 - B_{\bar{N}}(2N+4316)) + B_{\bar{N}}(2N+4317 - B_{\bar{N}}(2N+4315)) + B_{\bar{N}}(2N+4317 - B_{\bar{N}}(2N+4314))$$

$$= B_{\bar{N}}(2N+4317 - 4472) + B_{\bar{N}}(2N+4317 - (138N+39028)) + B_{\bar{N}}(2N+4317 - (138N+85594))$$

$$= B_{\bar{N}}(2N-155) + B_{\bar{N}}(-136N-34711) + B_{\bar{N}}(-136N-81277) = \left(\frac{16N}{7} - \frac{3}{7}\right) + 0 + 0 = \frac{16N}{7} - \frac{3}{7}$$

$$(N \ge 222)$$

$$B_{\bar{N}}(2N+4318) = B_{\bar{N}}(2N+4318-B_{\bar{N}}(2N+4317)) + B_{\bar{N}}(2N+4318-B_{\bar{N}}(2N+4316)) + B_{\bar{N}}(2N+4318-B_{\bar{N}}(2N+4315))$$

$$= B_{\bar{N}}\left(2N+4318-\left(\frac{16N}{7}-\frac{3}{7}\right)\right) + B_{\bar{N}}(2N+4318-4472) + B_{\bar{N}}(2N+4318-(138N+39028))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30229}{7}\right) + B_{\bar{N}}(2N-154) + B_{\bar{N}}(-136N-34710) = 0 + \left(\frac{15N}{7}-\frac{208}{7}\right) + 0 = \frac{15N}{7}-\frac{208}{7}$$

$$(N \ge 15115)$$

$$B_{\bar{N}}(2N+4319) = B_{\bar{N}}(2N+4319 - B_{\bar{N}}(2N+4318)) + B_{\bar{N}}(2N+4319 - B_{\bar{N}}(2N+4317)) + B_{\bar{N}}(2N+4319 - B_{\bar{N}}(2N+4316))$$

$$= B_{\bar{N}}\left(2N+4319 - \left(\frac{15N}{7} - \frac{208}{7}\right)\right) + B_{\bar{N}}\left(2N+4319 - \left(\frac{16N}{7} - \frac{3}{7}\right)\right) + B_{\bar{N}}(2N+4319 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30441}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30236}{7}\right) + B_{\bar{N}}(2N-153) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30441) *$$

$$B_{\bar{N}}(2N+4320) = B_{\bar{N}}(2N+4320 - B_{\bar{N}}(2N+4319)) + B_{\bar{N}}(2N+4320 - B_{\bar{N}}(2N+4318)) + B_{\bar{N}}(2N+4320 - B_{\bar{N}}(2N+4317))$$

$$= B_{\bar{N}}(2N+4320 - (N-2)) + B_{\bar{N}}\left(2N+4320 - \left(\frac{15N}{7} - \frac{208}{7}\right)\right) + B_{\bar{N}}\left(2N+4320 - \left(\frac{16N}{7} - \frac{3}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4322) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30448}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30243}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30448) *$$

$$B_{\bar{N}}(2N+4321) = B_{\bar{N}}(2N+4321 - B_{\bar{N}}(2N+4320)) + B_{\bar{N}}(2N+4321 - B_{\bar{N}}(2N+4319)) + B_{\bar{N}}(2N+4321 - B_{\bar{N}}(2N+4318))$$

$$= B_{\bar{N}}(2N+4321-7) + B_{\bar{N}}(2N+4321-(N-2)) + B_{\bar{N}}\left(2N+4321 - \left(\frac{15N}{7} - \frac{208}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4314) + B_{\bar{N}}(N+4323) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30455}{7}\right) = (138N+85594) + (2N+1279) + 0 = 140N + 86873$$

$$(N \ge 30455) *$$

$$B_{\bar{N}}(2N+4322) = B_{\bar{N}}(2N+4322-B_{\bar{N}}(2N+4321)) + B_{\bar{N}}(2N+4322-B_{\bar{N}}(2N+4320)) + B_{\bar{N}}(2N+4322-B_{\bar{N}}(2N+4319))$$

$$= B_{\bar{N}}(2N+4322-(140N+86873)) + B_{\bar{N}}(2N+4322-7) + B_{\bar{N}}(2N+4322-(N-2))$$

$$= B_{\bar{N}}(-138N-82551) + B_{\bar{N}}(2N+4315) + B_{\bar{N}}(N+4324) = 0 + (138N+39028) + (2N+610) = 140N + 39638$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4323) = B_{\bar{N}}(2N+4323-B_{\bar{N}}(2N+4322)) + B_{\bar{N}}(2N+4323-B_{\bar{N}}(2N+4321)) + B_{\bar{N}}(2N+4323-B_{\bar{N}}(2N+4320))$$

$$= B_{\bar{N}}(2N+4323-(140N+39638)) + B_{\bar{N}}(2N+4323-(140N+86873)) + B_{\bar{N}}(2N+4323-7)$$

$$= B_{\bar{N}}(-138N-35315) + B_{\bar{N}}(-138N-82550) + B_{\bar{N}}(2N+4316) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4324) = B_{\bar{N}}(2N+4324-B_{\bar{N}}(2N+4323)) + B_{\bar{N}}(2N+4324-B_{\bar{N}}(2N+4322)) + B_{\bar{N}}(2N+4324-B_{\bar{N}}(2N+4321))$$

$$= B_{\bar{N}}(2N+4324-4472) + B_{\bar{N}}(2N+4324-(140N+39638)) + B_{\bar{N}}(2N+4324-(140N+86873))$$

$$= B_{\bar{N}}(2N-148) + B_{\bar{N}}(-138N-35314) + B_{\bar{N}}(-138N-82549) = \left(\frac{16N}{7} + \frac{11}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{11}{7}$$

$$(N > 215)$$

$$B_{\bar{N}}(2N+4325) = B_{\bar{N}}(2N+4325 - B_{\bar{N}}(2N+4324)) + B_{\bar{N}}(2N+4325 - B_{\bar{N}}(2N+4323)) + B_{\bar{N}}(2N+4325 - B_{\bar{N}}(2N+4325))$$

$$= B_{\bar{N}}\left(2N+4325 - \left(\frac{16N}{7} + \frac{11}{7}\right)\right) + B_{\bar{N}}(2N+4325 - 4472) + B_{\bar{N}}(2N+4325 - (140N+39638))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30264}{7}\right) + B_{\bar{N}}(2N-147) + B_{\bar{N}}(-138N-35313) = 0 + \left(\frac{15N}{7} - \frac{201}{7}\right) + 0 = \frac{15N}{7} - \frac{201}{7}$$

$$(N > 15132)$$

$$B_{\bar{N}}(2N+4326) = B_{\bar{N}}(2N+4326-B_{\bar{N}}(2N+4325)) + B_{\bar{N}}(2N+4326-B_{\bar{N}}(2N+4324)) + B_{\bar{N}}(2N+4326-B_{\bar{N}}(2N+4323))$$

$$= B_{\bar{N}}\left(2N+4326-\left(\frac{15N}{7}-\frac{201}{7}\right)\right) + B_{\bar{N}}\left(2N+4326-\left(\frac{16N}{7}+\frac{11}{7}\right)\right) + B_{\bar{N}}(2N+4326-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30483}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30271}{7}\right) + B_{\bar{N}}(2N-146) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30483) *$$

$$B_{\bar{N}}(2N+4327) = B_{\bar{N}}(2N+4327 - B_{\bar{N}}(2N+4326)) + B_{\bar{N}}(2N+4327 - B_{\bar{N}}(2N+4325)) + B_{\bar{N}}(2N+4327 - B_{\bar{N}}(2N+4324))$$

$$= B_{\bar{N}}(2N+4327 - (N-2)) + B_{\bar{N}}\left(2N+4327 - \left(\frac{15N}{7} - \frac{201}{7}\right)\right) + B_{\bar{N}}\left(2N+4327 - \left(\frac{16N}{7} + \frac{11}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4329) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30490}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30278}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30490) *$$

$$B_{\bar{N}}(2N+4328) = B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4327)) + B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4326)) + B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2N+4328-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4329) = B_{\bar{N}}(2N+4329 - B_{\bar{N}}(2N+4328)) + B_{\bar{N}}(2N+4329 - B_{\bar{N}}(2N+4327)) + B_{\bar{N}}(2N+4329 - B_{\bar{N}}(2N+4326))$$

$$= B_{\bar{N}}(2N+4329 - (142N+88154)) + B_{\bar{N}}(2N+4329 - 7) + B_{\bar{N}}(2N+4329 - (N-2))$$

$$= B_{\bar{N}}(-140N-83825) + B_{\bar{N}}(2N+4322) + B_{\bar{N}}(N+4331) = 0 + (140N+39638) + (2N+611) = 142N + 40249$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4330) = B_{\bar{N}}(2N+4330 - B_{\bar{N}}(2N+4329)) + B_{\bar{N}}(2N+4330 - B_{\bar{N}}(2N+4328)) + B_{\bar{N}}(2N+4330 - B_{\bar{N}}(2N+4327))$$

$$= B_{\bar{N}}(2N+4330 - (142N+40249)) + B_{\bar{N}}(2N+4330 - (142N+88154)) + B_{\bar{N}}(2N+4330 - 7)$$

$$= B_{\bar{N}}(-140N - 35919) + B_{\bar{N}}(-140N - 83824) + B_{\bar{N}}(2N+4323) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4331) = B_{\bar{N}}(2N+4331 - B_{\bar{N}}(2N+4330)) + B_{\bar{N}}(2N+4331 - B_{\bar{N}}(2N+4329)) + B_{\bar{N}}(2N+4331 - B_{\bar{N}}(2N+4328))$$

$$= B_{\bar{N}}(2N+4331 - 4472) + B_{\bar{N}}(2N+4331 - (142N+40249)) + B_{\bar{N}}(2N+4331 - (142N+88154))$$

$$= B_{\bar{N}}(2N-141) + B_{\bar{N}}(-140N-35918) + B_{\bar{N}}(-140N-83823) = \left(\frac{16N}{7} + \frac{25}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{25}{7}$$

$$(N \ge 208)$$

$$B_{\bar{N}}(2N+4332) = B_{\bar{N}}(2N+4332 - B_{\bar{N}}(2N+4331)) + B_{\bar{N}}(2N+4332 - B_{\bar{N}}(2N+4330)) + B_{\bar{N}}(2N+4332 - B_{\bar{N}}(2N+4329))$$

$$= B_{\bar{N}}\left(2N+4332 - \left(\frac{16N}{7} + \frac{25}{7}\right)\right) + B_{\bar{N}}(2N+4332 - 4472) + B_{\bar{N}}(2N+4332 - (142N+40249))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30299}{7}\right) + B_{\bar{N}}(2N-140) + B_{\bar{N}}(-140N-35917) = 0 + \left(\frac{15N}{7} - \frac{194}{7}\right) + 0 = \frac{15N}{7} - \frac{194}{7}$$

$$(N \ge 15150)$$

$$B_{\bar{N}}(2N+4333) = B_{\bar{N}}(2N+4333-B_{\bar{N}}(2N+4332)) + B_{\bar{N}}(2N+4333-B_{\bar{N}}(2N+4331)) + B_{\bar{N}}(2N+4333-B_{\bar{N}}(2N+4330))$$

$$= B_{\bar{N}}\left(2N+4333-\left(\frac{15N}{7}-\frac{194}{7}\right)\right) + B_{\bar{N}}\left(2N+4333-\left(\frac{16N}{7}+\frac{25}{7}\right)\right) + B_{\bar{N}}(2N+4333-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30525}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30306}{7}\right) + B_{\bar{N}}(2N-139) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30525) *$$

$$B_{\bar{N}}(2N+4334) = B_{\bar{N}}(2N+4334-B_{\bar{N}}(2N+4333)) + B_{\bar{N}}(2N+4334-B_{\bar{N}}(2N+4332)) + B_{\bar{N}}(2N+4334-B_{\bar{N}}(2N+4331))$$

$$= B_{\bar{N}}(2N+4334-(N-2)) + B_{\bar{N}}\left(2N+4334-\left(\frac{15N}{7}-\frac{194}{7}\right)\right) + B_{\bar{N}}\left(2N+4334-\left(\frac{16N}{7}+\frac{25}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4336) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{30532}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30313}{7}\right) = 7+0+0=7$$

$$(N \ge 30532) *$$

$$B_{\bar{N}}(2N+4335) = B_{\bar{N}}(2N+4335 - B_{\bar{N}}(2N+4334)) + B_{\bar{N}}(2N+4335 - B_{\bar{N}}(2N+4333)) + B_{\bar{N}}(2N+4335 - B_{\bar{N}}(2N+4335))$$

$$= B_{\bar{N}}(2N+4335-7) + B_{\bar{N}}(2N+4335-(N-2)) + B_{\bar{N}}\left(2N+4335 - \left(\frac{15N}{7} - \frac{194}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4328) + B_{\bar{N}}(N+4337) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30539}{7}\right) = (142N+88154) + (2N+1283) + 0 = 144N+89437$$

$$(N \ge 30539) *$$

$$B_{\bar{N}}(2N+4336) = B_{\bar{N}}(2N+4336-B_{\bar{N}}(2N+4335)) + B_{\bar{N}}(2N+4336-B_{\bar{N}}(2N+4334)) + B_{\bar{N}}(2N+4336-B_{\bar{N}}(2N+4336))$$

$$= B_{\bar{N}}(2N+4336-(144N+89437)) + B_{\bar{N}}(2N+4336-7) + B_{\bar{N}}(2N+4336-(N-2))$$

$$= B_{\bar{N}}(-142N-85101) + B_{\bar{N}}(2N+4329) + B_{\bar{N}}(N+4338) = 0 + (142N+40249) + (2N+612) = 144N+40861$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4337) &= B_{\bar{N}}(2N+4337 - B_{\bar{N}}(2N+4336)) + B_{\bar{N}}(2N+4337 - B_{\bar{N}}(2N+4335)) + B_{\bar{N}}(2N+4337 - B_{\bar{N}}(2N+4334)) \\ &= B_{\bar{N}}(2N+4337 - (144N+40861)) + B_{\bar{N}}(2N+4337 - (144N+89437)) + B_{\bar{N}}(2N+4337 - 7) \\ &= B_{\bar{N}}(-142N-36524) + B_{\bar{N}}(-142N-85100) + B_{\bar{N}}(2N+4330) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4338) = B_{\bar{N}}(2N+4338 - B_{\bar{N}}(2N+4337)) + B_{\bar{N}}(2N+4338 - B_{\bar{N}}(2N+4336)) + B_{\bar{N}}(2N+4338 - B_{\bar{N}}(2N+4338))$$

$$= B_{\bar{N}}(2N+4338-4472) + B_{\bar{N}}(2N+4338 - (144N+40861)) + B_{\bar{N}}(2N+4338 - (144N+89437))$$

$$= B_{\bar{N}}(2N-134) + B_{\bar{N}}(-142N-36523) + B_{\bar{N}}(-142N-85099) = \left(\frac{16N}{7} + \frac{39}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{39}{7}$$

$$(N \ge 201)$$

$$B_{\bar{N}}(2N+4339) = B_{\bar{N}}(2N+4339 - B_{\bar{N}}(2N+4338)) + B_{\bar{N}}(2N+4339 - B_{\bar{N}}(2N+4337)) + B_{\bar{N}}(2N+4339 - B_{\bar{N}}(2N+4339))$$

$$= B_{\bar{N}}\left(2N+4339 - \left(\frac{16N}{7} + \frac{39}{7}\right)\right) + B_{\bar{N}}(2N+4339 - 4472) + B_{\bar{N}}(2N+4339 - (144N+40861))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30334}{7}\right) + B_{\bar{N}}(2N-133) + B_{\bar{N}}(-142N-36522) = 0 + \left(\frac{15N}{7} - \frac{187}{7}\right) + 0 = \frac{15N}{7} - \frac{187}{7}$$

$$(N \ge 15167)$$

$$B_{\bar{N}}(2N+4340) = B_{\bar{N}}(2N+4340 - B_{\bar{N}}(2N+4339)) + B_{\bar{N}}(2N+4340 - B_{\bar{N}}$$

$$B_{\bar{N}}(2N+4341) = B_{\bar{N}}(2N+4341 - B_{\bar{N}}(2N+4340)) + B_{\bar{N}}(2N+4341 - B_{\bar{N}}$$

$$B_{\bar{N}}(2N+4342) = B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4341)) + B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4340)) + B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2N+4342-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4343) = B_{\bar{N}}(2N+4343-B_{\bar{N}}(2N+4342)) + B_{\bar{N}}(2N+4343-B_{\bar{N}}(2N+4341)) + B_{\bar{N}}(2N+4343-B_{\bar{N}}(2N+4340))$$

$$= B_{\bar{N}}(2N+4343-(146N+90722)) + B_{\bar{N}}(2N+4343-7) + B_{\bar{N}}(2N+4343-(N-2))$$

$$= B_{\bar{N}}(-144N-86379) + B_{\bar{N}}(2N+4336) + B_{\bar{N}}(N+4345) = 0 + (144N+40861) + (2N+613) = 146N+41474$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4344) = B_{\bar{N}}(2N+4344-B_{\bar{N}}(2N+4343)) + B_{\bar{N}}(2N+4344-B_{\bar{N}}(2N+4342)) + B_{\bar{N}}(2N+4344-B_{\bar{N}}(2N+4341))$$

$$= B_{\bar{N}}(2N+4344-(146N+41474)) + B_{\bar{N}}(2N+4344-(146N+90722)) + B_{\bar{N}}(2N+4344-7)$$

$$= B_{\bar{N}}(-144N-37130) + B_{\bar{N}}(-144N-86378) + B_{\bar{N}}(2N+4337) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4345) = B_{\bar{N}}(2N+4345 - B_{\bar{N}}(2N+4344)) + B_{\bar{N}}(2N+4345 - B_{\bar{N}}(2N+4343)) + B_{\bar{N}}(2N+4345 - B_{\bar{N}}(2N+4345))$$

$$= B_{\bar{N}}(2N+4345 - 4472) + B_{\bar{N}}(2N+4345 - (146N+41474)) + B_{\bar{N}}(2N+4345 - (146N+90722))$$

$$= B_{\bar{N}}(2N-127) + B_{\bar{N}}(-144N-37129) + B_{\bar{N}}(-144N-86377) = \left(\frac{16N}{7} + \frac{53}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{53}{7}$$

$$(N \ge 194)$$

$$B_{\bar{N}}(2N+4346) = B_{\bar{N}}(2N+4346-B_{\bar{N}}(2N+4345)) + B_{\bar{N}}(2N+4346-B_{\bar{N}}(2N+4344)) + B_{\bar{N}}(2N+4346-B_{\bar{N}}(2N+4343))$$

