Terms $B_{\bar{N}}(2N-1)$ through $B_{\bar{N}}(2N+560)$ when $N \equiv 3 \pmod 7$

When $N \equiv 3 \pmod 7$ and $N \geq 72$, a pattern with 7 interleaved linear sequences lasts from index $N+67$ through $2N-2$. If $N \geq 4315$, there are 562 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 presented in bold.

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N-1)} &= B_{\bar{N}}(2N-1-B_{\bar{N}}(2N-2)) + B_{\bar{N}}(2N-1-B_{\bar{N}}(2N-3)) + B_{\bar{N}}(2N-1-B_{\bar{N}}(2N-4)) \\ &= B_{\bar{N}}(2N-1-(2N-1)) + B_{\bar{N}}(2N-1-(N-1)) + B_{\bar{N}}(2N-1-(N-2)) \\ &= B_{\bar{N}}(0) + B_{\bar{N}}(N) + B_{\bar{N}}(N+1) = 0 + N + 6 = \mathbf{N+6} \\ &(N \geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N)} &= B_{\bar{N}}(2N-B_{\bar{N}}(2N-1)) + B_{\bar{N}}(2N-B_{\bar{N}}(2N-2)) + B_{\bar{N}}(2N-B_{\bar{N}}(2N-3)) \\ &= B_{\bar{N}}(2N-(N+6)) + B_{\bar{N}}(2N-(2N-1)) + B_{\bar{N}}(2N-(N-1)) \\ &= B_{\bar{N}}(N-6) + B_{\bar{N}}(1) + B_{\bar{N}}(N+1) = (N-6) + 1 + 6 = \mathbf{N+1} \\ &(\mathbf{N \geq 73})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+1)} &= B_{\bar{N}}(2N+1-B_{\bar{N}}(2N)) + B_{\bar{N}}(2N+1-B_{\bar{N}}(2N-1)) + B_{\bar{N}}(2N+1-B_{\bar{N}}(2N-2)) \\ &= B_{\bar{N}}(2N+1-(N+1)) + B_{\bar{N}}(2N+1-(N+6)) + B_{\bar{N}}(2N+1-(2N-1)) \\ &= B_{\bar{N}}(N) + B_{\bar{N}}(N-5) + B_{\bar{N}}(2) = N + (N-5) + 2 = \mathbf{2N-3} \\ &(N \geq 72)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+2)} &= B_{\bar{N}}(2N+2-B_{\bar{N}}(2N+1)) + B_{\bar{N}}(2N+2-B_{\bar{N}}(2N)) + B_{\bar{N}}(2N+2-B_{\bar{N}}(2N-1)) \\ &= B_{\bar{N}}(2N+2-(2N-3)) + B_{\bar{N}}(2N+2-(N+1)) + B_{\bar{N}}(2N+2-(N+6)) \\ &= B_{\bar{N}}(5) + B_{\bar{N}}(N+1) + B_{\bar{N}}(N-4) = 5 + 6 + (N-4) = \mathbf{N+7} \\ &(N \geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+3)} &= B_{\bar{N}}(2N+3-B_{\bar{N}}(2N+2))+B_{\bar{N}}(2N+3-B_{\bar{N}}(2N+1))+B_{\bar{N}}(2N+3-B_{\bar{N}}(2N)) \\ &= B_{\bar{N}}(2N+3-(N+7))+B_{\bar{N}}(2N+3-(2N-3))+B_{\bar{N}}(2N+3-(N+1)) \\ &= B_{\bar{N}}(N-4)+B_{\bar{N}}(6)+B_{\bar{N}}(N+2)=(N-4)+6+(N+1)=\mathbf{2N+3} \\ &(N \geq 7)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+4)} &= B_{\bar{N}}(2N+4-B_{\bar{N}}(2N+3))+B_{\bar{N}}(2N+4-B_{\bar{N}}(2N+2))+B_{\bar{N}}(2N+4-B_{\bar{N}}(2N+1)) \\ &= B_{\bar{N}}(2N+4-(2N+3))+B_{\bar{N}}(2N+4-(N+7))+B_{\bar{N}}(2N+4-(2N-3)) \\ &= B_{\bar{N}}(1)+B_{\bar{N}}(N-3)+B_{\bar{N}}(7)=1+(N-3)+7=\mathbf{N+5} \\ &(\mathbf{N \geq 75})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+5)} &= B_{\bar{N}}(2N+5-B_{\bar{N}}(2N+4))+B_{\bar{N}}(2N+5-B_{\bar{N}}(2N+3))+B_{\bar{N}}(2N+5-B_{\bar{N}}(2N+2)) \\ &= B_{\bar{N}}(2N+5-(N+5))+B_{\bar{N}}(2N+5-(2N+3))+B_{\bar{N}}(2N+5-(N+7)) \\ &= B_{\bar{N}}(N)+B_{\bar{N}}(2)+B_{\bar{N}}(N-2)=N+2+(N-2)=\mathbf{2N} \\ &(N \geq 