$$= B_{\bar{N}}\left(2N+4346-\left(\frac{16N}{7}+\frac{53}{7}\right)\right) + B_{\bar{N}}(2N+4346-4472) + B_{\bar{N}}(2N+4346-(146N+41474))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30369}{7}\right) + B_{\bar{N}}(2N-126) + B_{\bar{N}}(-144N-37128) = 0 + \left(\frac{15N}{7}-\frac{180}{7}\right) + 0 = \frac{15N}{7}-\frac{180}{7}$$

$$(N \ge 15185)$$

$$B_{\bar{N}}(2N+4347) = B_{\bar{N}}(2N+4347 - B_{\bar{N}}(2N+4346)) + B_{\bar{N}}(2N+4347 - B_{\bar{N}}(2N+4345)) + B_{\bar{N}}(2N+4347 - B_{\bar{N}}(2N+4344))$$

$$= B_{\bar{N}}\left(2N+4347 - \left(\frac{15N}{7} - \frac{180}{7}\right)\right) + B_{\bar{N}}\left(2N+4347 - \left(\frac{16N}{7} + \frac{53}{7}\right)\right) + B_{\bar{N}}(2N+4347 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30609}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30376}{7}\right) + B_{\bar{N}}(2N-125) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30609) *$$

$$B_{\bar{N}}(2N+4348) = B_{\bar{N}}(2N+4348 - B_{\bar{N}}(2N+4347)) + B_{\bar{N}}(2N+4348 - B_{\bar{N}}(2N+4346)) + B_{\bar{N}}(2N+4348 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4349) = B_{\bar{N}}(2N+4349 - B_{\bar{N}}(2N+4348)) + B_{\bar{N}}(2N+4349 - B_{\bar{N}}(2N+4347)) + B_{\bar{N}}(2N+4349 - B_{\bar{N}}(2N+4349))$$

$$= B_{\bar{N}}(2N+4349 - 7) + B_{\bar{N}}(2N+4349 - (N-2)) + B_{\bar{N}}\left(2N+4349 - \left(\frac{15N}{7} - \frac{180}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4342) + B_{\bar{N}}(N+4351) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30623}{7}\right) = (146N+90722) + (2N+1287) + 0 = 148N+92009$$

$$(N \ge 30623) *$$

$$B_{\bar{N}}(2N+4350) = B_{\bar{N}}(2N+4350-B_{\bar{N}}(2N+4349)) + B_{\bar{N}}(2N+4350-B_{\bar{N}}(2N+4348)) + B_{\bar{N}}(2N+4350-B_{\bar{N}}(2N+4347))$$

$$= B_{\bar{N}}(2N+4350-(148N+92009)) + B_{\bar{N}}(2N+4350-7) + B_{\bar{N}}(2N+4350-(N-2))$$

$$= B_{\bar{N}}(-146N-87659) + B_{\bar{N}}(2N+4343) + B_{\bar{N}}(N+4352) = 0 + (146N+41474) + (2N+614) = 148N + 42088$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4351) = B_{\bar{N}}(2N+4351 - B_{\bar{N}}(2N+4350)) + B_{\bar{N}}(2N+4351 - B_{\bar{N}}(2N+4349)) + B_{\bar{N}}(2N+4351 - B_{\bar{N}}(2N+4348))$$

$$= B_{\bar{N}}(2N+4351 - (148N+42088)) + B_{\bar{N}}(2N+4351 - (148N+92009)) + B_{\bar{N}}(2N+4351 - 7)$$

$$= B_{\bar{N}}(-146N - 37737) + B_{\bar{N}}(-146N - 87658) + B_{\bar{N}}(2N+4344) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4352) = B_{\bar{N}}(2N+4352 - B_{\bar{N}}(2N+4351)) + B_{\bar{N}}(2N+4352 - B_{\bar{N}}(2N+4350)) + B_{\bar{N}}(2N+4352 - B_{\bar{N}}(2N+4349))$$

$$= B_{\bar{N}}(2N+4352 - 4472) + B_{\bar{N}}(2N+4352 - (148N+42088)) + B_{\bar{N}}(2N+4352 - (148N+92009))$$

$$= B_{\bar{N}}(2N-120) + B_{\bar{N}}(-146N-37736) + B_{\bar{N}}(-146N-87657) = \left(\frac{16N}{7} + \frac{67}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{67}{7}$$

$$(N \ge 187)$$

$$B_{\bar{N}}(2N+4353) = B_{\bar{N}}(2N+4353 - B_{\bar{N}}(2N+4352)) + B_{\bar{N}}(2N+4353 - B_{\bar{N}}(2N+4351)) + B_{\bar{N}}(2N+4353 - B_{\bar{N}}(2N+4350))$$

$$= B_{\bar{N}}\left(2N+4353 - \left(\frac{16N}{7} + \frac{67}{7}\right)\right) + B_{\bar{N}}(2N+4353 - 4472) + B_{\bar{N}}(2N+4353 - (148N+42088))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30404}{7}\right) + B_{\bar{N}}(2N-119) + B_{\bar{N}}(-146N-37735) = 0 + \left(\frac{15N}{7} - \frac{173}{7}\right) + 0 = \frac{15N}{7} - \frac{173}{7}$$

$$(N > 15202)$$

$$B_{\bar{N}}(2N+4354) = B_{\bar{N}}(2N+4354-B_{\bar{N}}(2N+4353)) + B_{\bar{N}}(2N+4354-B_{\bar{N}}(2N+4352)) + B_{\bar{N}}(2N+4354-B_{\bar{N}}(2N+4351))$$

$$= B_{\bar{N}}\left(2N+4354-\left(\frac{15N}{7}-\frac{173}{7}\right)\right) + B_{\bar{N}}\left(2N+4354-\left(\frac{16N}{7}+\frac{67}{7}\right)\right) + B_{\bar{N}}(2N+4354-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30651}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30411}{7}\right) + B_{\bar{N}}(2N-118) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30651) *$$

$$B_{\bar{N}}(2N+4355) = B_{\bar{N}}(2N+4355 - B_{\bar{N}}(2N+4354)) + B_{\bar{N}}(2N+4355 - B_{\bar{N}}(2N+4353)) + B_{\bar{N}}(2N+4355 - B_{\bar{N}}(2N+4352))$$

$$= B_{\bar{N}}(2N+4355 - (N-2)) + B_{\bar{N}}\left(2N+4355 - \left(\frac{15N}{7} - \frac{173}{7}\right)\right) + B_{\bar{N}}\left(2N+4355 - \left(\frac{16N}{7} + \frac{67}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4357) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30658}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30418}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30658) *$$

$$B_{\bar{N}}(2N+4356) = B_{\bar{N}}(2N+4356-B_{\bar{N}}(2N+4355)) + B_{\bar{N}}(2N+4356-B_{\bar{N}}(2N+4354)) + B_{\bar{N}}(2N+4356-B_{\bar{N}}(2N+4356))$$

$$= B_{\bar{N}}(2N+4356-7) + B_{\bar{N}}(2N+4356-(N-2)) + B_{\bar{N}}\left(2N+4356-\left(\frac{15N}{7}-\frac{173}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4349) + B_{\bar{N}}(N+4358) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{30665}{7}\right) = (148N+92009) + (2N+1289) + 0 = 150N+93298$$

$$(N \ge 30665) *$$

$$B_{\bar{N}}(2N+4357) = B_{\bar{N}}(2N+4357-B_{\bar{N}}(2N+4356)) + B_{\bar{N}}(2N+4357-B_{\bar{N}}(2N+4355)) + B_{\bar{N}}(2N+4357-B_{\bar{N}}(2N+4354))$$

$$= B_{\bar{N}}(2N+4357-(150N+93298)) + B_{\bar{N}}(2N+4357-7) + B_{\bar{N}}(2N+4357-(N-2))$$

$$= B_{\bar{N}}(-148N-88941) + B_{\bar{N}}(2N+4350) + B_{\bar{N}}(N+4359) = 0 + (148N+42088) + (2N+615) = 150N+42703$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4358) = B_{\bar{N}}(2N+4358-B_{\bar{N}}(2N+4357)) + B_{\bar{N}}(2N+4358-B_{\bar{N}}(2N+4356)) + B_{\bar{N}}(2N+4358-B_{\bar{N}}(2N+4358))$$

$$= B_{\bar{N}}(2N+4358-(150N+42703)) + B_{\bar{N}}(2N+4358-(150N+93298)) + B_{\bar{N}}(2N+4358-7)$$

$$= B_{\bar{N}}(-148N-38345) + B_{\bar{N}}(-148N-88940) + B_{\bar{N}}(2N+4351) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4359) = B_{\bar{N}}(2N+4359 - B_{\bar{N}}(2N+4358)) + B_{\bar{N}}(2N+4359 - B_{\bar{N}}(2N+4357)) + B_{\bar{N}}(2N+4359 - B_{\bar{N}}(2N+4359))$$

$$= B_{\bar{N}}(2N+4359 - 4472) + B_{\bar{N}}(2N+4359 - (150N+42703)) + B_{\bar{N}}(2N+4359 - (150N+93298))$$

$$= B_{\bar{N}}(2N-113) + B_{\bar{N}}(-148N-38344) + B_{\bar{N}}(-148N-88939) = \left(\frac{16N}{7} + \frac{81}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{81}{7}$$

$$(N \ge 180)$$

$$B_{\bar{N}}(2N+4360) = B_{\bar{N}}(2N+4360 - B_{\bar{N}}(2N+4359)) + B_{\bar{N}}(2N+4360 - B_{\bar{N}}(2N+4358)) + B_{\bar{N}}(2N+4360 - B_{\bar{N}}(2N+4357))$$

$$= B_{\bar{N}}\left(2N+4360 - \left(\frac{16N}{7} + \frac{81}{7}\right)\right) + B_{\bar{N}}(2N+4360 - 4472) + B_{\bar{N}}(2N+4360 - (150N+42703))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30439}{7}\right) + B_{\bar{N}}(2N-112) + B_{\bar{N}}(-148N-38343) = 0 + \left(\frac{15N}{7} - \frac{166}{7}\right) + 0 = \frac{15N}{7} - \frac{166}{7}$$

$$(N \ge 15220)$$

$$B_{\bar{N}}(2N+4361) = B_{\bar{N}}(2N+4361 - B_{\bar{N}}(2N+4360)) + B_{\bar{N}}(2N+4361 - B_{\bar{N}}(2N+4359)) + B_{\bar{N}}(2N+4361 - B_{\bar{N}}(2N+4358))$$

$$= B_{\bar{N}}\left(2N+4361 - \left(\frac{15N}{7} - \frac{166}{7}\right)\right) + B_{\bar{N}}\left(2N+4361 - \left(\frac{16N}{7} + \frac{81}{7}\right)\right) + B_{\bar{N}}(2N+4361 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30693}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30446}{7}\right) + B_{\bar{N}}(2N-111) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30693) *$$

$$B_{\bar{N}}(2N+4362) = B_{\bar{N}}(2N+4362 - B_{\bar{N}}(2N+4361)) + B_{\bar{N}}(2N+4362 - B_{\bar{N}}(2N+4360)) + B_{\bar{N}}(2N+4362 - B_{\bar{N}}(2N+4362))$$

$$= B_{\bar{N}}(2N+4362 - (N-2)) + B_{\bar{N}}\left(2N+4362 - \left(\frac{15N}{7} - \frac{166}{7}\right)\right) + B_{\bar{N}}\left(2N+4362 - \left(\frac{16N}{7} + \frac{81}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4364) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30700}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30453}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30700) *$$

$$B_{\bar{N}}(2N+4363) = B_{\bar{N}}(2N+4363 - B_{\bar{N}}(2N+4362)) + B_{\bar{N}}(2N+4363 - B_{\bar{N}}(2N+4361)) + B_{\bar{N}}(2N+4363 - B_{\bar{N}}(2N+4363))$$

$$= B_{\bar{N}}(2N+4363-7) + B_{\bar{N}}(2N+4363-(N-2)) + B_{\bar{N}}\left(2N+4363 - \left(\frac{15N}{7} - \frac{166}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4356) + B_{\bar{N}}(N+4365) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30707}{7}\right) = (150N+93298) + (2N+1291) + 0 = 152N+94589$$

$$(N \ge 30707) *$$

$$B_{\bar{N}}(2N+4364) = B_{\bar{N}}(2N+4364-B_{\bar{N}}(2N+4363)) + B_{\bar{N}}(2N+4364-B_{\bar{N}}(2N+4362)) + B_{\bar{N}}(2N+4364-B_{\bar{N}}(2N+4361))$$

$$= B_{\bar{N}}(2N+4364-(152N+94589)) + B_{\bar{N}}(2N+4364-7) + B_{\bar{N}}(2N+4364-(N-2))$$

$$= B_{\bar{N}}(-150N-90225) + B_{\bar{N}}(2N+4357) + B_{\bar{N}}(N+4366) = 0 + (150N+42703) + (2N+616) = 152N+43319$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4365) &= B_{\bar{N}}(2N+4365-B_{\bar{N}}(2N+4364)) + B_{\bar{N}}(2N+4365-B_{\bar{N}}(2N+4363)) + B_{\bar{N}}(2N+4365-B_{\bar{N}}(2N+4365)) \\ &= B_{\bar{N}}(2N+4365-(152N+43319)) + B_{\bar{N}}(2N+4365-(152N+94589)) + B_{\bar{N}}(2N+4365-7) \\ &= B_{\bar{N}}(-150N-38954) + B_{\bar{N}}(-150N-90224) + B_{\bar{N}}(2N+4358) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4366) = B_{\bar{N}}(2N+4366 - B_{\bar{N}}(2N+4365)) + B_{\bar{N}}(2N+4366 - B_{\bar{N}}(2N+4364)) + B_{\bar{N}}(2N+4366 - B_{\bar{N}}(2N+4363))$$

$$= B_{\bar{N}}(2N+4366 - 4472) + B_{\bar{N}}(2N+4366 - (152N+43319)) + B_{\bar{N}}(2N+4366 - (152N+94589))$$

$$= B_{\bar{N}}(2N-106) + B_{\bar{N}}(-150N-38953) + B_{\bar{N}}(-150N-90223) = \left(\frac{16N}{7} + \frac{95}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{95}{7}$$

$$(N \ge 173)$$

$$B_{\bar{N}}(2N+4367) = B_{\bar{N}}(2N+4367 - B_{\bar{N}}(2N+4366)) + B_{\bar{N}}(2N+4367 - B_{\bar{N}}(2N+4365)) + B_{\bar{N}}(2N+4367 - B_{\bar{N}}(2N+4364))$$

$$= B_{\bar{N}}\left(2N+4367 - \left(\frac{16N}{7} + \frac{95}{7}\right)\right) + B_{\bar{N}}(2N+4367 - 4472) + B_{\bar{N}}(2N+4367 - (152N+43319))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30474}{7}\right) + B_{\bar{N}}(2N-105) + B_{\bar{N}}(-150N-38952) = 0 + \left(\frac{15N}{7} - \frac{159}{7}\right) + 0 = \frac{15N}{7} - \frac{159}{7}$$

$$(N \ge 15237)$$

$$B_{\bar{N}}(2N+4368) = B_{\bar{N}}(2N+4368-B_{\bar{N}}(2N+4367)) + B_{\bar{N}}(2N+4368-B_{\bar{N}}(2N+4366)) + B_{\bar{N}}(2N+4368-B_{\bar{N}}(2N+4368))$$

$$= B_{\bar{N}}\left(2N+4368-\left(\frac{15N}{7}-\frac{159}{7}\right)\right) + B_{\bar{N}}\left(2N+4368-\left(\frac{16N}{7}+\frac{95}{7}\right)\right) + B_{\bar{N}}(2N+4368-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30735}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30481}{7}\right) + B_{\bar{N}}(2N-104) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30735) *$$

$$B_{\bar{N}}(2N+4369) = B_{\bar{N}}(2N+4369 - B_{\bar{N}}(2N+4368)) + B_{\bar{N}}(2N+4369 - B_{\bar{N}}(2N+4367)) + B_{\bar{N}}(2N+4369 - B_{\bar{N}}(2N+4369))$$

$$= B_{\bar{N}}(2N+4369 - (N-2)) + B_{\bar{N}}\left(2N+4369 - \left(\frac{15N}{7} - \frac{159}{7}\right)\right) + B_{\bar{N}}\left(2N+4369 - \left(\frac{16N}{7} + \frac{95}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4371) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30742}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30488}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30742) *$$

$$B_{\bar{N}}(2N+4370) = B_{\bar{N}}(2N+4370 - B_{\bar{N}}(2N+4369)) + B_{\bar{N}}(2N+4370 - B_{\bar{N}}(2N+4368)) + B_{\bar{N}}(2N+4370 - B_{\bar{N}}(2N+4367))$$

$$= B_{\bar{N}}(2N+4370-7) + B_{\bar{N}}(2N+4370 - (N-2)) + B_{\bar{N}}\left(2N+4370 - \left(\frac{15N}{7} - \frac{159}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4363) + B_{\bar{N}}(N+4372) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30749}{7}\right) = (152N+94589) + (2N+1293) + 0 = 154N+95882$$

$$(N \ge 30749) *$$

$$B_{\bar{N}}(2N+4371) = B_{\bar{N}}(2N+4371-B_{\bar{N}}(2N+4370)) + B_{\bar{N}}(2N+4371-B_{\bar{N}}(2N+4369)) + B_{\bar{N}}(2N+4371-B_{\bar{N}}(2N+4368))$$

$$= B_{\bar{N}}(2N+4371-(154N+95882)) + B_{\bar{N}}(2N+4371-7) + B_{\bar{N}}(2N+4371-(N-2))$$

$$= B_{\bar{N}}(-152N-91511) + B_{\bar{N}}(2N+4364) + B_{\bar{N}}(N+4373) = 0 + (152N+43319) + (2N+617) = 154N+43936$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4372) &= B_{\bar{N}}(2N+4372-B_{\bar{N}}(2N+4371)) + B_{\bar{N}}(2N+4372-B_{\bar{N}}(2N+4370)) + B_{\bar{N}}(2N+4372-B_{\bar{N}}(2N+4369)) \\ &= B_{\bar{N}}(2N+4372-(154N+43936)) + B_{\bar{N}}(2N+4372-(154N+95882)) + B_{\bar{N}}(2N+4372-7) \\ &= B_{\bar{N}}(-152N-39564) + B_{\bar{N}}(-152N-91510) + B_{\bar{N}}(2N+4365) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4373) = B_{\bar{N}}(2N+4373 - B_{\bar{N}}(2N+4372)) + B_{\bar{N}}(2N+4373 - B_{\bar{N}}(2N+4371)) + B_{\bar{N}}(2N+4373 - B_{\bar{N}}(2N+4370))$$

$$= B_{\bar{N}}(2N+4373 - 4472) + B_{\bar{N}}(2N+4373 - (154N+43936)) + B_{\bar{N}}(2N+4373 - (154N+95882))$$

$$= B_{\bar{N}}(2N-99) + B_{\bar{N}}(-152N-39563) + B_{\bar{N}}(-152N-91509) = \left(\frac{16N}{7} + \frac{109}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{109}{7}$$

$$(N > 166)$$

$$B_{\bar{N}}(2N+4374) = B_{\bar{N}}(2N+4374-B_{\bar{N}}(2N+4373)) + B_{\bar{N}}(2N+4374-B_{\bar{N}}(2N+4372)) + B_{\bar{N}}(2N+4374-B_{\bar{N}}(2N+4374))$$

$$= B_{\bar{N}}\left(2N+4374-\left(\frac{16N}{7}+\frac{109}{7}\right)\right) + B_{\bar{N}}(2N+4374-4472) + B_{\bar{N}}(2N+4374-(154N+43936))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30509}{7}\right) + B_{\bar{N}}(2N-98) + B_{\bar{N}}(-152N-39562) = 0 + \left(\frac{15N}{7}-\frac{152}{7}\right) + 0 = \frac{15N}{7}-\frac{152}{7}$$

$$(N \ge 15255)$$

$$B_{\bar{N}}(2N+4375) = B_{\bar{N}}(2N+4375 - B_{\bar{N}}(2N+4374)) + B_{\bar{N}}(2N+4375 - B_{\bar{N}}(2N+4373)) + B_{\bar{N}}(2N+4375 - B_{\bar{N}}(2N+4372))$$

$$= B_{\bar{N}}\left(2N+4375 - \left(\frac{15N}{7} - \frac{152}{7}\right)\right) + B_{\bar{N}}\left(2N+4375 - \left(\frac{16N}{7} + \frac{109}{7}\right)\right) + B_{\bar{N}}(2N+4375 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30777}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30516}{7}\right) + B_{\bar{N}}(2N-97) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30777) *$$

$$B_{\bar{N}}(2N+4376) = B_{\bar{N}}(2N+4376 - B_{\bar{N}}(2N+4375)) + B_{\bar{N}}(2N+4376 - B_{\bar{N}}(2N+4374)) + B_{\bar{N}}(2N+4376 - B_{\bar{N}}(2N+4373))$$

$$= B_{\bar{N}}(2N+4376 - (N-2)) + B_{\bar{N}}\left(2N+4376 - \left(\frac{15N}{7} - \frac{152}{7}\right)\right) + B_{\bar{N}}\left(2N+4376 - \left(\frac{16N}{7} + \frac{109}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4378) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30784}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30523}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30784) *$$

$$B_{\bar{N}}(2N+4377) = B_{\bar{N}}(2N+4377 - B_{\bar{N}}(2N+4376)) + B_{\bar{N}}(2N+4377 - B_{\bar{N}}(2N+4375)) + B_{\bar{N}}(2N+4377 - B_{\bar{N}}(2N+4374))$$

$$= B_{\bar{N}}(2N+4377-7) + B_{\bar{N}}(2N+4377-(N-2)) + B_{\bar{N}}\left(2N+4377 - \left(\frac{15N}{7} - \frac{152}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4370) + B_{\bar{N}}(N+4379) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30791}{7}\right) = (154N+95882) + (2N+1295) + 0 = 156N+97177$$

$$(N \ge 30791) *$$

$$B_{\bar{N}}(2N+4378) = B_{\bar{N}}(2N+4378-B_{\bar{N}}(2N+4377)) + B_{\bar{N}}(2N+4378-B_{\bar{N}}(2N+4376)) + B_{\bar{N}}(2N+4378-B_{\bar{N}}(2N+4375))$$

$$= B_{\bar{N}}(2N+4378-(156N+97177)) + B_{\bar{N}}(2N+4378-7) + B_{\bar{N}}(2N+4378-(N-2))$$

$$= B_{\bar{N}}(-154N-92799) + B_{\bar{N}}(2N+4371) + B_{\bar{N}}(N+4380) = 0 + (154N+43936) + (2N+618) = 156N+44554$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4379) = B_{\bar{N}}(2N+4379 - B_{\bar{N}}(2N+4378)) + B_{\bar{N}}(2N+4379 - B_{\bar{N}}(2N+4377)) + B_{\bar{N}}(2N+4379 - B_{\bar{N}}(2N+4379))$$

$$= B_{\bar{N}}(2N+4379 - (156N+44554)) + B_{\bar{N}}(2N+4379 - (156N+97177)) + B_{\bar{N}}(2N+4379 - 7)$$

$$= B_{\bar{N}}(-154N-40175) + B_{\bar{N}}(-154N-92798) + B_{\bar{N}}(2N+4372) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4380) = B_{\bar{N}}(2N+4380 - B_{\bar{N}}(2N+4379)) + B_{\bar{N}}(2N+4380 - B_{\bar{N}}(2N+4378)) + B_{\bar{N}}(2N+4380 - B_{\bar{N}}(2N+4377))$$

$$= B_{\bar{N}}(2N+4380 - 4472) + B_{\bar{N}}(2N+4380 - (156N+44554)) + B_{\bar{N}}(2N+4380 - (156N+97177))$$

$$= B_{\bar{N}}(2N-92) + B_{\bar{N}}(-154N-40174) + B_{\bar{N}}(-154N-92797) = \left(\frac{16N}{7} + \frac{123}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{123}{7}$$

$$(N \ge 159)$$

$$B_{\bar{N}}(2N+4381) = B_{\bar{N}}(2N+4381 - B_{\bar{N}}(2N+4380)) + B_{\bar{N}}(2N+4381 - B_{\bar{N}}(2N+4379)) + B_{\bar{N}}(2N+4381 - B_{\bar{N}}(2N+4378))$$

$$= B_{\bar{N}}\left(2N+4381 - \left(\frac{16N}{7} + \frac{123}{7}\right)\right) + B_{\bar{N}}(2N+4381 - 4472) + B_{\bar{N}}(2N+4381 - (156N+44554))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30544}{7}\right) + B_{\bar{N}}(2N-91) + B_{\bar{N}}(-154N-40173) = 0 + \left(\frac{15N}{7} - \frac{145}{7}\right) + 0 = \frac{15N}{7} - \frac{145}{7}$$

$$(N \ge 15272)$$

$$B_{\bar{N}}(2N+4382) = B_{\bar{N}}(2N+4382 - B_{\bar{N}}(2N+4381)) + B_{\bar{N}}(2N+4382 - B_{\bar{N}}(2N+4380)) + B_{\bar{N}}(2N+4382 - B_{\bar{N}}(2N+4379))$$

$$= B_{\bar{N}}\left(2N+4382 - \left(\frac{15N}{7} - \frac{145}{7}\right)\right) + B_{\bar{N}}\left(2N+4382 - \left(\frac{16N}{7} + \frac{123}{7}\right)\right) + B_{\bar{N}}(2N+4382 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30819}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30551}{7}\right) + B_{\bar{N}}(2N-90) = 0 + 0 + (N-2) = N-2$$

$$(N > 30819) *$$

$$B_{\bar{N}}(2N+4383) = B_{\bar{N}}(2N+4383 - B_{\bar{N}}(2N+4382)) + B_{\bar{N}}(2N+4383 - B_{\bar{N}}(2N+4381)) + B_{\bar{N}}(2N+4383 - B_{\bar{N}}(2N+4383))$$

$$= B_{\bar{N}}(2N+4383 - (N-2)) + B_{\bar{N}}\left(2N+4383 - \left(\frac{15N}{7} - \frac{145}{7}\right)\right) + B_{\bar{N}}\left(2N+4383 - \left(\frac{16N}{7} + \frac{123}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4385) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30826}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30558}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30826) *$$

$$B_{\bar{N}}(2N+4384) = B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4383)) + B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4382)) + B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2N+4384-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4385) = B_{\bar{N}}(2N+4385-B_{\bar{N}}(2N+4384)) + B_{\bar{N}}(2N+4385-B_{\bar{N}}(2N+4383)) + B_{\bar{N}}(2N+4385-B_{\bar{N}}(2N+4385))$$

$$= B_{\bar{N}}(2N+4385-(158N+98474)) + B_{\bar{N}}(2N+4385-7) + B_{\bar{N}}(2N+4385-(N-2))$$

$$= B_{\bar{N}}(-156N-94089) + B_{\bar{N}}(2N+4378) + B_{\bar{N}}(N+4387) = 0 + (156N+44554) + (2N+619) = 158N+45173$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4386) = B_{\bar{N}}(2N+4386-B_{\bar{N}}(2N+4385)) + B_{\bar{N}}(2N+4386-B_{\bar{N}}(2N+4384)) + B_{\bar{N}}(2N+4386-B_{\bar{N}}(2N+4386))$$

$$= B_{\bar{N}}(2N+4386-(158N+45173)) + B_{\bar{N}}(2N+4386-(158N+98474)) + B_{\bar{N}}(2N+4386-7)$$

$$= B_{\bar{N}}(-156N-40787) + B_{\bar{N}}(-156N-94088) + B_{\bar{N}}(2N+4379) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4387) = B_{\bar{N}}(2N+4387 - B_{\bar{N}}(2N+4386)) + B_{\bar{N}}(2N+4387 - B_{\bar{N}}(2N+4385)) + B_{\bar{N}}(2N+4387 - B_{\bar{N}}(2N+4384))$$

$$= B_{\bar{N}}(2N+4387 - 4472) + B_{\bar{N}}(2N+4387 - (158N+45173)) + B_{\bar{N}}(2N+4387 - (158N+98474))$$

$$= B_{\bar{N}}(2N-85) + B_{\bar{N}}(-156N-40786) + B_{\bar{N}}(-156N-94087) = \left(\frac{16N}{7} + \frac{137}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{137}{7}$$

$$(N \ge 152)$$

$$B_{\bar{N}}(2N+4388) = B_{\bar{N}}(2N+4388 - B_{\bar{N}}(2N+4387)) + B_{\bar{N}}(2N+4388 - B_{\bar{N}}(2N+4386)) + B_{\bar{N}}(2N+4388 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4389) = B_{\bar{N}}(2N+4389 - B_{\bar{N}}(2N+4388)) + B_{\bar{N}}(2N+4389 - B_{\bar{N}}(2N+4387)) + B_{\bar{N}}(2N+4389 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4390) = B_{\bar{N}}(2N+4390 - B_{\bar{N}}(2N+4389)) + B_{\bar{N}}(2N+4390 - B_{\bar{N}}(2N+4388)) + B_{\bar{N}}(2N+4390 - B_{\bar{N}}(2N+4387))$$

$$= B_{\bar{N}}(2N+4390 - (N-2)) + B_{\bar{N}}\left(2N+4390 - \left(\frac{15N}{7} - \frac{138}{7}\right)\right) + B_{\bar{N}}\left(2N+4390 - \left(\frac{16N}{7} + \frac{137}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4392) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30868}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30593}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30868) *$$

$$B_{\bar{N}}(2N+4391) = B_{\bar{N}}(2N+4391 - B_{\bar{N}}(2N+4390)) + B_{\bar{N}}(2N+4391 - B_{\bar{N}}(2N+4391) + B_{\bar{N}}(2N+4391 - B_{\bar{N}}(2N+4391 - B_{\bar{N}}(2N+4391)) + B_{\bar{N}}(2N+4391) + B_{\bar{N$$

$$\begin{split} B_{\bar{N}}(2N+4392) &= B_{\bar{N}}(2N+4392-B_{\bar{N}}(2N+4391)) + B_{\bar{N}}(2N+4392-B_{\bar{N}}(2N+4390)) + B_{\bar{N}}(2N+4392-B_{\bar{N}}(2N+4392)) \\ &= B_{\bar{N}}(2N+4392-(160N+99773)) + B_{\bar{N}}(2N+4392-7) + B_{\bar{N}}(2N+4392-(N-2)) \\ &= B_{\bar{N}}(-158N-95381) + B_{\bar{N}}(2N+4385) + B_{\bar{N}}(N+4394) = 0 + (158N+45173) + (2N+620) = 160N+45793 \\ &(N \geq 1) \end{split}$$

$$\begin{split} B_{\bar{N}}(2N+4393) &= B_{\bar{N}}(2N+4393-B_{\bar{N}}(2N+4392)) + B_{\bar{N}}(2N+4393-B_{\bar{N}}(2N+4391)) + B_{\bar{N}}(2N+4393-B_{\bar{N}}(2N+4390)) \\ &= B_{\bar{N}}(2N+4393-(160N+45793)) + B_{\bar{N}}(2N+4393-(160N+99773)) + B_{\bar{N}}(2N+4393-7) \\ &= B_{\bar{N}}(-158N-41400) + B_{\bar{N}}(-158N-95380) + B_{\bar{N}}(2N+4386) = 0 + 0 + 4472 = 4472 \\ &(N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4394) = B_{\bar{N}}(2N+4394-B_{\bar{N}}(2N+4393)) + B_{\bar{N}}(2N+4394-B_{\bar{N}}(2N+4392)) + B_{\bar{N}}(2N+4394-B_{\bar{N}}(2N+4391))$$

$$= B_{\bar{N}}(2N+4394-4472) + B_{\bar{N}}(2N+4394-(160N+45793)) + B_{\bar{N}}(2N+4394-(160N+99773))$$

$$= B_{\bar{N}}(2N-78) + B_{\bar{N}}(-158N-41399) + B_{\bar{N}}(-158N-95379) = \left(\frac{16N}{7} + \frac{151}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{151}{7}$$

$$(N \ge 145)$$

$$B_{\bar{N}}(2N+4395) = B_{\bar{N}}(2N+4395 - B_{\bar{N}}(2N+4394)) + B_{\bar{N}}(2N+4395 - B_{\bar{N}}(2N+4393)) + B_{\bar{N}}(2N+4395 - B_{\bar{N}}(2N+4395))$$

$$= B_{\bar{N}}\left(2N+4395 - \left(\frac{16N}{7} + \frac{151}{7}\right)\right) + B_{\bar{N}}(2N+4395 - 4472) + B_{\bar{N}}(2N+4395 - (160N+45793))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30614}{7}\right) + B_{\bar{N}}(2N-77) + B_{\bar{N}}(-158N-41398) = 0 + \left(\frac{15N}{7} - \frac{131}{7}\right) + 0 = \frac{15N}{7} - \frac{131}{7}$$

$$(N \ge 15307)$$

$$B_{\bar{N}}(2N+4396) = B_{\bar{N}}(2N+4396-B_{\bar{N}}(2N+4395)) + B_{\bar{N}}(2N+4396-B_{\bar{N}}(2N+4394)) + B_{\bar{N}}(2N+4396-B_{\bar{N}}(2N+4393))$$

$$= B_{\bar{N}}\left(2N+4396-\left(\frac{15N}{7}-\frac{131}{7}\right)\right) + B_{\bar{N}}\left(2N+4396-\left(\frac{16N}{7}+\frac{151}{7}\right)\right) + B_{\bar{N}}(2N+4396-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{30903}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30621}{7}\right) + B_{\bar{N}}(2N-76) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30903) *$$

$$B_{\bar{N}}(2N+4397) = B_{\bar{N}}(2N+4397 - B_{\bar{N}}(2N+4396)) + B_{\bar{N}}(2N+4397 - B_{\bar{N}}(2N+4395)) + B_{\bar{N}}(2N+4397 - B_{\bar{N}}(2N+4394))$$

$$= B_{\bar{N}}(2N+4397 - (N-2)) + B_{\bar{N}}\left(2N+4397 - \left(\frac{15N}{7} - \frac{131}{7}\right)\right) + B_{\bar{N}}\left(2N+4397 - \left(\frac{16N}{7} + \frac{151}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4399) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30910}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30628}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30910) *$$

$$B_{\bar{N}}(2N+4398) = B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4397)) + B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4396)) + B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2N+4398-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4399) = B_{\bar{N}}(2N+4399-B_{\bar{N}}(2N+4398)) + B_{\bar{N}}(2N+4399-B_{\bar{N}}(2N+4397)) + B_{\bar{N}}(2N+4399-B_{\bar{N}}(2N+4396))$$

$$= B_{\bar{N}}(2N+4399-(162N+101074)) + B_{\bar{N}}(2N+4399-7) + B_{\bar{N}}(2N+4399-(N-2))$$

$$= B_{\bar{N}}(-160N-96675) + B_{\bar{N}}(2N+4392) + B_{\bar{N}}(N+4401) = 0 + (160N+45793) + (2N+621) = 162N+46414$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4400) = B_{\bar{N}}(2N+4400-B_{\bar{N}}(2N+4399)) + B_{\bar{N}}(2N+4400-B_{\bar{N}}(2N+4398)) + B_{\bar{N}}(2N+4400-B_{\bar{N}}(2N+4397))$$

$$= B_{\bar{N}}(2N+4400-(162N+46414)) + B_{\bar{N}}(2N+4400-(162N+101074)) + B_{\bar{N}}(2N+4400-7)$$

$$= B_{\bar{N}}(-160N-42014) + B_{\bar{N}}(-160N-96674) + B_{\bar{N}}(2N+4393) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4401) = B_{\bar{N}}(2N+4401 - B_{\bar{N}}(2N+4400)) + B_{\bar{N}}(2N+4401 - B_{\bar{N}}(2N+4399)) + B_{\bar{N}}(2N+4401 - B_{\bar{N}}(2N+4398))$$

$$= B_{\bar{N}}(2N+4401 - 4472) + B_{\bar{N}}(2N+4401 - (162N+46414)) + B_{\bar{N}}(2N+4401 - (162N+101074))$$

$$= B_{\bar{N}}(2N-71) + B_{\bar{N}}(-160N-42013) + B_{\bar{N}}(-160N-96673) = \left(\frac{16N}{7} + \frac{165}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{165}{7}$$

$$(N \ge 138)$$

$$B_{\bar{N}}(2N+4402) = B_{\bar{N}}(2N+4402 - B_{\bar{N}}(2N+4401)) + B_{\bar{N}}(2N+4402 - B_{\bar{N}}(2N+4400)) + B_{\bar{N}}(2N+4402 - B_{\bar{N}}(2N+4399))$$

$$= B_{\bar{N}}\left(2N+4402 - \left(\frac{16N}{7} + \frac{165}{7}\right)\right) + B_{\bar{N}}(2N+4402 - 4472) + B_{\bar{N}}(2N+4402 - (162N+46414))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30649}{7}\right) + B_{\bar{N}}(2N-70) + B_{\bar{N}}(-160N-42012) = 0 + \left(\frac{15N}{7} - \frac{124}{7}\right) + 0 = \frac{15N}{7} - \frac{124}{7}$$

$$(N \ge 15325)$$

$$B_{\bar{N}}(2N+4403) = B_{\bar{N}}(2N+4403 - B_{\bar{N}}(2N+4402)) + B_{\bar{N}}(2N+4403 - B_{\bar{N}}(2N+4401)) + B_{\bar{N}}(2N+4403 - B_{\bar{N}}(2N+4400))$$

$$= B_{\bar{N}}\left(2N+4403 - \left(\frac{15N}{7} - \frac{124}{7}\right)\right) + B_{\bar{N}}\left(2N+4403 - \left(\frac{16N}{7} + \frac{165}{7}\right)\right) + B_{\bar{N}}(2N+4403 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30945}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30656}{7}\right) + B_{\bar{N}}(2N-69) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30945) *$$