74)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+6)} &= B_{\bar{N}}(2N+6-B_{\bar{N}}(2N+5))+B_{\bar{N}}(2N+6-B_{\bar{N}}(2N+4))+B_{\bar{N}}(2N+6-B_{\bar{N}}(2N+3)) \\ &= B_{\bar{N}}(2N+6-2N)+B_{\bar{N}}(2N+6-(N+5))+B_{\bar{N}}(2N+6-(2N+3)) \\ &= B_{\bar{N}}(6)+B_{\bar{N}}(N+1)+B_{\bar{N}}(3)=6+6+3=\mathbf{15} \\ &(N \geq 73)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+7)} &= B_{\bar{N}}(2N+7-B_{\bar{N}}(2N+6))+B_{\bar{N}}(2N+7-B_{\bar{N}}(2N+5))+B_{\bar{N}}(2N+7-B_{\bar{N}}(2N+4)) \\ &= B_{\bar{N}}(2N+7-15)+B_{\bar{N}}(2N+7-2N)+B_{\bar{N}}(2N+7-(N+5)) \\ &= B_{\bar{N}}(2N-8)+B_{\bar{N}}(7)+B_{\bar{N}}(N+2)=(2N-6)+7+(N+1)=\mathbf{3N+2} \\ &(\mathbf{N \geq 77})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+8)} &= B_{\bar{N}}(2N+8-B_{\bar{N}}(2N+7))+B_{\bar{N}}(2N+8-B_{\bar{N}}(2N+6))+B_{\bar{N}}(2N+8-B_{\bar{N}}(2N+5))\\ &= B_{\bar{N}}(2N+8-(3N+2))+B_{\bar{N}}(2N+8-15)+B_{\bar{N}}(2N+8-2N)\\ &= B_{\bar{N}}(-N+6)+B_{\bar{N}}(2N-7)+B_{\bar{N}}(8)=0+7+8=\mathbf{15}\\ &(N\geq 76)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+9)} &= B_{\bar{N}}(2N+9-B_{\bar{N}}(2N+8))+B_{\bar{N}}(2N+9-B_{\bar{N}}(2N+7))+B_{\bar{N}}(2N+9-B_{\bar{N}}(2N+6))\\ &= B_{\bar{N}}(2N+9-15)+B_{\bar{N}}(2N+9-(3N+2))+B_{\bar{N}}(2N+9-15)\\ &= B_{\bar{N}}(2N-6)+B_{\bar{N}}(-N+7)+B_{\bar{N}}(2N-6)=\left(\frac{16N}{7}+\frac{295}{7}\right)+0+\left(\frac{16N}{7}+\frac{295}{7}\right)=\frac{\mathbf{32N}}{\mathbf{7}}+\frac{\mathbf{590}}{\mathbf{7}}\\ &(\mathbf{N}\geq\mathbf{105})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+10)} &= B_{\bar{N}}(2N+10-B_{\bar{N}}(2N+9))+B_{\bar{N}}(2N+10-B_{\bar{N}}(2N+8))+B_{\bar{N}}(2N+10-B_{\bar{N}}(2N+7))\\ &= B_{\bar{N}}\left(2N+10-\left(\frac{32N}{7}+\frac{590}{7}\right)\right)+B_{\bar{N}}(2N+10-15)+B_{\bar{N}}(2N+10-(3N+2))\\ &= B_{\bar{N}}\left(-\frac{18N}{7}-\frac{520}{7}\right)+B_{\bar{N}}(2N-5)+B_{\bar{N}}(-N+8)=0+\left(\frac{15N}{7}-\frac{59}{7}\right)+0=\frac{\mathbf{15N}}{\mathbf{7}}-\frac{\mathbf{59}}{\mathbf{7}}\\ &(\mathbf{N}\geq\mathbf{112})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+11)} &= B_{\bar{N}}(2N+11-B_{\bar{N}}(2N+10))+B_{\bar{N}}(2N+11-B_{\bar{N}}(2N+9))+B_{\bar{N}}(2N+11-B_{\bar{N}}(2N+8))\\ &= B_{\bar{N}}\left(2N+11-\left(\frac{15N}{7}-\frac{59}{7}\right)\right)+B_{\bar{N}}\left(2N+11-\left(\frac{32N}{7}+\frac{590}{7}\right)\right)+B_{\bar{N}}(2N+11-15)\\ &= B_{\bar{N}}\left(-\frac{N}{7}+\frac{136}{7}\right)+B_{\bar{N}}\left(-\frac{18N}{7}-\frac{513}{7}\right)+B_{\bar{N}}(2N-4)=0+0+(N-2)=\mathbf{N-2}\\ &(\mathbf{N}\geq\mathbf{136})\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+12)} = B_{\bar{N}}(2N+12-B_{\bar{N}}(2N+11)) + B_{\bar{N}}(2N+12-B_{\bar{N}}(2N+10)) + B_{\bar{N}}(2N+12-B_{\bar{N}}(2N+9))$$
$$= B_{\bar{N}}(2N+12-(N-2)) + B_{\bar{N}}\left(2N+12-\left(\frac{15N}{7}-\frac{59}{7}\right)\right) + B_{\bar{N}}\left(2N+12-\left(\frac{32N}{7}+\frac{590}{7}\right)\right)$$
$$= B_{\bar{N}}(N+14) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{143}{7}\right) + B_{\bar{N}}\left(-\frac{18N}{7}-\frac{506}{7}\right) = (N+10)+0+0 = \mathbf{N+10}$$
$$(\mathbf{N \geq 143})$$

$$\mathbf{B_{\bar{N}}(2N+13)} = B_{\bar{N}}(2N+13-B_{\bar{N}}(2N+12)) + B_{\bar{N}}(2N+13-B_{\bar{N}}(2N+11)) + B_{\bar{N}}(2N+13-B_{\bar{N}}(2N+10))$$
$$= B_{\bar{N}}(2N+13-(N+10)) + B_{\bar{N}}(2N+13-(N-2)) + B_{\bar{N}}\left(2N+13-\left(\frac{15N}{7}-\frac{59}{7}\right)\right)$$
$$= B_{\bar{N}}(N+3) + B_{\bar{N}}(N+15) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{150}{7}\right) = (N+2)+(N+11)+0 = \mathbf{2N+13}$$
$$(\mathbf{N \geq 150})$$

$$\mathbf{B_{\bar{N}}(2N+14)} = B_{\bar{N}}(2N+14-B_{\bar{N}}(2N+13)) + B_{\bar{N}}(2N+14-B_{\bar{N}}(2N+12)) + B_{\bar{N}}(2N+14-B_{\bar{N}}(2N+11))$$
$$= B_{\bar{N}}(2N+14-(2N+13)) + B_{\bar{N}}(2N+14-(N+10)) + B_{\bar{N}}(2N+14-(N-2))$$
$$= B_{\bar{N}}(1) + B_{\bar{N}}(N+4) + B_{\bar{N}}(N+16) = 1+(N+3)+17 = \mathbf{N+21}$$
$$(N \geq 14)$$

$$\mathbf{B_{\bar{N}}(2N+15)} = B_{\bar{N}}(2N+15-B_{\bar{N}}(2N+14)) + B_{\bar{N}}(2N+15-B_{\bar{N}}(2N+13)) + B_{\bar{N}}(2N+15-B_{\bar{N}}(2N+12))$$
$$= B_{\bar{N}}(2N+15-(N+21)) + B_{\bar{N}}(2N+15-(2N+13)) + B_{\bar{N}}(2N+15-(N+10))$$
$$= B_{\bar{N}}(N-6) + B_{\bar{N}}(2) + B_{\bar{N}}(N+5) = (N-6)+2+9 = \mathbf{N+5}$$
$$(N \geq 15)$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+16)} &= B_{\bar{N}}(2N+16-B_{\bar{N}}(2N+15))+B_{\bar{N}}(2N+16-B_{\bar{N}}(2N+14))+B_{\bar{N}}(2N+16-B_{\bar{N}}(2N+13)) \\
&= B_{\bar{N}}(2N+16-(N+5))+B_{\bar{N}}(2N+16-(N+21))+B_{\bar{N}}(2N+16-(2N+13)) \\
&= B_{\bar{N}}(N+11)+B_{\bar{N}}(N-5)+B_{\bar{N}}(3)=(N+8)+(N-5)+3=\mathbf{2N+6} \\
&(N \geq 16)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+17)} &= B_{\bar{N}}(2N+17-B_{\bar{N}}(2N+16))+B_{\bar{N}}(2N+17-B_{\bar{N}}(2N+15))+B_{\bar{N}}(2N+17-B_{\bar{N}}(2N+14)) \\
&= B_{\bar{N}}(2N+17-(2N+6))+B_{\bar{N}}(2N+17-(N+5))+B_{\bar{N}}(2N+17-(N+21)) \\
&= B_{\bar{N}}(11)+B_{\bar{N}}(N+12)+B_{\bar{N}}(N-4)=11+(N+9)+(N-4)=\mathbf{2N+16} \\
&(N \geq 13)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+18)} &= B_{\bar{N}}(2N+18-B_{\bar{N}}(2N+17))+B_{\bar{N}}(2N+18-B_{\bar{N}}(2N+16))+B_{\bar{N}}(2N+18-B_{\bar{N}}(2N+15)) \\
&= B_{\bar{N}}(2N+18-(2N+16))+B_{\bar{N}}(2N+18-(2N+6))+B_{\bar{N}}(2N+18-(N+5)) \\
&= B_{\bar{N}}(2)+B_{\bar{N}}(12)+B_{\bar{N}}(N+13)=2+12+15=\mathbf{29} \\
&(N \geq 14)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+19)} &= B_{\bar{N}}(2N+19-B_{\bar{N}}(2N+18))+B_{\bar{N}}(2N+19-B_{\bar{N}}(2N+17))+B_{\bar{N}}(2N+19-B_{\bar{N}}(2N+16)) \\
&= B_{\bar{N}}(2N+19-29)+B_{\bar{N}}(2N+19-(2N+16))+B_{\bar{N}}(2N+19-(2N+6)) \\