$$B_{\bar{N}}(2N+4404) = B_{\bar{N}}(2N+4404 - B_{\bar{N}}(2N+4403)) + B_{\bar{N}}(2N+4404 - B_{\bar{N}}(2N+4402)) + B_{\bar{N}}(2N+4404 - B_{\bar{N}}(2N+4401))$$

$$= B_{\bar{N}}(2N+4404 - (N-2)) + B_{\bar{N}}\left(2N+4404 - \left(\frac{15N}{7} - \frac{124}{7}\right)\right) + B_{\bar{N}}\left(2N+4404 - \left(\frac{16N}{7} + \frac{165}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4406) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30952}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30663}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 30952) *$$

$$B_{\bar{N}}(2N+4405) = B_{\bar{N}}(2N+4405 - B_{\bar{N}}(2N+4404)) + B_{\bar{N}}(2N+4405 - B_{\bar{N}}(2N+4403)) + B_{\bar{N}}(2N+4405 - B_{\bar{N}}(2N+4405))$$

$$= B_{\bar{N}}(2N+4405-7) + B_{\bar{N}}(2N+4405-(N-2)) + B_{\bar{N}}\left(2N+4405 - \left(\frac{15N}{7} - \frac{124}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4398) + B_{\bar{N}}(N+4407) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30959}{7}\right) = (162N+101074) + (2N+1303) + 0 = 164N+102377$$

$$(N \ge 30959) *$$

$$B_{\bar{N}}(2N+4406) = B_{\bar{N}}(2N+4406-B_{\bar{N}}(2N+4405)) + B_{\bar{N}}(2N+4406-B_{\bar{N}}(2N+4404)) + B_{\bar{N}}(2N+4406-B_{\bar{N}}(2N+4403))$$

$$= B_{\bar{N}}(2N+4406-(164N+102377)) + B_{\bar{N}}(2N+4406-7) + B_{\bar{N}}(2N+4406-(N-2))$$

$$= B_{\bar{N}}(-162N-97971) + B_{\bar{N}}(2N+4399) + B_{\bar{N}}(N+4408) = 0 + (162N+46414) + (2N+622) = 164N+47036$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4407) = B_{\bar{N}}(2N+4407 - B_{\bar{N}}(2N+4406)) + B_{\bar{N}}(2N+4407 - B_{\bar{N}}(2N+4405)) + B_{\bar{N}}(2N+4407 - B_{\bar{N}}(2N+4404))$$

$$= B_{\bar{N}}(2N+4407 - (164N+47036)) + B_{\bar{N}}(2N+4407 - (164N+102377)) + B_{\bar{N}}(2N+4407 - 7)$$

$$= B_{\bar{N}}(-162N-42629) + B_{\bar{N}}(-162N-97970) + B_{\bar{N}}(2N+4400) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4408) = B_{\bar{N}}(2N+4408-B_{\bar{N}}(2N+4407)) + B_{\bar{N}}(2N+4408-B_{\bar{N}}(2N+4406)) + B_{\bar{N}}(2N+4408-B_{\bar{N}}(2N+4405))$$

$$= B_{\bar{N}}(2N+4408-4472) + B_{\bar{N}}(2N+4408-(164N+47036)) + B_{\bar{N}}(2N+4408-(164N+102377))$$

$$= B_{\bar{N}}(2N-64) + B_{\bar{N}}(-162N-42628) + B_{\bar{N}}(-162N-97969) = \left(\frac{16N}{7} + \frac{179}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{179}{7}$$

$$(N \ge 131)$$

$$B_{\bar{N}}(2N+4409) = B_{\bar{N}}(2N+4409 - B_{\bar{N}}(2N+4408)) + B_{\bar{N}}(2N+4409 - B_{\bar{N}}(2N+4407)) + B_{\bar{N}}(2N+4409 - B_{\bar{N}}(2N+4409))$$

$$= B_{\bar{N}}\left(2N+4409 - \left(\frac{16N}{7} + \frac{179}{7}\right)\right) + B_{\bar{N}}(2N+4409 - 4472) + B_{\bar{N}}(2N+4409 - (164N+47036))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30684}{7}\right) + B_{\bar{N}}(2N-63) + B_{\bar{N}}(-162N-42627) = 0 + \left(\frac{15N}{7} - \frac{117}{7}\right) + 0 = \frac{15N}{7} - \frac{117}{7}$$

$$(N \ge 15342)$$

$$B_{\bar{N}}(2N+4410) = B_{\bar{N}}(2N+4410 - B_{\bar{N}}(2N+4409)) + B_{\bar{N}}(2N+4410 - B_{\bar{N}}(2N+4408)) + B_{\bar{N}}(2N+4410 - B_{\bar{N}}(2N+4407))$$

$$= B_{\bar{N}}\left(2N+4410 - \left(\frac{15N}{7} - \frac{117}{7}\right)\right) + B_{\bar{N}}\left(2N+4410 - \left(\frac{16N}{7} + \frac{179}{7}\right)\right) + B_{\bar{N}}(2N+4410 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{30987}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30691}{7}\right) + B_{\bar{N}}(2N-62) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 30987) *$$

$$B_{\bar{N}}(2N+4411) = B_{\bar{N}}(2N+4411 - B_{\bar{N}}(2N+4410)) + B_{\bar{N}}(2N+4411 - B_{\bar{N}}(2N+4409)) + B_{\bar{N}}(2N+4411 - B_{\bar{N}}(2N+4408))$$

$$= B_{\bar{N}}(2N+4411 - (N-2)) + B_{\bar{N}}\left(2N+4411 - \left(\frac{15N}{7} - \frac{117}{7}\right)\right) + B_{\bar{N}}\left(2N+4411 - \left(\frac{16N}{7} + \frac{179}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4413) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{30994}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30698}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 30994) *$$

$$B_{\bar{N}}(2N+4412) = B_{\bar{N}}(2N+4412 - B_{\bar{N}}(2N+4411)) + B_{\bar{N}}(2N+4412 - B_{\bar{N}}(2N+4410)) + B_{\bar{N}}(2N+4412 - B_{\bar{N}}(2N+412 - B_{\bar{$$

$$B_{\bar{N}}(2N+4413) = B_{\bar{N}}(2N+4413-B_{\bar{N}}(2N+4412)) + B_{\bar{N}}(2N+4413-B_{\bar{N}}(2N+4411)) + B_{\bar{N}}(2N+4413-B_{\bar{N}}(2N+4410))$$

$$= B_{\bar{N}}(2N+4413-(166N+103682)) + B_{\bar{N}}(2N+4413-7) + B_{\bar{N}}(2N+4413-(N-2))$$

$$= B_{\bar{N}}(-164N-99269) + B_{\bar{N}}(2N+4406) + B_{\bar{N}}(N+4415) = 0 + (164N+47036) + (2N+623) = 166N+47659$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4414) = B_{\bar{N}}(2N+4414-B_{\bar{N}}(2N+4413)) + B_{\bar{N}}(2N+4414-B_{\bar{N}}(2N+4412)) + B_{\bar{N}}(2N+4414-B_{\bar{N}}(2N+4411))$$

$$= B_{\bar{N}}(2N+4414-(166N+47659)) + B_{\bar{N}}(2N+4414-(166N+103682)) + B_{\bar{N}}(2N+4414-7)$$

$$= B_{\bar{N}}(-164N-43245) + B_{\bar{N}}(-164N-99268) + B_{\bar{N}}(2N+4407) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4415) = B_{\bar{N}}(2N+4415 - B_{\bar{N}}(2N+4414)) + B_{\bar{N}}(2N+4415 - B_{\bar{N}}(2N+4413)) + B_{\bar{N}}(2N+4415 - B_{\bar{N}}(2N+4412))$$

$$= B_{\bar{N}}(2N+4415 - 4472) + B_{\bar{N}}(2N+4415 - (166N+47659)) + B_{\bar{N}}(2N+4415 - (166N+103682))$$

$$= B_{\bar{N}}(2N-57) + B_{\bar{N}}(-164N-43244) + B_{\bar{N}}(-164N-99267) = \left(\frac{16N}{7} + \frac{193}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{193}{7}$$

$$(N \ge 124)$$

$$B_{\bar{N}}(2N+4416) = B_{\bar{N}}(2N+4416 - B_{\bar{N}}(2N+4415)) + B_{\bar{N}}(2N+4416 - B_{\bar{N}}(2N+4414)) + B_{\bar{N}}(2N+4416 - B_{\bar{N}}(2N+4413))$$

$$= B_{\bar{N}}\left(2N+4416 - \left(\frac{16N}{7} + \frac{193}{7}\right)\right) + B_{\bar{N}}(2N+4416 - 4472) + B_{\bar{N}}(2N+4416 - (166N+47659))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30719}{7}\right) + B_{\bar{N}}(2N-56) + B_{\bar{N}}(-164N-43243) = 0 + \left(\frac{15N}{7} - \frac{110}{7}\right) + 0 = \frac{15N}{7} - \frac{110}{7}$$

$$(N > 15360)$$

$$B_{\bar{N}}(2N+4417) = B_{\bar{N}}(2N+4417 - B_{\bar{N}}(2N+4416)) + B_{\bar{N}}(2N+4417 - B_{\bar{N}}(2N+4415)) + B_{\bar{N}}(2N+4417 - B_{\bar{N}}(2N+4414))$$

$$= B_{\bar{N}}\left(2N+4417 - \left(\frac{15N}{7} - \frac{110}{7}\right)\right) + B_{\bar{N}}\left(2N+4417 - \left(\frac{16N}{7} + \frac{193}{7}\right)\right) + B_{\bar{N}}(2N+4417 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31029}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30726}{7}\right) + B_{\bar{N}}(2N-55) = 0 + 0 + (N-2) = N-2$$

$$(N > 31029) *$$

$$B_{\bar{N}}(2N+4418) = B_{\bar{N}}(2N+4418-B_{\bar{N}}(2N+4417)) + B_{\bar{N}}(2N+4418-B_{\bar{N}}(2N+4416)) + B_{\bar{N}}(2N+4418-B_{\bar{N}}(2N+4418))$$

$$= B_{\bar{N}}(2N+4418-(N-2)) + B_{\bar{N}}\left(2N+4418-\left(\frac{15N}{7}-\frac{110}{7}\right)\right) + B_{\bar{N}}\left(2N+4418-\left(\frac{16N}{7}+\frac{193}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4420) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{31036}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30733}{7}\right) = 7+0+0=7$$

$$(N \ge 31036) *$$

$$B_{\bar{N}}(2N+4419) = B_{\bar{N}}(2N+4419 - B_{\bar{N}}(2N+4418)) + B_{\bar{N}}(2N+4419 - B_{\bar{N}}(2N+4417)) + B_{\bar{N}}(2N+4419 - B_{\bar{N}}(2N+4419))$$

$$= B_{\bar{N}}(2N+4419-7) + B_{\bar{N}}(2N+4419 - (N-2)) + B_{\bar{N}}\left(2N+4419 - \left(\frac{15N}{7} - \frac{110}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4412) + B_{\bar{N}}(N+4421) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31043}{7}\right) = (166N+103682) + (2N+1307) + 0 = 168N+104989$$

$$(N \ge 31043) *$$

$$B_{\bar{N}}(2N+4420) = B_{\bar{N}}(2N+4420-B_{\bar{N}}(2N+4419)) + B_{\bar{N}}(2N+4420-B_{\bar{N}}(2N+4418)) + B_{\bar{N}}(2N+4420-B_{\bar{N}}(2N+4417))$$

$$= B_{\bar{N}}(2N+4420-(168N+104989)) + B_{\bar{N}}(2N+4420-7) + B_{\bar{N}}(2N+4420-(N-2))$$

$$= B_{\bar{N}}(-166N-100569) + B_{\bar{N}}(2N+4413) + B_{\bar{N}}(N+4422) = 0 + (166N+47659) + (2N+624) = 168N+48283$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4421) &= B_{\bar{N}}(2N+4421-B_{\bar{N}}(2N+4420)) + B_{\bar{N}}(2N+4421-B_{\bar{N}}(2N+4419)) + B_{\bar{N}}(2N+4421-B_{\bar{N}}(2N+4418)) \\ &= B_{\bar{N}}(2N+4421-(168N+48283)) + B_{\bar{N}}(2N+4421-(168N+104989)) + B_{\bar{N}}(2N+4421-7) \\ &= B_{\bar{N}}(-166N-43862) + B_{\bar{N}}(-166N-100568) + B_{\bar{N}}(2N+4414) = 0 + 0 + 4472 = 4472 \\ &\quad (N \geq 1) \end{split}$$

$$B_{\bar{N}}(2N+4422) = B_{\bar{N}}(2N+4422 - B_{\bar{N}}(2N+4421)) + B_{\bar{N}}(2N+4422 - B_{\bar{N}}(2N+4420)) + B_{\bar{N}}(2N+4422 - B_{\bar{N}}(2N+4419))$$

$$= B_{\bar{N}}(2N+4422 - 4472) + B_{\bar{N}}(2N+4422 - (168N+48283)) + B_{\bar{N}}(2N+4422 - (168N+104989))$$

$$= B_{\bar{N}}(2N-50) + B_{\bar{N}}(-166N-43861) + B_{\bar{N}}(-166N-100567) = \left(\frac{16N}{7} + \frac{207}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{207}{7}$$

$$(N \ge 117)$$

$$B_{\bar{N}}(2N+4423) = B_{\bar{N}}(2N+4423 - B_{\bar{N}}(2N+4422)) + B_{\bar{N}}(2N+4423 - B_{\bar{N}}(2N+4421)) + B_{\bar{N}}(2N+4423 - B_{\bar{N}}(2N+4423))$$

$$= B_{\bar{N}}\left(2N+4423 - \left(\frac{16N}{7} + \frac{207}{7}\right)\right) + B_{\bar{N}}(2N+4423 - 4472) + B_{\bar{N}}(2N+4423 - (168N+48283))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30754}{7}\right) + B_{\bar{N}}(2N-49) + B_{\bar{N}}(-166N-43860) = 0 + \left(\frac{15N}{7} - \frac{103}{7}\right) + 0 = \frac{15N}{7} - \frac{103}{7}$$

$$(N \ge 15377)$$

$$B_{\bar{N}}(2N+4424) = B_{\bar{N}}(2N+4424 - B_{\bar{N}}(2N+4423)) + B_{\bar{N}}(2N+4424 - B_{\bar{N}}(2N+4424)) + B_{\bar{N}}(2N+4424 - B_{\bar{N}}(2N+4424))$$

$$= B_{\bar{N}}\left(2N+4424 - \left(\frac{15N}{7} - \frac{103}{7}\right)\right) + B_{\bar{N}}\left(2N+4424 - \left(\frac{16N}{7} + \frac{207}{7}\right)\right) + B_{\bar{N}}(2N+4424 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31071}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30761}{7}\right) + B_{\bar{N}}(2N-48) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31071) *$$

$$B_{\bar{N}}(2N+4425) = B_{\bar{N}}(2N+4425 - B_{\bar{N}}(2N+4424)) + B_{\bar{N}}(2N+4425 - B_{\bar{N}}(2N+4423)) + B_{\bar{N}}(2N+4425 - B_{\bar{N}}(2N+4425))$$

$$= B_{\bar{N}}(2N+4425 - (N-2)) + B_{\bar{N}}\left(2N+4425 - \left(\frac{15N}{7} - \frac{103}{7}\right)\right) + B_{\bar{N}}\left(2N+4425 - \left(\frac{16N}{7} + \frac{207}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4427) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31078}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30768}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 31078) *$$

$$B_{\bar{N}}(2N+4426) = B_{\bar{N}}(2N+4426-B_{\bar{N}}(2N+4425)) + B_{\bar{N}}(2N+4426-B_{\bar{N}}(2N+4424)) + B_{\bar{N}}(2N+4426-B_{\bar{N}}(2N+4426))$$

$$= B_{\bar{N}}(2N+4426-7) + B_{\bar{N}}(2N+4426-(N-2)) + B_{\bar{N}}\left(2N+4426-\left(\frac{15N}{7}-\frac{103}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4419) + B_{\bar{N}}(N+4428) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{31085}{7}\right) = (168N+104989) + (2N+1309) + 0 = 170N+106298$$

$$(N \ge 31085) *$$

$$B_{\bar{N}}(2N+4427) = B_{\bar{N}}(2N+4427-B_{\bar{N}}(2N+4426)) + B_{\bar{N}}(2N+4427-B_{\bar{N}}(2N+4425)) + B_{\bar{N}}(2N+4427-B_{\bar{N}}(2N+4424))$$

$$= B_{\bar{N}}(2N+4427-(170N+106298)) + B_{\bar{N}}(2N+4427-7) + B_{\bar{N}}(2N+4427-(N-2))$$

$$= B_{\bar{N}}(-168N-101871) + B_{\bar{N}}(2N+4420) + B_{\bar{N}}(N+4429) = 0 + (168N+48283) + (2N+625) = 170N+48908$$

$$(N \ge 1)$$

$$\begin{split} B_{\bar{N}}(2N+4428) &= B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4427)) + B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4426)) + B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}}(2N+4428-B_{\bar{N}$$

$$B_{\bar{N}}(2N+4429) = B_{\bar{N}}(2N+4429 - B_{\bar{N}}(2N+4428)) + B_{\bar{N}}(2N+4429 - B_{\bar{N}}(2N+4427)) + B_{\bar{N}}(2N+4429 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4430) = B_{\bar{N}}(2N+4430 - B_{\bar{N}}(2N+4429)) + B_{\bar{N}}(2N+4430 - B_{\bar{N}}(2N+4428)) + B_{\bar{N}}(2N+4430 - B_{\bar{N}}(2N+4427))$$

$$= B_{\bar{N}}\left(2N+4430 - \left(\frac{16N}{7} + \frac{221}{7}\right)\right) + B_{\bar{N}}(2N+4430 - 4472) + B_{\bar{N}}(2N+4430 - (170N+48908))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30789}{7}\right) + B_{\bar{N}}(2N-42) + B_{\bar{N}}(-168N-44478) = 0 + \left(\frac{15N}{7} - \frac{96}{7}\right) + 0 = \frac{15N}{7} - \frac{96}{7}$$

$$(N \ge 15395)$$

$$B_{\bar{N}}(2N+4431) = B_{\bar{N}}(2N+4431 - B_{\bar{N}}(2N+4430)) + B_{\bar{N}}(2N+4431 - B_{\bar{N}}$$

$$B_{\bar{N}}(2N+4432) = B_{\bar{N}}(2N+4432 - B_{\bar{N}}(2N+4431)) + B_{\bar{N}}(2N+4432 - B_{\bar{N}}(2N+4430)) + B_{\bar{N}}(2N+4432 - B_{\bar{N}}(2N+4432))$$

$$= B_{\bar{N}}(2N+4432 - (N-2)) + B_{\bar{N}}\left(2N+4432 - \left(\frac{15N}{7} - \frac{96}{7}\right)\right) + B_{\bar{N}}\left(2N+4432 - \left(\frac{16N}{7} + \frac{221}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4434) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31120}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30803}{7}\right) = 7 + 0 + 0 = 7$$