&= B_{\bar{N}}(2N-10)+B_{\bar{N}}(3)+B_{\bar{N}}(13)=(N-8)+3+13=\mathbf{N+8} \\
&(N \geq 77)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+20)} &= B_{\bar{N}}(2N+20-B_{\bar{N}}(2N+19))+B_{\bar{N}}(2N+20-B_{\bar{N}}(2N+18))+B_{\bar{N}}(2N+20-B_{\bar{N}}(2N+17)) \\
&= B_{\bar{N}}(2N+20-(N+8))+B_{\bar{N}}(2N+20-29)+B_{\bar{N}}(2N+20-(2N+16)) \\
&= B_{\bar{N}}(N+12)+B_{\bar{N}}(2N-9)+B_{\bar{N}}(4)=(N+9)+(2N-8)+4=\mathbf{3N+5} \\
&(N \geq 76)
\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+21)} &= B_{\bar{N}}(2N+21-B_{\bar{N}}(2N+20))+B_{\bar{N}}(2N+21-B_{\bar{N}}(2N+19))+B_{\bar{N}}(2N+21-B_{\bar{N}}(2N+18))\\ &= B_{\bar{N}}(2N+21-(3N+5))+B_{\bar{N}}(2N+21-(N+8))+B_{\bar{N}}(2N+21-29)\\ &= B_{\bar{N}}(-N+16)+B_{\bar{N}}(N+13)+B_{\bar{N}}(2N-8)=0+15+(2N-6)=\mathbf{2N+9}\\ &(N\geq 75)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+22)} &= B_{\bar{N}}(2N+22-B_{\bar{N}}(2N+21))+B_{\bar{N}}(2N+22-B_{\bar{N}}(2N+20))+B_{\bar{N}}(2N+22-B_{\bar{N}}(2N+19))\\ &= B_{\bar{N}}(2N+22-(2N+9))+B_{\bar{N}}(2N+22-(3N+5))+B_{\bar{N}}(2N+22-(N+8))\\ &= B_{\bar{N}}(13)+B_{\bar{N}}(-N+17)+B_{\bar{N}}(N+14)=13+0+(N+10)=\mathbf{N+23}\\ &(N\geq 22)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+23)} &= B_{\bar{N}}(2N+23-B_{\bar{N}}(2N+22))+B_{\bar{N}}(2N+23-B_{\bar{N}}(2N+21))+B_{\bar{N}}(2N+23-B_{\bar{N}}(2N+20))\\ &= B_{\bar{N}}(2N+23-(N+23))+B_{\bar{N}}(2N+23-(2N+9))+B_{\bar{N}}(2N+23-(3N+5))\\ &= B_{\bar{N}}(N)+B_{\bar{N}}(14)+B_{\bar{N}}(-N+18)=N+14+0=\mathbf{N+14}\\ &(N\geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+24)} &= B_{\bar{N}}(2N+24-B_{\bar{N}}(2N+23))+B_{\bar{N}}(2N+24-B_{\bar{N}}(2N+22))+B_{\bar{N}}(2N+24-B_{\bar{N}}(2N+21))\\ &= B_{\bar{N}}(2N+24-(N+14))+B_{\bar{N}}(2N+24-(N+23))+B_{\bar{N}}(2N+24-(2N+9))\\ &= B_{\bar{N}}(N+10)+B_{\bar{N}}(N+1)+B_{\bar{N}}(15)=(N+7)+6+15=\mathbf{N+28}\\ &(N\geq 79)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+25)} &= B_{\bar{N}}(2N+25-B_{\bar{N}}(2N+24))+B_{\bar{N}}(2N+25-B_{\bar{N}}(2N+23))+B_{\bar{N}}(2N+25-B_{\bar{N}}(2N+22))\\ &= B_{\bar{N}}(2N+25-(N+28))+B_{\bar{N}}(2N+25-(N+14))+B_{\bar{N}}(2N+25-(N+23))\\ &= B_{\bar{N}}(N-3)+B_{\bar{N}}(N+11)+B_{\bar{N}}(N+2)=(N-3)+(N+8)+(N+1)=\mathbf{3N+6}\\ &(N\geq 78)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+26)} &= B_{\bar{N}}(2N+26-B_{\bar{N}}(2N+25))+B_{\bar{N}}(2N+26-B_{\bar{N}}(2N+24))+B_{\bar{N}}(2N+26-B_{\bar{N}}(2N+23))\\ &= B_{\bar{N}}(2N+26-(3N+6))+B_{\bar{N}}(2N+26-(N+28))+B_{\bar{N}}(2N+26-(N+14))\\ &= B_{\bar{N}}(-N+20)+B_{\bar{N}}(N-2)+B_{\bar{N}}(N+12)=0+(N-2)+(N+9)=\mathbf{2N+7}\\ &(\mathbf{N\geq 189})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+27)} &= B_{\bar{N}}(2N+27-B_{\bar{N}}(2N+26))+B_{\bar{N}}(2N+27-B_{\bar{N}}(2N+25))+B_{\bar{N}}(2N+27-B_{\bar{N}}(2N+24))\\ &= B_{\bar{N}}(2N+27-(2N+7))+B_{\bar{N}}(2N+27-(3N+6))+B_{\bar{N}}(2N+27-(N+28))\\ &= B_{\bar{N}}(20)+B_{\bar{N}}(-N+21)+B_{\bar{N}}(N-1)=20+0+(N-1)=\mathbf{N+19}\\ &(\mathbf{N\geq 196})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+28)} &= B_{\bar{N}}(2N+28-B_{\bar{N}}(2N+27))+B_{\bar{N}}(2N+28-B_{\bar{N}}(2N+26))+B_{\bar{N}}(2N+28-B_{\bar{N}}(2N+25))\\ &= B_{\bar{N}}(2N+28-(N+19))+B_{\bar{N}}(2N+28-(2N+7))+B_{\bar{N}}(2N+28-(3N+6))\\ &= B_{\bar{N}}(N+9)+B_{\bar{N}}(21)+B_{\bar{N}}(-N+22)=12+21+0=\mathbf{33}\\ &(N\geq 22)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+29)} &= B_{\bar{N}}(2N+29-B_{\bar{N}}(2N+28))+B_{\bar{N}}(2N+29-B_{\bar{N}}(2N+27))+B_{\bar{N}}(2N+29-B_{\bar{N}}(2N+26))\\ &= B_{\bar{N}}(2N+29-33)+B_{\bar{N}}(2N+29-(N+19))+B_{\bar{N}}(2N+29-(2N+7))\\ &= B_{\bar{N}}(2N-4)+B_{\bar{N}}(N+10)+B_{\bar{N}}(22)=(N-2)+(N+7)+22=\mathbf{2N+27}\\ &(N\geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+30)} &= B_{\bar{N}}(2N+30-B_{\bar{N}}(2N+29))+B_{\bar{N}}(2N+30-B_{\bar{N}}(2N+28))+B_{\bar{N}}(2N+30-B_{\bar{N}}(2N+27))\\ &= B_{\bar{N}}(2N+30-(2N+27))+B_{\bar{N}}(2N+30-33)+B_{\bar{N}}(2N+30-(N+19))\\ &= B_{\bar{N}}(3)+B_{\bar{N}}(2N-3)+B_{\bar{N}}(N+11)=3+(N-1)+(N+8)=\mathbf{2N+10}\\ &(N\geq 70)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+31)} &= B_{\bar{N}}(2N+31-B_{\bar{N}}(2N+30))+B_{\bar{N}}(2N+31-B_{\bar{N}}(2N+29))+B_{\bar{N}}(2N+31-B_{\bar{N}}(2N+28))\\ &= B_{\bar{N}}(2N+31-(2N+10))+B_{\bar{N}}(2N+31-(2N+27))+B_{\bar{N}}(2N+31-33)\\ &= B_{\bar{N}}(21)+B_{\bar{N}}(4)+B_{\bar{N}}(2N-2)=21+4+(2N-1)=\mathbf{2N+24}\\ &(N\geq 69)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+32)} &= B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+31))+B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+30))+B_{\bar{N}}(2N+32-B_{\bar{N}}(2N+29))\\ &= B_{\bar{N}}(2N+32-(2N+24))+B_{\bar{N}}(2N+32-(2N+10))+B_{\bar{N}}(2N+32-(2N+27))\\ &= B_{\bar{N}}(8)+B_{\bar{N}}(22)+B_{\bar{N}}(5)=8+22+5=\mathbf{35}\\ &(N\geq 22)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+33)} &= B_{\bar{N}}(2N+33-B_{\bar{N}}(2N+32))+B_{\bar{N}}(2N+33-B_{\bar{N}}(2N+31))+B_{\bar{N}}(2N+33-B_{\bar{N}}(2N+30))\\ &= B_{\bar{N}}(2N+33-35)+B_{\bar{N}}(2N+33-(2N+24))+B_{\bar{N}}(2N+33-(2N+10))\\ &= B_{\bar{N}}(2N-2)+B_{\bar{N}}(9)+B_{\bar{N}}(23)=(2N-1)+9+23=\mathbf{2N+31}\\ &(N\geq 69)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+34)} &= B_{\bar{N}}(2N+34-B_{\bar{N}}(2N+33))+B_{\bar{N}}(2N+34-B_{\bar{N}}(2N+32))+B_{\bar{N}}(2N+34-B_{\bar{N}}(2N+31))\\ &= B_{\bar{N}}(2N+34-(2N+31))+B_{\bar{N}}(2N+34-35)+B_{\bar{N}}(2N+34-(2N+24))\\ &= B_{\bar{N}}(3)+B_{\bar{N}}(2N-1)+B_{\bar{N}}(10)=3+(N+6)+10=\mathbf{N+19}\\ &(N\geq 19)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+35)} &= B_{\bar{N}}(2N+35-B_{\bar{N}}(2N+34))+B_{\bar{N}}(2N+35-B_{\bar{N}}(2N+33))+B_{\bar{N}}(2N+35-B_{\bar{N}}(2N+32))\\ &= B_{\bar{N}}(2N+35-(N+19))+B_{\bar{N}}(2N+35-(2N+31))+B_{\bar{N}}(2N+35-35)\\ &= B_{\bar{N}}(N+16)+B_{\bar{N}}(4)+B_{\bar{N}}(2N)=17+4+(N+1)=\mathbf{N+22}\\ &(N\geq 21)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+36)} &= B_{\bar{N}}(2N+36-B_{\bar{N}}(2N+35))+B_{\bar{N}}(2N+36-B_{\bar{N}}(2N+34))+B_{\bar{N}}(2N+36-B_{\bar{N}}(2N+33))\\ &= B_{\bar{N}}(2N+36-(N+22))+B_{\bar{N}}(2N+36-(N+19))+B_{\bar{N}}(2N+36-(2N+31))\\ &= B_{\bar{N}}(N+14)+B_{\bar{N}}(N+17)+B_{\bar{N}}(5)=(N+10)+(N+13)+5=\mathbf{2N+28}\\ &(N\geq 22)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+37)} &= B_{\bar{N}}(2N+37-B_{\bar{N}}(2N+36))+B_{\bar{N}}(2N+37-B_{\bar{N}}(2N+35))+B_{\bar{N}}(2N+37-B_{\bar{N}}(2N+34))\\ &= B_{\bar{N}}(2N+37-(2N+28))+B_{\bar{N}}(2N+37-(N+22))+B_{\bar{N}}(2N+37-(N+19))\\ &= B_{\bar{N}}(9)+B_{\bar{N}}(N+15)+B_{\bar{N}}(N+18)=9+(N+11)+18=\mathbf{N+38}\\ &(N\geq 23)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+38)} &= B_{\bar{N}}(2N+38-B_{\bar{N}}(2N+37))+B_{\bar{N}}(2N+38-B_{\bar{N}}(2N+36))+B_{\bar{N}}(2N+38-B_{\bar{N}}(2N+35))\\ &= B_{\bar{N}}(2N+38-(N+38))+B_{\bar{N}}(2N+38-(2N+28))+B_{\bar{N}}(2N+38-(N+22))\\ &= B_{\bar{N}}(N)+B_{\bar{N}}(10)+B_{\bar{N}}(N+16)=N+10+17=\mathbf{N+27}\\ &(N\geq 31)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+39)} &= B_{\bar{N}}(2N+39-B_{\bar{N}}(2N+38))+B_{\bar{N}}(2N+39-B_{\bar{N}}(2N+37))+B_{\bar{N}}(2N+39-B_{\bar{N}}(2N+36))\\ &= B_{\bar{N}}(2N+39-(N+27))+B_{\bar{N}}(2N+39-(N+38))+B_{\bar{N}}(2N+39-(2N+28))\\ &= B_{\bar{N}}(N+12)+B_{\bar{N}}(N+1)+B_{\bar{N}}(11)=(N+9)+6+11=\mathbf{N+26}\\ &(N\geq 32)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+40)} &= B_{\bar{N}}(2N+40-B_{\bar{N}}(2N+39))+B_{\bar{N}}(2N+40-B_{\bar{N}}(2N+38))+B_{\bar{N}}(2N+40-B_{\bar{N}}(2N+37))\\ &= B_{\bar{N}}(2N+40-(N+26))+B_{\bar{N}}(2N+40-(N+27))+B_{\bar{N}}(2N+40-(N+38))\\ &= B_{\bar{N}}(N+14)+B_{\bar{N}}(N+13)+B_{\bar{N}}(N+2)=(N+10)+15+(N+1)=\mathbf{2N+26}\\ &(N\geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+41)} &= B_{\bar{N}}(2N+41-B_{\bar{N}}(2N+40))+B_{\bar{N}}(2N+41-B_{\bar{N}}(2N+39))+B_{\bar{N}}(2N+41-B_{\bar{N}}(2N+38))\\ &= B_{\bar{N}}(2N+41-(2N+26))+B_{\bar{N}}(2N+41-(N+26))+B_{\bar{N}}(2N+41-(N+27))\\ &= B_{\bar{N}}(15)+B_{\bar{N}}(N+15)+B_{\bar{N}}(N+14)=15+(N+11)+(N+10)=\mathbf{2N+36}\\ &(N\geq 70)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+42)} &= B_{\bar{N}}(2N+42-B_{\bar{N}}(2N+41))+B_{\bar{N}}(2N+42-B_{\bar{N}}(2N+40))+B_{\bar{N}}(2N+42-B_{\bar{N}}(2N+39))\\ &= B_{\bar{N}}(2N+42-(2N+36))+B_{\bar{N}}(2N+42-(2N+26))+B_{\bar{N}}(2N+42-(N+26))\\ &= B_{\bar{N}}(6)+B_{\bar{N}}(16)+B_{\bar{N}}(N+16)=6+16+17=\mathbf{39}\\ &(N\geq 