$$(N > 31120) *$$

$$B_{\bar{N}}(2N+4433) = B_{\bar{N}}(2N+4433 - B_{\bar{N}}(2N+4432)) + B_{\bar{N}}(2N+4433 - B_{\bar{N}}(2N+4431)) + B_{\bar{N}}(2N+4433 - B_{\bar{N}}(2N+4433))$$

$$= B_{\bar{N}}(2N+4433-7) + B_{\bar{N}}(2N+4433-(N-2)) + B_{\bar{N}}\left(2N+4433 - \left(\frac{15N}{7} - \frac{96}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4426) + B_{\bar{N}}(N+4435) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31127}{7}\right) = (170N+106298) + (2N+1311) + 0 = 172N+107609$$

$$(N \ge 31127) *$$

$$B_{\bar{N}}(2N+4434) = B_{\bar{N}}(2N+4434-B_{\bar{N}}(2N+4433)) + B_{\bar{N}}(2N+4434-B_{\bar{N}}(2N+4432)) + B_{\bar{N}}(2N+4434-B_{\bar{N}}(2N+4431))$$

$$= B_{\bar{N}}(2N+4434-(172N+107609)) + B_{\bar{N}}(2N+4434-7) + B_{\bar{N}}(2N+4434-(N-2))$$

$$= B_{\bar{N}}(-170N-103175) + B_{\bar{N}}(2N+4427) + B_{\bar{N}}(N+4436) = 0 + (170N+48908) + (2N+626) = 172N+49534$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4435) = B_{\bar{N}}(2N+4435-B_{\bar{N}}(2N+4434)) + B_{\bar{N}}(2N+4435-B_{\bar{N}}(2N+4433)) + B_{\bar{N}}(2N+4435-B_{\bar{N}}(2N+4435))$$

$$= B_{\bar{N}}(2N+4435-(172N+49534)) + B_{\bar{N}}(2N+4435-(172N+107609)) + B_{\bar{N}}(2N+4435-7)$$

$$= B_{\bar{N}}(-170N-45099) + B_{\bar{N}}(-170N-103174) + B_{\bar{N}}(2N+4428) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4436) = B_{\bar{N}}(2N+4436 - B_{\bar{N}}(2N+4435)) + B_{\bar{N}}(2N+4436 - B_{\bar{N}}(2N+4434)) + B_{\bar{N}}(2N+4436 - B_{\bar{N}}(2N+4436))$$

$$= B_{\bar{N}}(2N+4436 - 4472) + B_{\bar{N}}(2N+4436 - (172N+49534)) + B_{\bar{N}}(2N+4436 - (172N+107609))$$

$$= B_{\bar{N}}(2N-36) + B_{\bar{N}}(-170N-45098) + B_{\bar{N}}(-170N-103173) = \left(\frac{16N}{7} + \frac{235}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{235}{7}$$

$$(N > 103)$$

$$B_{\bar{N}}(2N+4437) = B_{\bar{N}}(2N+4437 - B_{\bar{N}}(2N+4436)) + B_{\bar{N}}(2N+4437 - B_{\bar{N}}(2N+4435)) + B_{\bar{N}}(2N+4437 - B_{\bar{N}}(2N+4434))$$

$$= B_{\bar{N}}\left(2N+4437 - \left(\frac{16N}{7} + \frac{235}{7}\right)\right) + B_{\bar{N}}(2N+4437 - 4472) + B_{\bar{N}}(2N+4437 - (172N+49534))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30824}{7}\right) + B_{\bar{N}}(2N-35) + B_{\bar{N}}(-170N-45097) = 0 + \left(\frac{15N}{7} - \frac{89}{7}\right) + 0 = \frac{15N}{7} - \frac{89}{7}$$

$$(N > 15412)$$

$$B_{\bar{N}}(2N+4438) = B_{\bar{N}}(2N+4438-B_{\bar{N}}(2N+4437)) + B_{\bar{N}}(2N+4438-B_{\bar{N}}(2N+4436)) + B_{\bar{N}}(2N+4438-B_{\bar{N}}(2N+4438))$$

$$= B_{\bar{N}}\left(2N+4438-\left(\frac{15N}{7}-\frac{89}{7}\right)\right) + B_{\bar{N}}\left(2N+4438-\left(\frac{16N}{7}+\frac{235}{7}\right)\right) + B_{\bar{N}}(2N+4438-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{31155}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30831}{7}\right) + B_{\bar{N}}(2N-34) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31155) *$$

$$B_{\bar{N}}(2N+4439) = B_{\bar{N}}(2N+4439 - B_{\bar{N}}(2N+4438)) + B_{\bar{N}}(2N+4439 - B_{\bar{N}}(2N+4437)) + B_{\bar{N}}(2N+4439 - B_{\bar{N}}(2N+4439))$$

$$= B_{\bar{N}}(2N+4439 - (N-2)) + B_{\bar{N}}\left(2N+4439 - \left(\frac{15N}{7} - \frac{89}{7}\right)\right) + B_{\bar{N}}\left(2N+4439 - \left(\frac{16N}{7} + \frac{235}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4441) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31162}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30838}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 31162) *$$

$$B_{\bar{N}}(2N+4440) = B_{\bar{N}}(2N+4440 - B_{\bar{N}}(2N+4439)) + B_{\bar{N}}(2N+4440 - B_{\bar{N}}(2N+4438)) + B_{\bar{N}}(2N+4440 - B_{\bar{N}}(2N+4437))$$

$$= B_{\bar{N}}(2N+4440 - 7) + B_{\bar{N}}(2N+4440 - (N-2)) + B_{\bar{N}}\left(2N+4440 - \left(\frac{15N}{7} - \frac{89}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4433) + B_{\bar{N}}(N+4442) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31169}{7}\right) = (172N+107609) + (2N+1313) + 0 = 174N + 108922$$

$$(N \ge 31169) *$$

$$B_{\bar{N}}(2N+4441) = B_{\bar{N}}(2N+4441 - B_{\bar{N}}(2N+4440)) + B_{\bar{N}}(2N+4441 - B_{\bar{N}}(2N+4439)) + B_{\bar{N}}(2N+4441 - B_{\bar{N}}(2N+4438))$$

$$= B_{\bar{N}}(2N+4441 - (174N+108922)) + B_{\bar{N}}(2N+4441 - 7) + B_{\bar{N}}(2N+4441 - (N-2))$$

$$= B_{\bar{N}}(-172N-104481) + B_{\bar{N}}(2N+4434) + B_{\bar{N}}(N+4443) = 0 + (172N+49534) + (2N+627) = 174N+50161$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4442) = B_{\bar{N}}(2N+4442 - B_{\bar{N}}(2N+4441)) + B_{\bar{N}}(2N+4442 - B_{\bar{N}}(2N+4440)) + B_{\bar{N}}(2N+4442 - B_{\bar{N}}(2N+4439))$$

$$= B_{\bar{N}}(2N+4442 - (174N+50161)) + B_{\bar{N}}(2N+4442 - (174N+108922)) + B_{\bar{N}}(2N+4442 - 7)$$

$$= B_{\bar{N}}(-172N-45719) + B_{\bar{N}}(-172N-104480) + B_{\bar{N}}(2N+4435) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4443) = B_{\bar{N}}(2N+4443 - B_{\bar{N}}(2N+4442)) + B_{\bar{N}}(2N+4443 - B_{\bar{N}}(2N+4441)) + B_{\bar{N}}(2N+4443 - B_{\bar{N}}(2N+4440))$$

$$= B_{\bar{N}}(2N+4443 - 4472) + B_{\bar{N}}(2N+4443 - (174N+50161)) + B_{\bar{N}}(2N+4443 - (174N+108922))$$

$$= B_{\bar{N}}(2N-29) + B_{\bar{N}}(-172N-45718) + B_{\bar{N}}(-172N-104479) = \left(\frac{16N}{7} + \frac{249}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{249}{7}$$

$$(N \ge 96)$$

$$B_{\bar{N}}(2N+4444) = B_{\bar{N}}(2N+4444 - B_{\bar{N}}(2N+4443)) + B_{\bar{N}}(2N+4444 - B_{\bar{N}}(2N+4442)) + B_{\bar{N}}(2N+4444 - B_{\bar{N}}(2N+4441))$$

$$= B_{\bar{N}}\left(2N+4444 - \left(\frac{16N}{7} + \frac{249}{7}\right)\right) + B_{\bar{N}}(2N+4444 - 4472) + B_{\bar{N}}(2N+4444 - (174N+50161))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30859}{7}\right) + B_{\bar{N}}(2N-28) + B_{\bar{N}}(-172N-45717) = 0 + \left(\frac{15N}{7} - \frac{82}{7}\right) + 0 = \frac{15N}{7} - \frac{82}{7}$$

$$(N \ge 15430)$$

$$B_{\bar{N}}(2N+4445) = B_{\bar{N}}(2N+4445 - B_{\bar{N}}(2N+4444)) + B_{\bar{N}}(2N+4445 - B_{\bar{N}}(2N+4443)) + B_{\bar{N}}(2N+4445 - B_{\bar{N}}(2N+4445))$$

$$= B_{\bar{N}}\left(2N+4445 - \left(\frac{15N}{7} - \frac{82}{7}\right)\right) + B_{\bar{N}}\left(2N+4445 - \left(\frac{16N}{7} + \frac{249}{7}\right)\right) + B_{\bar{N}}(2N+4445 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31197}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30866}{7}\right) + B_{\bar{N}}(2N-27) = 0 + 0 + (N-2) = N-2$$

$$(N > 31197) *$$

$$B_{\bar{N}}(2N+4446) = B_{\bar{N}}(2N+4446 - B_{\bar{N}}(2N+4445)) + B_{\bar{N}}(2N+4446 - B_{\bar{N}}(2N+4446)) + B_{\bar{N}}(2N+4446 - B_{\bar{N}}(2N+4446))$$

$$= B_{\bar{N}}(2N+4446 - (N-2)) + B_{\bar{N}}\left(2N+4446 - \left(\frac{15N}{7} - \frac{82}{7}\right)\right) + B_{\bar{N}}\left(2N+4446 - \left(\frac{16N}{7} + \frac{249}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4448) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31204}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30873}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 31204) *$$

$$B_{\bar{N}}(2N+4447) = B_{\bar{N}}(2N+4447 - B_{\bar{N}}(2N+4446)) + B_{\bar{N}}(2N+4447 - B_{\bar{N}}(2N+4445)) + B_{\bar{N}}(2N+4447 - B_{\bar{N}}(2N+4447))$$

$$= B_{\bar{N}}(2N+4447-7) + B_{\bar{N}}(2N+4447-(N-2)) + B_{\bar{N}}\left(2N+4447 - \left(\frac{15N}{7} - \frac{82}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4440) + B_{\bar{N}}(N+4449) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31211}{7}\right) = (174N+108922) + (2N+1315) + 0 = 176N+110237$$

$$(N \ge 31211) *$$

$$B_{\bar{N}}(2N+4448) = B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4447)) + B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4446)) + B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2N+4448-B_{\bar{N}}(2$$

$$\begin{split} B_{\bar{N}}(2N+4449) &= B_{\bar{N}}(2N+4449 - B_{\bar{N}}(2N+4448)) + B_{\bar{N}}(2N+4449 - B_{\bar{N}}(2N+4447)) + B_{\bar{N}}(2N+4449 - B_{$$

$$B_{\bar{N}}(2N+4450) = B_{\bar{N}}(2N+4450 - B_{\bar{N}}(2N+4449)) + B_{\bar{N}}(2N+4450 - B_{\bar{N}}(2N+4448)) + B_{\bar{N}}(2N+4450 - B_{\bar{N}}(2N+4447))$$

$$= B_{\bar{N}}(2N+4450 - 4472) + B_{\bar{N}}(2N+4450 - (176N+50789)) + B_{\bar{N}}(2N+4450 - (176N+110237))$$

$$= B_{\bar{N}}(2N-22) + B_{\bar{N}}(-174N-46339) + B_{\bar{N}}(-174N-105787) = \left(\frac{16N}{7} + \frac{263}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{263}{7}$$

$$(N \ge 89)$$

$$B_{\bar{N}}(2N+4451) = B_{\bar{N}}(2N+4451 - B_{\bar{N}}(2N+4450)) + B_{\bar{N}}(2N+4451 - B_{\bar{N}}(2N+4451) + B_{\bar{N}}(2N+4451 - B_{\bar{N}}(2N+4451)) + B_{\bar{N}}(2N+4451) + B_{\bar{$$

$$B_{\bar{N}}(2N+4452) = B_{\bar{N}}(2N+4452 - B_{\bar{N}}(2N+4451)) + B_{\bar{N}}(2N+4452 - B_{\bar{N}}(2N+4450)) + B_{\bar{N}}(2N+4452 - B_{\bar{N}}(2N+4452))$$

$$= B_{\bar{N}}\left(2N+4452 - \left(\frac{15N}{7} - \frac{75}{7}\right)\right) + B_{\bar{N}}\left(2N+4452 - \left(\frac{16N}{7} + \frac{263}{7}\right)\right) + B_{\bar{N}}(2N+4452 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31239}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30901}{7}\right) + B_{\bar{N}}(2N-20) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31239) *$$

$$B_{\bar{N}}(2N+4453) = B_{\bar{N}}(2N+4453 - B_{\bar{N}}(2N+4452)) + B_{\bar{N}}(2N+4453 - B_{\bar{N}}(2N+4451)) + B_{\bar{N}}(2N+4453 - B_{\bar{N}}(2N+4450))$$

$$= B_{\bar{N}}(2N+4453 - (N-2)) + B_{\bar{N}}\left(2N+4453 - \left(\frac{15N}{7} - \frac{75}{7}\right)\right) + B_{\bar{N}}\left(2N+4453 - \left(\frac{16N}{7} + \frac{263}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4455) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31246}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30908}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 31246) *$$

$$B_{\bar{N}}(2N+4454) = B_{\bar{N}}(2N+4454-B_{\bar{N}}(2N+4453)) + B_{\bar{N}}(2N+4454-B_{\bar{N}}(2N+4452)) + B_{\bar{N}}(2N+4454-B_{\bar{N}}(2N+4454))$$

$$= B_{\bar{N}}(2N+4454-7) + B_{\bar{N}}(2N+4454-(N-2)) + B_{\bar{N}}\left(2N+4454-\left(\frac{15N}{7}-\frac{75}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4447) + B_{\bar{N}}(N+4456) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{31253}{7}\right) = (176N+110237) + (2N+1317) + 0 = 178N+111554$$

$$(N \ge 31253) *$$

$$B_{\bar{N}}(2N+4455) = B_{\bar{N}}(2N+4455-B_{\bar{N}}(2N+4454)) + B_{\bar{N}}(2N+4455-B_{\bar{N}}(2N+4453)) + B_{\bar{N}}(2N+4455-B_{\bar{N}}(2N+4455))$$

$$= B_{\bar{N}}(2N+4455-(178N+111554)) + B_{\bar{N}}(2N+4455-7) + B_{\bar{N}}(2N+4455-(N-2))$$

$$= B_{\bar{N}}(-176N-107099) + B_{\bar{N}}(2N+4448) + B_{\bar{N}}(N+4457) = 0 + (176N+50789) + (2N+629) = 178N+51418$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4456) = B_{\bar{N}}(2N+4456-B_{\bar{N}}(2N+4455)) + B_{\bar{N}}(2N+4456-B_{\bar{N}}(2N+4454)) + B_{\bar{N}}(2N+4456-B_{\bar{N}}(2N+4456))$$

$$= B_{\bar{N}}(2N+4456-(178N+51418)) + B_{\bar{N}}(2N+4456-(178N+111554)) + B_{\bar{N}}(2N+4456-7)$$

$$= B_{\bar{N}}(-176N-46962) + B_{\bar{N}}(-176N-107098) + B_{\bar{N}}(2N+4449) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4457) = B_{\bar{N}}(2N+4457 - B_{\bar{N}}(2N+4456)) + B_{\bar{N}}(2N+4457 - B_{\bar{N}}(2N+4457)) + B_{\bar{N}}(2N+4457 - B_{\bar{N}}(2N+4454))$$

$$= B_{\bar{N}}(2N+4457 - 4472) + B_{\bar{N}}(2N+4457 - (178N+51418)) + B_{\bar{N}}(2N+4457 - (178N+111554))$$

$$= B_{\bar{N}}(2N-15) + B_{\bar{N}}(-176N-46961) + B_{\bar{N}}(-176N-107097) = \left(\frac{16N}{7} + \frac{277}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{277}{7}$$

$$(N > 82)$$

$$B_{\bar{N}}(2N+4458) = B_{\bar{N}}(2N+4458-B_{\bar{N}}(2N+4457)) + B_{\bar{N}}(2N+4458-B_{\bar{N}}(2N+4456)) + B_{\bar{N}}(2N+4458-B_{\bar{N}}(2N+4458))$$

$$= B_{\bar{N}}\left(2N+4458-\left(\frac{16N}{7}+\frac{277}{7}\right)\right) + B_{\bar{N}}(2N+4458-4472) + B_{\bar{N}}(2N+4458-(178N+51418))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30929}{7}\right) + B_{\bar{N}}(2N-14) + B_{\bar{N}}(-176N-46960) = 0 + \left(\frac{15N}{7}-\frac{68}{7}\right) + 0 = \frac{15N}{7}-\frac{68}{7}$$

$$(N \ge 15465)$$

$$B_{\bar{N}}(2N+4459) = B_{\bar{N}}(2N+4459 - B_{\bar{N}}(2N+4458)) + B_{\bar{N}}(2N+4459 - B_{\bar{N}}(2N+4457)) + B_{\bar{N}}(2N+4459 - B_{\bar{N}}(2N+4459))$$

$$= B_{\bar{N}}\left(2N+4459 - \left(\frac{15N}{7} - \frac{68}{7}\right)\right) + B_{\bar{N}}\left(2N+4459 - \left(\frac{16N}{7} + \frac{277}{7}\right)\right) + B_{\bar{N}}(2N+4459 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31281}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30936}{7}\right) + B_{\bar{N}}(2N-13) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31281) *$$

$$B_{\bar{N}}(2N+4460) = B_{\bar{N}}(2N+4460 - B_{\bar{N}}(2N+4459)) + B_{\bar{N}}(2N+4460 - B_{\bar{N}}(2N+4458)) + B_{\bar{N}}(2N+4460 - B_{\bar{N}}(2N+4457))$$

$$= B_{\bar{N}}(2N+4460 - (N-2)) + B_{\bar{N}}\left(2N+4460 - \left(\frac{15N}{7} - \frac{68}{7}\right)\right) + B_{\bar{N}}\left(2N+4460 - \left(\frac{16N}{7} + \frac{277}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4462) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31288}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30943}{7}\right) = 7 + 0 + 0 = 7$$

$$(N \ge 31288) *$$

$$B_{\bar{N}}(2N+4461) = B_{\bar{N}}(2N+4461 - B_{\bar{N}}(2N+4460)) + B_{\bar{N}}(2N+4461 - B_{\bar{N}}(2N+4459)) + B_{\bar{N}}(2N+4461 - B_{\bar{N}}(2N+4458))$$