69)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+43)} &= B_{\bar{N}}(2N+43-B_{\bar{N}}(2N+42))+B_{\bar{N}}(2N+43-B_{\bar{N}}(2N+41))+B_{\bar{N}}(2N+43-B_{\bar{N}}(2N+40))\\ &= B_{\bar{N}}(2N+43-39)+B_{\bar{N}}(2N+43-(2N+36))+B_{\bar{N}}(2N+43-(2N+26))\\ &= B_{\bar{N}}(2N+4)+B_{\bar{N}}(7)+B_{\bar{N}}(17)=(N+5)+7+17=\mathbf{N+29}\\ &(N\geq 38)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+44)} &= B_{\bar{N}}(2N+44-B_{\bar{N}}(2N+43))+B_{\bar{N}}(2N+44-B_{\bar{N}}(2N+42))+B_{\bar{N}}(2N+44-B_{\bar{N}}(2N+41))\\ &= B_{\bar{N}}(2N+44-(N+29))+B_{\bar{N}}(2N+44-39)+B_{\bar{N}}(2N+44-(2N+36))\\ &= B_{\bar{N}}(N+15)+B_{\bar{N}}(2N+5)+B_{\bar{N}}(8)=(N+11)+2N+8=\mathbf{3N+19}\\ &(N\geq 39)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+45)} &= B_{\bar{N}}(2N+45-B_{\bar{N}}(2N+44))+B_{\bar{N}}(2N+45-B_{\bar{N}}(2N+43))+B_{\bar{N}}(2N+45-B_{\bar{N}}(2N+42))\\ &= B_{\bar{N}}(2N+45-(3N+19))+B_{\bar{N}}(2N+45-(N+29))+B_{\bar{N}}(2N+45-39)\\ &= B_{\bar{N}}(-N+26)+B_{\bar{N}}(N+16)+B_{\bar{N}}(2N+6)=0+17+15=\mathbf{32}\\ &(N\geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+46)} &= B_{\bar{N}}(2N+46-B_{\bar{N}}(2N+45))+B_{\bar{N}}(2N+46-B_{\bar{N}}(2N+44))+B_{\bar{N}}(2N+46-B_{\bar{N}}(2N+43))\\ &= B_{\bar{N}}(2N+46-32)+B_{\bar{N}}(2N+46-(3N+19))+B_{\bar{N}}(2N+46-(N+29))\\ &= B_{\bar{N}}(2N+14)+B_{\bar{N}}(-N+27)+B_{\bar{N}}(N+17)=(N+21)+0+(N+13)=\mathbf{2N+34}\\ &(N\geq 128)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+47)} &= B_{\bar{N}}(2N+47-B_{\bar{N}}(2N+46))+B_{\bar{N}}(2N+47-B_{\bar{N}}(2N+45))+B_{\bar{N}}(2N+47-B_{\bar{N}}(2N+44))\\ &= B_{\bar{N}}(2N+47-(2N+34))+B_{\bar{N}}(2N+47-32)+B_{\bar{N}}(2N+47-(3N+19))\\ &= B_{\bar{N}}(13)+B_{\bar{N}}(2N+15)+B_{\bar{N}}(-N+28)=13+(N+5)+0=\mathbf{N+18}\\ &(N\geq 135)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+48)} &= B_{\bar{N}}(2N+48-B_{\bar{N}}(2N+47))+B_{\bar{N}}(2N+48-B_{\bar{N}}(2N+46))+B_{\bar{N}}(2N+48-B_{\bar{N}}(2N+45))\\ &= B_{\bar{N}}(2N+48-(N+18))+B_{\bar{N}}(2N+48-(2N+34))+B_{\bar{N}}(2N+48-32)\\ &= B_{\bar{N}}(N+30)+B_{\bar{N}}(14)+B_{\bar{N}}(2N+16)=(N+9)+14+(2N+6)=\mathbf{3N+29}\\ &(N\geq 142)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+49)} &= B_{\bar{N}}(2N+49-B_{\bar{N}}(2N+48))+B_{\bar{N}}(2N+49-B_{\bar{N}}(2N+47))+B_{\bar{N}}(2N+49-B_{\bar{N}}(2N+46))\\ &= B_{\bar{N}}(2N+49-(3N+29))+B_{\bar{N}}(2N+49-(N+18))+B_{\bar{N}}(2N+49-(2N+34))\\ &= B_{\bar{N}}(-N+20)+B_{\bar{N}}(N+31)+B_{\bar{N}}(15)=0+22+15=\mathbf{37}\\ &(N\geq 22)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+50)} &= B_{\bar{N}}(2N+50-B_{\bar{N}}(2N+49))+B_{\bar{N}}(2N+50-B_{\bar{N}}(2N+48))+B_{\bar{N}}(2N+50-B_{\bar{N}}(2N+47))\\ &= B_{\bar{N}}(2N+50-37)+B_{\bar{N}}(2N+50-(3N+29))+B_{\bar{N}}(2N+50-(N+18))\\ &= B_{\bar{N}}(2N+13)+B_{\bar{N}}(-N+21)+B_{\bar{N}}(N+32)=(2N+13)+0+(N+30)=\mathbf{3N+43}\\ &(N\geq 