$$= B_{\bar{N}}(2N+4461-7) + B_{\bar{N}}(2N+4461-(N-2)) + B_{\bar{N}}\left(2N+4461 - \left(\frac{15N}{7} - \frac{68}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4454) + B_{\bar{N}}(N+4463) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31295}{7}\right) = (178N+111554) + (2N+1319) + 0 = 180N+112873$$

$$(N \ge 31295) *$$

$$B_{\bar{N}}(2N+4462) = B_{\bar{N}}(2N+4462-B_{\bar{N}}(2N+4461)) + B_{\bar{N}}(2N+4462-B_{\bar{N}}(2N+4460)) + B_{\bar{N}}(2N+4462-B_{\bar{N}}(2N+4459))$$

$$= B_{\bar{N}}(2N+4462-(180N+112873)) + B_{\bar{N}}(2N+4462-7) + B_{\bar{N}}(2N+4462-(N-2))$$

$$= B_{\bar{N}}(-178N-108411) + B_{\bar{N}}(2N+4455) + B_{\bar{N}}(N+4464) = 0 + (178N+51418) + (2N+630) = 180N+52048$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4463) = B_{\bar{N}}(2N+4463-B_{\bar{N}}(2N+4462)) + B_{\bar{N}}(2N+4463-B_{\bar{N}}(2N+4461)) + B_{\bar{N}}(2N+4463-B_{\bar{N}}(2N+4460))$$

$$= B_{\bar{N}}(2N+4463-(180N+52048)) + B_{\bar{N}}(2N+4463-(180N+112873)) + B_{\bar{N}}(2N+4463-7)$$

$$= B_{\bar{N}}(-178N-47585) + B_{\bar{N}}(-178N-108410) + B_{\bar{N}}(2N+4456) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4464) = B_{\bar{N}}(2N+4464 - B_{\bar{N}}(2N+4463)) + B_{\bar{N}}(2N+4464 - B_{\bar{N}}(2N+4462)) + B_{\bar{N}}(2N+4464 - B_{\bar{N}}(2N+4461))$$

$$= B_{\bar{N}}(2N+4464 - 4472) + B_{\bar{N}}(2N+4464 - (180N+52048)) + B_{\bar{N}}(2N+4464 - (180N+112873))$$

$$= B_{\bar{N}}(2N-8) + B_{\bar{N}}(-178N-47584) + B_{\bar{N}}(-178N-108409) = \left(\frac{16N}{7} + \frac{291}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{291}{7}$$

$$(N > 75)$$

$$B_{\bar{N}}(2N+4465) = B_{\bar{N}}(2N+4465 - B_{\bar{N}}(2N+4464)) + B_{\bar{N}}(2N+4465 - B_{\bar{N}}(2N+4463)) + B_{\bar{N}}(2N+4465 - B_{\bar{N}}(2N+4465))$$

$$= B_{\bar{N}}\left(2N+4465 - \left(\frac{16N}{7} + \frac{291}{7}\right)\right) + B_{\bar{N}}(2N+4465 - 4472) + B_{\bar{N}}(2N+4465 - (180N+52048))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{30964}{7}\right) + B_{\bar{N}}(2N-7) + B_{\bar{N}}(-178N-47583) = 0 + \left(\frac{15N}{7} - \frac{61}{7}\right) + 0 = \frac{15N}{7} - \frac{61}{7}$$

$$(N > 15482)$$

$$B_{\bar{N}}(2N+4466) = B_{\bar{N}}(2N+4466-B_{\bar{N}}(2N+4465)) + B_{\bar{N}}(2N+4466-B_{\bar{N}}(2N+4464)) + B_{\bar{N}}(2N+4466-B_{\bar{N}}(2N+4463))$$

$$= B_{\bar{N}}\left(2N+4466-\left(\frac{15N}{7}-\frac{61}{7}\right)\right) + B_{\bar{N}}\left(2N+4466-\left(\frac{16N}{7}+\frac{291}{7}\right)\right) + B_{\bar{N}}(2N+4466-4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{31323}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{30971}{7}\right) + B_{\bar{N}}(2N-6) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31323) *$$

$$B_{\bar{N}}(2N+4467) = B_{\bar{N}}(2N+4467 - B_{\bar{N}}(2N+4466)) + B_{\bar{N}}(2N+4467 - B_{\bar{N}}(2N+4467)) + B_{\bar{N}}(2N+4467) + B_{\bar$$

$$B_{\bar{N}}(2N+4468) = B_{\bar{N}}(2N+4468-B_{\bar{N}}(2N+4467)) + B_{\bar{N}}(2N+4468-B_{\bar{N}}(2N+4466)) + B_{\bar{N}}(2N+4468-B_{\bar{N}}(2N+4468))$$

$$= B_{\bar{N}}(2N+4468-7) + B_{\bar{N}}(2N+4468-(N-2)) + B_{\bar{N}}\left(2N+4468-\left(\frac{15N}{7}-\frac{61}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4461) + B_{\bar{N}}(N+4470) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{31337}{7}\right) = (180N+112873) + (2N+1321) + 0 = 182N+114194$$

$$(N \ge 31337) *$$

$$B_{\bar{N}}(2N+4469) = B_{\bar{N}}(2N+4469 - B_{\bar{N}}(2N+4468)) + B_{\bar{N}}(2N+4469 - B_{\bar{N}}(2N+4467)) + B_{\bar{N}}(2N+4469 - B_{\bar{N}}(2N+4469))$$

$$= B_{\bar{N}}(2N+4469 - (182N+114194)) + B_{\bar{N}}(2N+4469 - 7) + B_{\bar{N}}(2N+4469 - (N-2))$$

$$= B_{\bar{N}}(-180N-109725) + B_{\bar{N}}(2N+4462) + B_{\bar{N}}(N+4471) = 0 + (180N+52048) + (2N+631) = 182N + 52679$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4470) = B_{\bar{N}}(2N+4470 - B_{\bar{N}}(2N+4469)) + B_{\bar{N}}(2N+4470 - B_{\bar{N}}(2N+4468)) + B_{\bar{N}}(2N+4470 - B_{\bar{N}}(2N+4467))$$

$$= B_{\bar{N}}(2N+4470 - (182N+52679)) + B_{\bar{N}}(2N+4470 - (182N+114194)) + B_{\bar{N}}(2N+4470 - 7)$$

$$= B_{\bar{N}}(-180N - 48209) + B_{\bar{N}}(-180N - 109724) + B_{\bar{N}}(2N+4463) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4471) = B_{\bar{N}}(2N+4471 - B_{\bar{N}}(2N+4470)) + B_{\bar{N}}(2N+4471 - B_{\bar{N}}(2N+4469)) + B_{\bar{N}}(2N+4471 - B_{\bar{N}}(2N+4468))$$

$$= B_{\bar{N}}(2N+4471 - 4472) + B_{\bar{N}}(2N+4471 - (182N+52679)) + B_{\bar{N}}(2N+4471 - (182N+114194))$$

$$= B_{\bar{N}}(2N-1) + B_{\bar{N}}(-180N-48208) + B_{\bar{N}}(-180N-109723) = \left(\frac{16N}{7} + \frac{305}{7}\right) + 0 + 0 = \frac{16N}{7} + \frac{305}{7}$$

$$(N \ge 68)$$

$$B_{\bar{N}}(2N+4472) = B_{\bar{N}}(2N+4472 - B_{\bar{N}}(2N+4471)) + B_{\bar{N}}(2N+4472 - B_{\bar{N}}(2N+4470)) + B_{\bar{N}}(2N+4472 - B_{\bar{N}}(2N+472 - B_{\bar{$$

$$B_{\bar{N}}(2N+4473) = B_{\bar{N}}(2N+4473 - B_{\bar{N}}(2N+4472)) + B_{\bar{N}}(2N+4473 - B_{\bar{N}}(2N+4471)) + B_{\bar{N}}(2N+4473 - B_{\bar{N}}(2N+4470))$$

$$= B_{\bar{N}}\left(2N+4473 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right) + B_{\bar{N}}\left(2N+4473 - \left(\frac{16N}{7} + \frac{305}{7}\right)\right) + B_{\bar{N}}(2N+4473 - 4472)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{31365}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{31006}{7}\right) + B_{\bar{N}}(2N+1) = 0 + 0 + (N-2) = N-2$$

$$(N \ge 31365) *$$

$$B_{\bar{N}}(2N+4474) = B_{\bar{N}}(2N+4474-B_{\bar{N}}(2N+4473)) + B_{\bar{N}}(2N+4474-B_{\bar{N}}(2N+4472)) + B_{\bar{N}}(2N+4474-B_{\bar{N}}(2N+4474))$$

$$= B_{\bar{N}}(2N+4474-(N-2)) + B_{\bar{N}}\left(2N+4474-\left(\frac{15N}{7}-\frac{54}{7}\right)\right) + B_{\bar{N}}\left(2N+4474-\left(\frac{16N}{7}+\frac{305}{7}\right)\right)$$

$$= B_{\bar{N}}(N+4476) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{31372}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7}+\frac{31013}{7}\right) = 7+0+0=7$$

$$(N \ge 31372) *$$

$$B_{\bar{N}}(2N+4475) = B_{\bar{N}}(2N+4475 - B_{\bar{N}}(2N+4474)) + B_{\bar{N}}(2N+4475 - B_{\bar{N}}(2N+4473)) + B_{\bar{N}}(2N+4475 - B_{\bar{N}}(2N+4475))$$

$$= B_{\bar{N}}(2N+4475-7) + B_{\bar{N}}(2N+4475-(N-2)) + B_{\bar{N}}\left(2N+4475 - \left(\frac{15N}{7} - \frac{54}{7}\right)\right)$$

$$= B_{\bar{N}}(2N+4468) + B_{\bar{N}}(N+4477) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{31379}{7}\right) = (182N+114194) + (2N+1323) + 0 = 184N+115517$$

$$(N \ge 31379) *$$

$$B_{\bar{N}}(2N+4476) = B_{\bar{N}}(2N+4476-B_{\bar{N}}(2N+4475)) + B_{\bar{N}}(2N+4476-B_{\bar{N}}(2N+4474)) + B_{\bar{N}}(2N+4476-B_{\bar{N}}(2N+4473))$$

$$= B_{\bar{N}}(2N+4476-(184N+115517)) + B_{\bar{N}}(2N+4476-7) + B_{\bar{N}}(2N+4476-(N-2))$$

$$= B_{\bar{N}}(-182N-111041) + B_{\bar{N}}(2N+4469) + B_{\bar{N}}(N+4478) = 0 + (182N+52679) + (2N+632) = 184N+53311$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4477) = B_{\bar{N}}(2N+4477 - B_{\bar{N}}(2N+4476)) + B_{\bar{N}}(2N+4477 - B_{\bar{N}}(2N+4475)) + B_{\bar{N}}(2N+4477 - B_{\bar{N}}(2N+4474))$$

$$= B_{\bar{N}}(2N+4477 - (184N+53311)) + B_{\bar{N}}(2N+4477 - (184N+115517)) + B_{\bar{N}}(2N+4477 - 7)$$

$$= B_{\bar{N}}(-182N-48834) + B_{\bar{N}}(-182N-111040) + B_{\bar{N}}(2N+4470) = 0 + 0 + 4472 = 4472$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4478) = B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4477)) + B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4476)) + B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+4478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+478-B_{\bar{N}}($$

$$B_{\bar{N}}(2N+4479) = B_{\bar{N}}(2N+4479 - B_{\bar{N}}(2N+4478)) + B_{\bar{N}}(2N+4479 - B_{\bar{N}}(2N+4477)) + B_{\bar{N}}(2N+4479 - B_{\bar{N}}(2N+479 - B_{\bar{N}}(2N+4$$

$$B_{\bar{N}}(2N+4480) = B_{\bar{N}}(2N+4480 - B_{\bar{N}}(2N+4479)) + B_{\bar{N}}(2N+4480 - B_{\bar{N}}(2N+4478)) + B_{\bar{N}}(2N+4480 - B_{\bar{N}}(2N+4477))$$

$$= B_{\bar{N}}(2N+4480 - (2N+10)) + B_{\bar{N}}(2N+4480 - (N+7)) + B_{\bar{N}}(2N+4480 - 4472)$$

$$= B_{\bar{N}}(4470) + B_{\bar{N}}(N+4473) + B_{\bar{N}}(2N+8) = 4470 + 4475 + (N+13) = N + 8958$$

$$(N \ge 4470)$$

$$B_{\bar{N}}(2N+4481) = B_{\bar{N}}(2N+4481-B_{\bar{N}}(2N+4480)) + B_{\bar{N}}(2N+4481-B_{\bar{N}}(2N+4479)) + B_{\bar{N}}(2N+4481-B_{\bar{N}}(2N+4478))$$

$$= B_{\bar{N}}(2N+4481-(N+8958)) + B_{\bar{N}}(2N+4481-(2N+10)) + B_{\bar{N}}(2N+4481-(N+7))$$

$$= B_{\bar{N}}(N-4477) + B_{\bar{N}}(4471) + B_{\bar{N}}(N+4474) = (N-4477) + 4471 + (N+4475) = 2N+4469$$

$$(N \ge 4478)$$

$$B_{\bar{N}}(2N+4482) = B_{\bar{N}}(2N+4482-B_{\bar{N}}(2N+4481)) + B_{\bar{N}}(2N+4482-B_{\bar{N}}(2N+4480)) + B_{\bar{N}}(2N+4482-B_{\bar{N}}(2N+4479))$$

$$= B_{\bar{N}}(2N+4482-(2N+4469)) + B_{\bar{N}}(2N+4482-(N+8958)) + B_{\bar{N}}(2N+4482-(2N+10))$$

$$= B_{\bar{N}}(13) + B_{\bar{N}}(N-4476) + B_{\bar{N}}(4472) = 13 + (N-4476) + 4472 = N+9$$

$$(N \ge 4477)$$

$$B_{\bar{N}}(2N+4483) = B_{\bar{N}}(2N+4483 - B_{\bar{N}}(2N+4482)) + B_{\bar{N}}(2N+4483 - B_{\bar{N}}(2N+4481)) + B_{\bar{N}}(2N+4483 - B_{\bar{N}}(2N+4483))$$

$$= B_{\bar{N}}(2N+4483 - (N+9)) + B_{\bar{N}}(2N+4483 - (2N+4469)) + B_{\bar{N}}(2N+4483 - (N+8958))$$

$$= B_{\bar{N}}(N+4474) + B_{\bar{N}}(14) + B_{\bar{N}}(N-4475) = (N+4475) + 14 + (N-4475) = 2N+14$$

$$(N \ge 4476)$$

$$B_{\bar{N}}(2N+4484) = B_{\bar{N}}(2N+4484-B_{\bar{N}}(2N+4483)) + B_{\bar{N}}(2N+4484-B_{\bar{N}}(2N+4482)) + B_{\bar{N}}(2N+4484-B_{\bar{N}}(2N+4481))$$

$$= B_{\bar{N}}(2N+4484-(2N+14)) + B_{\bar{N}}(2N+4484-(N+9)) + B_{\bar{N}}(2N+4484-(2N+4469))$$

$$= B_{\bar{N}}(4470) + B_{\bar{N}}(N+4475) + B_{\bar{N}}(15) = 4470 + (N+4477) + 15 = N + 8962$$

$$(N \ge 4470)$$

$$B_{\bar{N}}(2N+4485) = B_{\bar{N}}(2N+4485-B_{\bar{N}}(2N+4484)) + B_{\bar{N}}(2N+4485-B_{\bar{N}}(2N+4483)) + B_{\bar{N}}(2N+4485-B_{\bar{N}}(2N+4482))$$

$$= B_{\bar{N}}(2N+4485-(N+8962)) + B_{\bar{N}}(2N+4485-(2N+14)) + B_{\bar{N}}(2N+4485-(N+9))$$

$$= B_{\bar{N}}(N-4477) + B_{\bar{N}}(4471) + B_{\bar{N}}(N+4476) = (N-4477) + 4471 + 7 = N+1$$

$$(N \ge 4478)$$

$$B_{\bar{N}}(2N+4486) = B_{\bar{N}}(2N+4486 - B_{\bar{N}}(2N+4485)) + B_{\bar{N}}(2N+4486 - B_{\bar{N}}(2N+4484)) + B_{\bar{N}}(2N+4486 - B_{\bar{N}}(2N+4486))$$

$$= B_{\bar{N}}(2N+4486 - (N+1)) + B_{\bar{N}}(2N+4486 - (N+8962)) + B_{\bar{N}}(2N+4486 - (2N+14))$$

$$= B_{\bar{N}}(N+4485) + B_{\bar{N}}(N-4476) + B_{\bar{N}}(4472) = (2N+633) + (N-4476) + 4472 = 3N+629$$

$$(N \ge 4477)$$

$$B_{\bar{N}}(2N+4487) = B_{\bar{N}}(2N+4487 - B_{\bar{N}}(2N+4486)) + B_{\bar{N}}(2N+4487 - B_{\bar{N}}(2N+4485)) + B_{\bar{N}}(2N+4487 - B_{\bar{N}}(2N+4484))$$

$$= B_{\bar{N}}(2N+4487 - (3N+629)) + B_{\bar{N}}(2N+4487 - (N+1)) + B_{\bar{N}}(2N+4487 - (N+8962))$$

$$= B_{\bar{N}}(-N+3858) + B_{\bar{N}}(N+4486) + B_{\bar{N}}(N-4475) = 0 + (N-2) + (N-4475) = 2N-4477$$

$$(N \ge 4476)$$

$$B_{\bar{N}}(2N+4488) = B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4487)) + B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4486)) + B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2N+4488-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4489) = B_{\bar{N}}(2N+4489 - B_{\bar{N}}(2N+4488)) + B_{\bar{N}}(2N+4489 - B_{\bar{N}}(2N+4487)) + B_{\bar{N}}(2N+4489 - B_{\bar{N}}(2N+489 - B_{\bar{N}}(2N+489 - B_{\bar{N}}(2N+489 - B_{\bar{N}}($$

$$B_{\bar{N}}(2N+4490) = B_{\bar{N}}(2N+4490 - B_{\bar{N}}(2N+4489)) + B_{\bar{N}}(2N+4490 - B_{\bar{N}}(2N+4488)) + B_{\bar{N}}(2N+4490 - B_{\bar{N}}(2N+4487))$$

$$= B_{\bar{N}}(2N+4490 - (N+3)) + B_{\bar{N}}(2N+4490 - 13454) + B_{\bar{N}}(2N+4490 - (2N-4477))$$

$$= B_{\bar{N}}(N+4487) + B_{\bar{N}}(2N-8964) + B_{\bar{N}}(8967) = 4489 + (2N-8963) + 8967 = 2N+4493$$

$$(N \ge 9031)$$

$$B_{\bar{N}}(2N+4491) = B_{\bar{N}}(2N+4491 - B_{\bar{N}}(2N+4490)) + B_{\bar{N}}(2N+4491 - B_{\bar{N}}(2N+4491)) + B_{\bar{N}}(2N+4491 - B_{\bar{N}}(2N+4491 - B_{\bar{N}}(2N+4491)) + B_{\bar{N}}(2N+4491 - (N+3)) + B_{\bar{N}}(2N+4491 - 13454)$$

$$= B_{\bar{N}}(-2) + B_{\bar{N}}(N+4488) + B_{\bar{N}}(2N-8963) = 0 + (N+4489) + (2N-8961) = 3N-4472$$

$$(N \ge 9030)$$

$$B_{\bar{N}}(2N+4492) = B_{\bar{N}}(2N+4492-B_{\bar{N}}(2N+4491)) + B_{\bar{N}}(2N+4492-B_{\bar{N}}(2N+4490)) + B_{\bar{N}}(2N+4492-B_{\bar{N}}(2N+4492))$$

$$= B_{\bar{N}}(2N+4492-(3N-4472)) + B_{\bar{N}}(2N+4492-(2N+4493)) + B_{\bar{N}}(2N+4492-(N+3))$$

$$= B_{\bar{N}}(-N+8964) + B_{\bar{N}}(-1) + B_{\bar{N}}(N+4489) = 0 + 0 + (N+4491) = N+4491$$

$$(N \ge 8964)$$

$$B_{\bar{N}}(2N+4493) = B_{\bar{N}}(2N+4493-B_{\bar{N}}(2N+4492)) + B_{\bar{N}}(2N+4493-B_{\bar{N}}(2N+4491)) + B_{\bar{N}}(2N+4493-B_{\bar{N}}(2N+4493))$$

$$= B_{\bar{N}}(2N+4493-(N+4491)) + B_{\bar{N}}(2N+4493-(3N-4472)) + B_{\bar{N}}(2N+4493-(2N+4493))$$

$$= B_{\bar{N}}(N+2) + B_{\bar{N}}(-N+8965) + B_{\bar{N}}(0) = (N+1) + 0 + 0 = N+1$$

$$(N > 8965)$$

$$B_{\bar{N}}(2N+4494) = B_{\bar{N}}(2N+4494-B_{\bar{N}}(2N+4493)) + B_{\bar{N}}(2N+4494-B_{\bar{N}}(2N+4492)) + B_{\bar{N}}(2N+4494-B_{\bar{N}}(2N+4491))$$

$$= B_{\bar{N}}(2N+4494-(N+1)) + B_{\bar{N}}(2N+4494-(N+4491)) + B_{\bar{N}}(2N+4494-(3N-4472))$$

$$= B_{\bar{N}}(N+4493) + B_{\bar{N}}(N+3) + B_{\bar{N}}(-N+8966) = (N-2) + (N+2) + 0 = 2N$$

$$(N \ge 8966)$$

$$B_{\bar{N}}(2N+4495) = B_{\bar{N}}(2N+4495-B_{\bar{N}}(2N+4494)) + B_{\bar{N}}(2N+4495-B_{\bar{N}}(2N+4493)) + B_{\bar{N}}(2N+4495-B_{\bar{N}}(2N+4492))$$

$$= B_{\bar{N}}(2N+4495-2N) + B_{\bar{N}}(2N+4495-(N+1)) + B_{\bar{N}}(2N+4495-(N+4491))$$

$$= B_{\bar{N}}(4495) + B_{\bar{N}}(N+4494) + B_{\bar{N}}(N+4) = 4495 + 4496 + (N+3) = N+8994$$

$$(N \ge 4495)$$

$$B_{\bar{N}}(2N+4496) = B_{\bar{N}}(2N+4496 - B_{\bar{N}}(2N+4495)) + B_{\bar{N}}(2N+4496 - B_{\bar{N}}(2N+4494)) + B_{\bar{N}}(2N+4496 - B_{\bar{N}}(2N+4493))$$

$$= B_{\bar{N}}(2N+4496 - (N+8994)) + B_{\bar{N}}(2N+4496 - 2N) + B_{\bar{N}}(2N+4496 - (N+1))$$

$$= B_{\bar{N}}(N-4498) + B_{\bar{N}}(4496) + B_{\bar{N}}(N+4495) = (N-4498) + 4496 + (N+4496) = 2N+4494$$

$$(N \ge 4499)$$

$$B_{\bar{N}}(2N+4497) = B_{\bar{N}}(2N+4497 - B_{\bar{N}}(2N+4496)) + B_{\bar{N}}(2N+4497 - B_{\bar{N}}(2N+4495)) + B_{\bar{N}}(2N+4497 - B_{\bar{N}}(2N+4494))$$

$$= B_{\bar{N}}(2N+4497 - (2N+4494)) + B_{\bar{N}}(2N+4497 - (N+8994)) + B_{\bar{N}}(2N+4497 - 2N)$$

$$= B_{\bar{N}}(3) + B_{\bar{N}}(N-4497) + B_{\bar{N}}(4497) = 3 + (N-4497) + 4497 = N + 3$$

$$(N \ge 4498)$$

$$B_{\bar{N}}(2N+4498) = B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4497)) + B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4496)) + B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2N+4498-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4499) = B_{\bar{N}}(2N+4499 - B_{\bar{N}}(2N+4498)) + B_{\bar{N}}(2N+4499 - B_{\bar{N}}(2N+4497)) + B_{\bar{N}}(2N+4499 - B_{\bar{N}}(2N+4496))$$

$$= B_{\bar{N}}(2N+4499 - (2N+4)) + B_{\bar{N}}(2N+4499 - (N+3)) + B_{\bar{N}}(2N+4499 - (2N+4494))$$

$$= B_{\bar{N}}(4495) + B_{\bar{N}}(N+4496) + B_{\bar{N}}(5) = 4495 + (N+4498) + 5 = N+8998$$

$$(N \ge 4495)$$

$$B_{\bar{N}}(2N+4500) = B_{\bar{N}}(2N+4500 - B_{\bar{N}}(2N+4499)) + B_{\bar{N}}(2N+4500 - B_{\bar{N}}(2N+4498)) + B_{\bar{N}}(2N+4500 - B_{\bar{N}}(2N+4497))$$

$$= B_{\bar{N}}(2N+4500 - (N+8998)) + B_{\bar{N}}(2N+4500 - (2N+4)) + B_{\bar{N}}(2N+4500 - (N+3))$$

$$= B_{\bar{N}}(N-4498) + B_{\bar{N}}(4496) + B_{\bar{N}}(N+4497) = (N-4498) + 4496 + 7 = N+5$$

$$(N \ge 4499)$$

$$B_{\bar{N}}(2N+4501) = B_{\bar{N}}(2N+4501 - B_{\bar{N}}(2N+4500)) + B_{\bar{N}}(2N+4501 - B_{\bar{N}}(2N+4499)) + B_{\bar{N}}(2N+4501 - B_{\bar{N}}(2N+4498))$$

$$= B_{\bar{N}}(2N+4501 - (N+5)) + B_{\bar{N}}(2N+4501 - (N+8998)) + B_{\bar{N}}(2N+4501 - (2N+4))$$

$$= B_{\bar{N}}(N+4496) + B_{\bar{N}}(N-4497) + B_{\bar{N}}(4497) = (N+4498) + (N-4497) + 4497 = 2N+4498$$

$$(N \ge 4498)$$

$$B_{\bar{N}}(2N+4502) = B_{\bar{N}}(2N+4502-B_{\bar{N}}(2N+4501)) + B_{\bar{N}}(2N+4502-B_{\bar{N}}(2N+4500)) + B_{\bar{N}}(2N+4502-B_{\bar{N}}(2N+4499))$$

$$= B_{\bar{N}}(2N+4502-(2N+4498)) + B_{\bar{N}}(2N+4502-(N+5)) + B_{\bar{N}}(2N+4502-(N+8998))$$

$$= B_{\bar{N}}(4) + B_{\bar{N}}(N+4497) + B_{\bar{N}}(N-4496) = 4+7+(N-4496) = N-4485$$

$$(N \ge 4497)$$

$$B_{\bar{N}}(2N+4503) = B_{\bar{N}}(2N+4503-B_{\bar{N}}(2N+4502)) + B_{\bar{N}}(2N+4503-B_{\bar{N}}(2N+4501)) + B_{\bar{N}}(2N+4503-B_{\bar{N}}(2N+4500))$$

$$= B_{\bar{N}}(2N+4503-(N-4485)) + B_{\bar{N}}(2N+4503-(2N+4498)) + B_{\bar{N}}(2N+4503-(N+5))$$

$$= B_{\bar{N}}(N+8988) + B_{\bar{N}}(5) + B_{\bar{N}}(N+4498) = 8990 + 5 + (2N+1329) = 2N + 10324$$

$$(N \ge 5)$$

$$B_{\bar{N}}(2N+4504) = B_{\bar{N}}(2N+4504-B_{\bar{N}}(2N+4503)) + B_{\bar{N}}(2N+4504-B_{\bar{N}}(2N+4502)) + B_{\bar{N}}(2N+4504-B_{\bar{N}}(2N+4501))$$

$$= B_{\bar{N}}(2N+4504-(2N+10324)) + B_{\bar{N}}(2N+4504-(N-4485)) + B_{\bar{N}}(2N+4504-(2N+4498))$$

$$= B_{\bar{N}}(-5820) + B_{\bar{N}}(N+8989) + B_{\bar{N}}(6) = 0 + (N+8990) + 6 = N+8996$$

$$(N \ge 6)$$

$$B_{\bar{N}}(2N+4505) = B_{\bar{N}}(2N+4505-B_{\bar{N}}(2N+4504)) + B_{\bar{N}}(2N+4505-B_{\bar{N}}(2N+4503)) + B_{\bar{N}}(2N+4505-B_{\bar{N}}(2N+4502))$$

$$= B_{\bar{N}}(2N+4505-(N+8996)) + B_{\bar{N}}(2N+4505-(2N+10324)) + B_{\bar{N}}(2N+4505-(N-4485))$$

$$= B_{\bar{N}}(N-4491) + B_{\bar{N}}(-5819) + B_{\bar{N}}(N+8990) = (N-4491) + 0 + (N+8992) = 2N+4501$$

$$(N \ge 4492)$$

$$B_{\bar{N}}(2N+4506) = B_{\bar{N}}(2N+4506-B_{\bar{N}}(2N+4505)) + B_{\bar{N}}(2N+4506-B_{\bar{N}}(2N+4504)) + B_{\bar{N}}(2N+4506-B_{\bar{N}}(2N+4503))$$

$$= B_{\bar{N}}(2N+4506-(2N+4501)) + B_{\bar{N}}(2N+4506-(N+8996)) + B_{\bar{N}}(2N+4506-(2N+10324))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N-4490) + B_{\bar{N}}(-5818) = 5 + (N-4490) + 0 = N-4485$$

$$(N \ge 4491)$$

$$B_{\bar{N}}(2N+4507) = B_{\bar{N}}(2N+4507-B_{\bar{N}}(2N+4506)) + B_{\bar{N}}(2N+4507-B_{\bar{N}}(2N+4505)) + B_{\bar{N}}(2N+4507-B_{\bar{N}}(2N+4504))$$

$$= B_{\bar{N}}(2N+4507-(N-4485)) + B_{\bar{N}}(2N+4507-(2N+4501)) + B_{\bar{N}}(2N+4507-(N+8996))$$

$$= B_{\bar{N}}(N+8992) + B_{\bar{N}}(6) + B_{\bar{N}}(N-4489) = (2N+2613) + 6 + (N-4489) = 3N-1870$$

$$(N \ge 4490)$$

$$B_{\bar{N}}(2N+4508) = B_{\bar{N}}(2N+4508-B_{\bar{N}}(2N+4507)) + B_{\bar{N}}(2N+4508-B_{\bar{N}}(2N+4506)) + B_{\bar{N}}(2N+4508-B_{\bar{N}}(2N+4505))$$

$$= B_{\bar{N}}(2N+4508-(3N-1870)) + B_{\bar{N}}(2N+4508-(N-4485)) + B_{\bar{N}}(2N+4508-(2N+4501))$$

$$= B_{\bar{N}}(-N+6378) + B_{\bar{N}}(N+8993) + B_{\bar{N}}(7) = 0 + (2N+1277) + 7 = 2N+1284$$

$$(N \ge 6378)$$

$$B_{\bar{N}}(2N+4509) = B_{\bar{N}}(2N+4509 - B_{\bar{N}}(2N+4508)) + B_{\bar{N}}(2N+4509 - B_{\bar{N}}(2N+4507)) + B_{\bar{N}}(2N+4509 - B_{\bar{N}}(2N+4509))$$

$$= B_{\bar{N}}(2N+4509 - (2N+1284)) + B_{\bar{N}}(2N+4509 - (3N-1870)) + B_{\bar{N}}(2N+4509 - (N-4485))$$

$$= B_{\bar{N}}(3225) + B_{\bar{N}}(-N+6379) + B_{\bar{N}}(N+8994) = 3225 + 0 + (N-2) = N + 3223$$

$$(N \ge 6379)$$

$$B_{\bar{N}}(2N+4510) = B_{\bar{N}}(2N+4510-B_{\bar{N}}(2N+4509)) + B_{\bar{N}}(2N+4510-B_{\bar{N}}(2N+4508)) + B_{\bar{N}}(2N+4510-B_{\bar{N}}(2N+4507))$$

$$= B_{\bar{N}}(2N+4510-(N+3223)) + B_{\bar{N}}(2N+4510-(2N+1284)) + B_{\bar{N}}(2N+4510-(3N-1870))$$

$$= B_{\bar{N}}(N+1287) + B_{\bar{N}}(3226) + B_{\bar{N}}(-N+6380) = (N-2) + 3226 + 0 = N + 3224$$

$$(N \ge 6380)$$

$$B_{\bar{N}}(2N+4511) = B_{\bar{N}}(2N+4511 - B_{\bar{N}}(2N+4510)) + B_{\bar{N}}(2N+4511 - B_{\bar{N}}(2N+4509)) + B_{\bar{N}}(2N+4511 - B_{\bar{N}}(2N+4508))$$

$$= B_{\bar{N}}(2N+4511 - (N+3224)) + B_{\bar{N}}(2N+4511 - (N+3223)) + B_{\bar{N}}(2N+4511 - (2N+1284))$$

$$= B_{\bar{N}}(N+1287) + B_{\bar{N}}(N+1288) + B_{\bar{N}}(3227) = (N-2) + 1290 + 3227 = N + 4515$$

$$(N \ge 3227)$$

$$B_{\bar{N}}(2N+4512) = B_{\bar{N}}(2N+4512-B_{\bar{N}}(2N+4511)) + B_{\bar{N}}(2N+4512-B_{\bar{N}}(2N+4510)) + B_{\bar{N}}(2N+4512-B_{\bar{N}}(2N+4509))$$

$$= B_{\bar{N}}(2N+4512-(N+4515)) + B_{\bar{N}}(2N+4512-(N+3224)) + B_{\bar{N}}(2N+4512-(N+3223))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+1288) + B_{\bar{N}}(N+1289) = (N-3) + 1290 + (N+1290) = 2N + 2577$$

$$(N \ge 4)$$

$$B_{\bar{N}}(2N+4513) = B_{\bar{N}}(2N+4513-B_{\bar{N}}(2N+4512)) + B_{\bar{N}}(2N+4513-B_{\bar{N}}(2N+4511)) + B_{\bar{N}}(2N+4513-B_{\bar{N}}(2N+4510))$$

$$= B_{\bar{N}}(2N+4513-(2N+2577)) + B_{\bar{N}}(2N+4513-(N+4515)) + B_{\bar{N}}(2N+4513-(N+3224))$$

$$= B_{\bar{N}}(1936) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+1289) = 1936 + (N-2) + (N+1290) = 2N+3224$$

$$(N > 1936)$$

$$B_{\bar{N}}(2N+4514) = B_{\bar{N}}(2N+4514-B_{\bar{N}}(2N+4513)) + B_{\bar{N}}(2N+4514-B_{\bar{N}}(2N+4512)) + B_{\bar{N}}(2N+4514-B_{\bar{N}}(2N+4511))$$

$$= B_{\bar{N}}(2N+4514-(2N+3224)) + B_{\bar{N}}(2N+4514-(2N+2577)) + B_{\bar{N}}(2N+4514-(N+4515))$$

$$= B_{\bar{N}}(1290) + B_{\bar{N}}(1937) + B_{\bar{N}}(N-1) = 1290 + 1937 + (N-1) = N + 3226$$

$$(N \ge 1937)$$

$$B_{\bar{N}}(2N+4515) = B_{\bar{N}}(2N+4515-B_{\bar{N}}(2N+4514)) + B_{\bar{N}}(2N+4515-B_{\bar{N}}(2N+4513)) + B_{\bar{N}}(2N+4515-B_{\bar{N}}(2N+4512))$$

$$= B_{\bar{N}}(2N+4515-(N+3226)) + B_{\bar{N}}(2N+4515-(2N+3224)) + B_{\bar{N}}(2N+4515-(2N+2577))$$

$$= B_{\bar{N}}(N+1289) + B_{\bar{N}}(1291) + B_{\bar{N}}(1938) = (N+1290) + 1291 + 1938 = N+4519$$

$$(N \ge 1938)$$

$$B_{\bar{N}}(2N+4516) = B_{\bar{N}}(2N+4516-B_{\bar{N}}(2N+4515)) + B_{\bar{N}}(2N+4516-B_{\bar{N}}(2N+4514)) + B_{\bar{N}}(2N+4516-B_{\bar{N}}(2N+4513))$$

$$= B_{\bar{N}}(2N+4516-(N+4519)) + B_{\bar{N}}(2N+4516-(N+3226)) + B_{\bar{N}}(2N+4516-(2N+3224))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+1290) + B_{\bar{N}}(1292) = (N-3) + (N+1292) + 1292 = 2N + 2581$$

$$(N \ge 1292)$$

$$B_{\bar{N}}(2N+4517) = B_{\bar{N}}(2N+4517 - B_{\bar{N}}(2N+4516)) + B_{\bar{N}}(2N+4517 - B_{\bar{N}}(2N+4515)) + B_{\bar{N}}(2N+4517 - B_{\bar{N}}(2N+4514))$$

$$= B_{\bar{N}}(2N+4517 - (2N+2581)) + B_{\bar{N}}(2N+4517 - (N+4519)) + B_{\bar{N}}(2N+4517 - (N+3226))$$

$$= B_{\bar{N}}(1936) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+1291) = 1936 + (N-2) + 7 = N + 1941$$

$$(N \ge 1936)$$

$$B_{\bar{N}}(2N+4518) = B_{\bar{N}}(2N+4518-B_{\bar{N}}(2N+4517)) + B_{\bar{N}}(2N+4518-B_{\bar{N}}(2N+4516)) + B_{\bar{N}}(2N+4518-B_{\bar{N}}(2N+4515))$$

$$= B_{\bar{N}}(2N+4518-(N+1941)) + B_{\bar{N}}(2N+4518-(2N+2581)) + B_{\bar{N}}(2N+4518-(N+4519))$$

$$= B_{\bar{N}}(N+2577) + B_{\bar{N}}(1937) + B_{\bar{N}}(N-1) = (N+2578) + 1937 + (N-1) = 2N+4514$$

$$(N \ge 1937)$$

$$B_{\bar{N}}(2N+4519) = B_{\bar{N}}(2N+4519 - B_{\bar{N}}(2N+4518)) + B_{\bar{N}}(2N+4519 - B_{\bar{N}}(2N+4517)) + B_{\bar{N}}(2N+4519 - B_{\bar{N}}(2N+4516))$$

$$= B_{\bar{N}}(2N+4519 - (2N+4514)) + B_{\bar{N}}(2N+4519 - (N+1941)) + B_{\bar{N}}(2N+4519 - (2N+2581))$$

$$= B_{\bar{N}}(5) + B_{\bar{N}}(N+2578) + B_{\bar{N}}(1938) = 5 + (N+2580) + 1938 = N + 4523$$

$$(N \ge 1938)$$

$$B_{\bar{N}}(2N+4520) = B_{\bar{N}}(2N+4520 - B_{\bar{N}}(2N+4519)) + B_{\bar{N}}(2N+4520 - B_{\bar{N}}(2N+4518)) + B_{\bar{N}}(2N+4520 - B_{\bar{N}}(2N+4517))$$

$$= B_{\bar{N}}(2N+4520 - (N+4523)) + B_{\bar{N}}(2N+4520 - (2N+4514)) + B_{\bar{N}}(2N+4520 - (N+1941))$$

$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(6) + B_{\bar{N}}(N+2579) = (N-3) + 6 + 7 = N + 10$$

$$(N \ge 6)$$

$$B_{\bar{N}}(2N+4521) = B_{\bar{N}}(2N+4521 - B_{\bar{N}}(2N+4520)) + B_{\bar{N}}(2N+4521 - B_{\bar{N}}(2N+4519)) + B_{\bar{N}}(2N+4521 - B_{\bar{N}}(2N+4518))$$

$$= B_{\bar{N}}(2N+4521 - (N+10)) + B_{\bar{N}}(2N+4521 - (N+4523)) + B_{\bar{N}}(2N+4521 - (2N+4514))$$

$$= B_{\bar{N}}(N+4511) + B_{\bar{N}}(N-2) + B_{\bar{N}}(7) = 7 + (N-2) + 7 = N + 12$$

$$(N \ge 7)$$

$$B_{\bar{N}}(2N+4522) = B_{\bar{N}}(2N+4522 - B_{\bar{N}}(2N+4521)) + B_{\bar{N}}(2N+4522 - B_{\bar{N}}(2N+4520)) + B_{\bar{N}}(2N+4522 - B_{\bar{N}}(2N+4519))$$

$$= B_{\bar{N}}(2N+4522 - (N+12)) + B_{\bar{N}}(2N+4522 - (N+10)) + B_{\bar{N}}(2N+4522 - (N+4523))$$

$$= B_{\bar{N}}(N+4510) + B_{\bar{N}}(N+4512) + B_{\bar{N}}(N-1) = (N+4512) + (2N+1333) + (N-1) = 4N+5844$$

$$(N \ge 2)$$

$$B_{\bar{N}}(2N+4523) = B_{\bar{N}}(2N+4523-B_{\bar{N}}(2N+4522)) + B_{\bar{N}}(2N+4523-B_{\bar{N}}(2N+4521)) + B_{\bar{N}}(2N+4523-B_{\bar{N}}(2N+4523))$$

$$= B_{\bar{N}}(2N+4523-(4N+5844)) + B_{\bar{N}}(2N+4523-(N+12)) + B_{\bar{N}}(2N+4523-(N+10))$$

$$= B_{\bar{N}}(-2N-1321) + B_{\bar{N}}(N+4511) + B_{\bar{N}}(N+4513) = 0 + 7 + (2N+637) = 2N + 644$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4524) = B_{\bar{N}}(2N+4524-B_{\bar{N}}(2N+4523)) + B_{\bar{N}}(2N+4524-B_{\bar{N}}(2N+4522)) + B_{\bar{N}}(2N+4524-B_{\bar{N}}(2N+4521))$$

$$= B_{\bar{N}}(2N+4524-(2N+644)) + B_{\bar{N}}(2N+4524-(4N+5844)) + B_{\bar{N}}(2N+4524-(N+12))$$

$$= B_{\bar{N}}(3880) + B_{\bar{N}}(-2N-1320) + B_{\bar{N}}(N+4512) = 3880 + 0 + (2N+1333) = 2N+5213$$

$$(N \ge 3880)$$

$$B_{\bar{N}}(2N+4525) = B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4524)) + B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4523)) + B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2N+4525-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4526) = B_{\bar{N}}(2N+4526-B_{\bar{N}}(2N+4525)) + B_{\bar{N}}(2N+4526-B_{\bar{N}}(2N+4524)) + B_{\bar{N}}(2N+4526-B_{\bar{N}}(2N+4523))$$

$$= B_{\bar{N}}(2N+4526-3881) + B_{\bar{N}}(2N+4526-(2N+5213)) + B_{\bar{N}}(2N+4526-(2N+644))$$

$$= B_{\bar{N}}(2N+645) + B_{\bar{N}}(-687) + B_{\bar{N}}(3882) = (N+3) + 0 + 3882 = N + 3885$$

$$(N \ge 3882)$$

$$B_{\bar{N}}(2N+4527) = B_{\bar{N}}(2N+4527-B_{\bar{N}}(2N+4526)) + B_{\bar{N}}(2N+4527-B_{\bar{N}}(2N+4525)) + B_{\bar{N}}(2N+4527-B_{\bar{N}}(2N+4524))$$

$$= B_{\bar{N}}(2N+4527-(N+3885)) + B_{\bar{N}}(2N+4527-3881) + B_{\bar{N}}(2N+4527-(2N+5213))$$

$$= B_{\bar{N}}(N+642) + B_{\bar{N}}(2N+646) + B_{\bar{N}}(-686) = (2N+84) + (N-2) + 0 = 3N+82$$

$$(N \ge 1)$$

$$B_{\bar{N}}(2N+4528) = B_{\bar{N}}(2N+4528-B_{\bar{N}}(2N+4527)) + B_{\bar{N}}(2N+4528-B_{\bar{N}}(2N+4526)) + B_{\bar{N}}(2N+4528-B_{\bar{N}}(2N+4525))$$

$$= B_{\bar{N}}(2N+4528-(3N+82)) + B_{\bar{N}}(2N+4528-(N+3885)) + B_{\bar{N}}(2N+4528-3881)$$

$$= B_{\bar{N}}(-N+4446) + B_{\bar{N}}(N+643) + B_{\bar{N}}(2N+647) = 0 + (N-2) + (2N+731) = 3N+729$$

$$(N \ge 4446)$$

$$B_{\bar{N}}(2N+4529) = B_{\bar{N}}(2N+4529 - B_{\bar{N}}(2N+4528)) + B_{\bar{N}}(2N+4529 - B_{\bar{N}}(2N+4527)) + B_{\bar{N}}(2N+4529 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4530) = B_{\bar{N}}(2N+4530 - B_{\bar{N}}(2N+4529)) + B_{\bar{N}}(2N+4530 - B_{\bar{N}}(2N+4528)) + B_{\bar{N}}(2N+4530 - B_{\bar{N}}(2N+4527))$$

$$= B_{\bar{N}}(2N+4530 - 646) + B_{\bar{N}}(2N+4530 - (3N+729)) + B_{\bar{N}}(2N+4530 - (3N+82))$$

$$= B_{\bar{N}}(2N+3884) + B_{\bar{N}}(-N+3801) + B_{\bar{N}}(-N+4448) = \left(\frac{15N}{7} - \frac{642}{7}\right) + 0 + 0 = \frac{15N}{7} - \frac{642}{7}$$

$$(N \ge 4448)$$

$$B_{\bar{N}}(2N+4531) = B_{\bar{N}}(2N+4531 - B_{\bar{N}}(2N+4530)) + B_{\bar{N}}(2N+4531 - B_{\bar{N}}$$

$$B_{\bar{N}}(2N+4532) = B_{\bar{N}}(2N+4532 - B_{\bar{N}}(2N+4531)) + B_{\bar{N}}(2N+4532 - B_{\bar{N}}(2N+4530)) + B_{\bar{N}}(2N+4532 - B_{\bar{N}}(2N+4532))$$

$$= B_{\bar{N}}(2N+4532 - (N-2)) + B_{\bar{N}}\left(2N+4532 - \left(\frac{15N}{7} - \frac{642}{7}\right)\right) + B_{\bar{N}}(2N+4532 - 646)$$

$$= B_{\bar{N}}(N+4534) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{32366}{7}\right) + B_{\bar{N}}(2N+3886) = (2N+640) + 0 + 7 = 2N + 647$$

$$(N > 32366) *$$

$$B_{\bar{N}}(2N+4533) = B_{\bar{N}}(2N+4533 - B_{\bar{N}}(2N+4532)) + B_{\bar{N}}(2N+4533 - B_{\bar{N}}(2N+4531)) + B_{\bar{N}}(2N+4533 - B_{\bar{N}}(2N+4530))$$

$$= B_{\bar{N}}(2N+4533 - (2N+647)) + B_{\bar{N}}(2N+4533 - (N-2)) + B_{\bar{N}}\left(2N+4533 - \left(\frac{15N}{7} - \frac{642}{7}\right)\right)$$

$$= B_{\bar{N}}(3886) + B_{\bar{N}}(N+4535) + B_{\bar{N}}\left(-\frac{N}{7} + \frac{32373}{7}\right) = 3886 + (N-2) + 0 = N + 3884$$

$$(N > 32373) *$$

$$B_{\bar{N}}(2N+4534) = B_{\bar{N}}(2N+4534-B_{\bar{N}}(2N+4533)) + B_{\bar{N}}(2N+4534-B_{\bar{N}}(2N+4532)) + B_{\bar{N}}(2N+4534-B_{\bar{N}}(2N+4531))$$

$$= B_{\bar{N}}(2N+4534-(N+3884)) + B_{\bar{N}}(2N+4534-(2N+647)) + B_{\bar{N}}(2N+4534-(N-2))$$

$$= B_{\bar{N}}(N+650) + B_{\bar{N}}(3887) + B_{\bar{N}}(N+4536) = (N-2) + 3887 + 4538 = N + 8423$$

$$(N \ge 3887)$$

$$B_{\bar{N}}(2N+4535) = B_{\bar{N}}(2N+4535 - B_{\bar{N}}(2N+4534)) + B_{\bar{N}}(2N+4535 - B_{\bar{N}}(2N+4533)) + B_{\bar{N}}(2N+4535 - B_{\bar{N}}(2N+4535))$$

$$= B_{\bar{N}}(2N+4535 - (N+8423)) + B_{\bar{N}}(2N+4535 - (N+3884)) + B_{\bar{N}}(2N+4535 - (2N+647))$$

$$= B_{\bar{N}}(N-3888) + B_{\bar{N}}(N+651) + B_{\bar{N}}(3888) = (N-3888) + 653 + 3888 = N + 653$$

$$(N \ge 3889)$$

$$B_{\bar{N}}(2N+4536) = B_{\bar{N}}(2N+4536-B_{\bar{N}}(2N+4535)) + B_{\bar{N}}(2N+4536-B_{\bar{N}}(2N+4534)) + B_{\bar{N}}(2N+4536-B_{\bar{N}}(2N+4536))$$

$$= B_{\bar{N}}(2N+4536-(N+653)) + B_{\bar{N}}(2N+4536-(N+8423)) + B_{\bar{N}}(2N+4536-(N+3884))$$

$$= B_{\bar{N}}(N+3883) + B_{\bar{N}}(N-3887) + B_{\bar{N}}(N+652) = (2N+547) + (N-3887) + (N+653) = 4N-2687$$

$$(N > 3888)$$

$$B_{\bar{N}}(2N+4537) = B_{\bar{N}}(2N+4537-B_{\bar{N}}(2N+4536)) + B_{\bar{N}}(2N+4537-B_{\bar{N}}(2N+4535)) + B_{\bar{N}}(2N+4537-B_{\bar{N}}(2N+4534))$$

$$= B_{\bar{N}}(2N+4537-(4N-2687)) + B_{\bar{N}}(2N+4537-(N+653)) + B_{\bar{N}}(2N+4537-(N+8423))$$

$$= B_{\bar{N}}(-2N+7224) + B_{\bar{N}}(N+3884) + B_{\bar{N}}(N-3886) = 0 + (N-2) + (N-3886) = 2N-3888$$

$$(N > 3887)$$

$$B_{\bar{N}}(2N+4538) = B_{\bar{N}}(2N+4538-B_{\bar{N}}(2N+4537)) + B_{\bar{N}}(2N+4538-B_{\bar{N}}(2N+4536)) + B_{\bar{N}}(2N+4538-B_{\bar{N}}(2N+4535))$$

$$= B_{\bar{N}}(2N+4538-(2N-3888)) + B_{\bar{N}}(2N+4538-(4N-2687)) + B_{\bar{N}}(2N+4538-(N+653))$$

$$= B_{\bar{N}}(8426) + B_{\bar{N}}(-2N+7225) + B_{\bar{N}}(N+3885) = 8426 + 0 + 3887 = 12313$$

$$(N \ge 8426)$$

$$B_{\bar{N}}(2N+4539) = B_{\bar{N}}(2N+4539 - B_{\bar{N}}(2N+4538)) + B_{\bar{N}}(2N+4539 - B_{\bar{N}}(2N+4537)) + B_{\bar{N}}(2N+4539 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4540) = B_{\bar{N}}(2N+4540 - B_{\bar{N}}(2N+4539)) + B_{\bar{N}}(2N+4540 - B_{\bar{N}}(2N+4538)) + B_{\bar{N}}(2N+4540 - B_{\bar{N}}(2N+4537))$$

$$= B_{\bar{N}}(2N+4540 - (2N+654)) + B_{\bar{N}}(2N+4540 - 12313) + B_{\bar{N}}(2N+4540 - (2N-3888))$$

$$= B_{\bar{N}}(3886) + B_{\bar{N}}(2N-7773) + B_{\bar{N}}(8428) = 3886 + (2N-7771) + 8428 = 2N+4543$$

$$(N \ge 8428)$$

$$B_{\bar{N}}(2N+4541) = B_{\bar{N}}(2N+4541 - B_{\bar{N}}(2N+4540)) + B_{\bar{N}}(2N+4541 - B_{\bar{N}}(2N+4539)) + B_{\bar{N}}(2N+4541 - B_{\bar{N$$

$$B_{\bar{N}}(2N+4542) = B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4541)) + B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4540)) + B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2N+4542-B_{\bar{N}}(2$$

$$B_{\bar{N}}(2N+4543) = B_{\bar{N}}(2N+4543-B_{\bar{N}}(2N+4542)) + B_{\bar{N}}(2N+4543-B_{\bar{N}}(2N+4541)) + B_{\bar{N}}(2N+4543-B_{\bar{N}}(2N+4540))$$

$$= B_{\bar{N}}(2N+4543-(2N+4532)) + B_{\bar{N}}(2N+4543-3894) + B_{\bar{N}}(2N+4543-(2N+4543))$$

$$= B_{\bar{N}}(11) + B_{\bar{N}}(2N+649) + B_{\bar{N}}(0) = 11 + 658 + 0 = 669$$

$$(N \ge 11)$$

$$B_{\bar{N}}(2N+4544) = B_{\bar{N}}(2N+4544 - B_{\bar{N}}(2N+4543)) + B_{\bar{N}}(2N+4544 - B_{\bar{N}}(2N+4542)) + B_{\bar{N}}(2N+4544 - B_{\bar{N}}(2N+4541))$$

$$= B_{\bar{N}}(2N+4544 - 669) + B_{\bar{N}}(2N+4544 - (2N+4532)) + B_{\bar{N}}(2N+4544 - 3894)$$

$$= B_{\bar{N}}(2N+3875) + B_{\bar{N}}(12) + B_{\bar{N}}(2N+650) = 4472 + 12 + \left(\frac{16N}{7} + \frac{333}{7}\right) = \frac{16N}{7} + \frac{31721}{7}$$

$$(N \ge 12)$$

$$B_{\bar{N}}(2N+4545) = B_{\bar{N}}(2N+4545 - B_{\bar{N}}(2N+4544)) + B_{\bar{N}}(2N+4545 - B_{\bar{N}}(2N+4543)) + B_{\bar{N}}(2N+4545 - B_{\bar{N}}(2N+4545))$$

$$= B_{\bar{N}}\left(2N+4545 - \left(\frac{16N}{7} + \frac{31721}{7}\right)\right) + B_{\bar{N}}(2N+4545 - 669) + B_{\bar{N}}(2N+4545 - (2N+4532))$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{94}{7}\right) + B_{\bar{N}}(2N+3876) + B_{\bar{N}}(13) = 0 + \left(\frac{16N}{7} - \frac{885}{7}\right) + 13 = \frac{16N}{7} - \frac{794}{7}$$

$$(N > 47)$$

$$B_{\bar{N}}(2N+4546) = B_{\bar{N}}(2N+4546 - B_{\bar{N}}(2N+4545)) + B_{\bar{N}}(2N+4546 - B_{\bar{N}}(2N+4544)) + B_{\bar{N}}(2N+4546 - B_{\bar{N}}(2N+4543))$$

$$= B_{\bar{N}}\left(2N+4546 - \left(\frac{16N}{7} - \frac{794}{7}\right)\right) + B_{\bar{N}}\left(2N+4546 - \left(\frac{16N}{7} + \frac{31721}{7}\right)\right) + B_{\bar{N}}(2N+4546 - 669)$$

$$= B_{\bar{N}}\left(-\frac{2N}{7} + \frac{32616}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{101}{7}\right) + B_{\bar{N}}(2N+3877) = 0 + 0 + \left(\frac{15N}{7} - \frac{649}{7}\right) = \frac{15N}{7} - \frac{649}{7}$$

$$(N \ge 16308)$$

$$B_{\bar{N}}(2N+4547) = B_{\bar{N}}(2N+4547 - B_{\bar{N}}(2N+4546)) + B_{\bar{N}}(2N+4547 - B_{\bar{N}}(2N+4545)) + B_{\bar{N}}(2N+4547 - B_{\bar{N}}(2N+4544))$$

$$= B_{\bar{N}}\left(2N+4547 - \left(\frac{15N}{7} - \frac{649}{7}\right)\right) + B_{\bar{N}}\left(2N+4547 - \left(\frac{16N}{7} - \frac{794}{7}\right)\right) + B_{\bar{N}}\left(2N+4547 - \left(\frac{16N}{7} + \frac{31721}{7}\right)\right)$$

$$= B_{\bar{N}}\left(-\frac{N}{7} + \frac{32478}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{32623}{7}\right) + B_{\bar{N}}\left(-\frac{2N}{7} + \frac{108}{7}\right) = 0 + 0 + 0 = 0$$

$$(N \ge 32478) *$$