21)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+51)} &= B_{\bar{N}}(2N+51-B_{\bar{N}}(2N+50))+B_{\bar{N}}(2N+51-B_{\bar{N}}(2N+49))+B_{\bar{N}}(2N+51-B_{\bar{N}}(2N+48))\\ &= B_{\bar{N}}(2N+51-(3N+43))+B_{\bar{N}}(2N+51-37)+B_{\bar{N}}(2N+51-(3N+29))\\ &= B_{\bar{N}}(-N+8)+B_{\bar{N}}(2N+14)+B_{\bar{N}}(-N+22)=0+(N+21)+0=\mathbf{N+21}\\ &(N\geq 39)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+52)} &= B_{\bar{N}}(2N+52-B_{\bar{N}}(2N+51))+B_{\bar{N}}(2N+52-B_{\bar{N}}(2N+50))+B_{\bar{N}}(2N+52-B_{\bar{N}}(2N+49))\\ &= B_{\bar{N}}(2N+52-(N+21))+B_{\bar{N}}(2N+52-(3N+43))+B_{\bar{N}}(2N+52-37)\\ &= B_{\bar{N}}(N+31)+B_{\bar{N}}(-N+9)+B_{\bar{N}}(2N+15)=22+0+(N+5)=\mathbf{N+27}\\ &(N\geq 55)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+53)} &= B_{\bar{N}}(2N+53-B_{\bar{N}}(2N+52))+B_{\bar{N}}(2N+53-B_{\bar{N}}(2N+51))+B_{\bar{N}}(2N+53-B_{\bar{N}}(2N+50))\\ &= B_{\bar{N}}(2N+53-(N+27))+B_{\bar{N}}(2N+53-(N+21))+B_{\bar{N}}(2N+53-(3N+43))\\ &= B_{\bar{N}}(N+26)+B_{\bar{N}}(N+32)+B_{\bar{N}}(-N+10)=9+(N+30)+0=\mathbf{N+39}\\ &(N\geq 69)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+54)} &= B_{\bar{N}}(2N+54-B_{\bar{N}}(2N+53))+B_{\bar{N}}(2N+54-B_{\bar{N}}(2N+52))+B_{\bar{N}}(2N+54-B_{\bar{N}}(2N+51))\\ &= B_{\bar{N}}(2N+54-(N+39))+B_{\bar{N}}(2N+54-(N+27))+B_{\bar{N}}(2N+54-(N+21))\\ &= B_{\bar{N}}(N+15)+B_{\bar{N}}(N+27)+B_{\bar{N}}(N+33)=(N+11)+18+(N+35)=\mathbf{2N+64}\\ &(N\geq 57)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+55)} &= B_{\bar{N}}(2N+55-B_{\bar{N}}(2N+54))+B_{\bar{N}}(2N+55-B_{\bar{N}}(2N+53))+B_{\bar{N}}(2N+55-B_{\bar{N}}(2N+52))\\ &= B_{\bar{N}}(2N+55-(2N+64))+B_{\bar{N}}(2N+55-(N+39))+B_{\bar{N}}(2N+55-(N+27))\\ &= B_{\bar{N}}(-9)+B_{\bar{N}}(N+16)+B_{\bar{N}}(N+28)=0+17+(2N+20)=\mathbf{2N+37}\\ &(N\geq 43)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+56)} &= B_{\bar{N}}(2N+56-B_{\bar{N}}(2N+55))+B_{\bar{N}}(2N+56-B_{\bar{N}}(2N+54))+B_{\bar{N}}(2N+56-B_{\bar{N}}(2N+53))\\ &= B_{\bar{N}}(2N+56-(2N+37))+B_{\bar{N}}(2N+56-(2N+64))+B_{\bar{N}}(2N+56-(N+39))\\ &= B_{\bar{N}}(19)+B_{\bar{N}}(-8)+B_{\bar{N}}(N+17)=19+0+(N+13)=\mathbf{N+32}\\ &(N\geq 44)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+57)} &= B_{\bar{N}}(2N+57-B_{\bar{N}}(2N+56))+B_{\bar{N}}(2N+57-B_{\bar{N}}(2N+55))+B_{\bar{N}}(2N+57-B_{\bar{N}}(2N+54))\\ &= B_{\bar{N}}(2N+57-(N+32))+B_{\bar{N}}(2N+57-(2N+37))+B_{\bar{N}}(2N+57-(2N+64))\\ &= B_{\bar{N}}(N+25)+B_{\bar{N}}(20)+B_{\bar{N}}(-7)=(2N+5)+20+0=\mathbf{2N+25}\\ &(N\geq 45)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+58)} &= B_{\bar{N}}(2N+58-B_{\bar{N}}(2N+57))+B_{\bar{N}}(2N+58-B_{\bar{N}}(2N+56))+B_{\bar{N}}(2N+58-B_{\bar{N}}(2N+55))\\ &= B_{\bar{N}}(2N+58-(2N+25))+B_{\bar{N}}(2N+58-(N+32))+B_{\bar{N}}(2N+58-(2N+37))\\ &= B_{\bar{N}}(33)+B_{\bar{N}}(N+26)+B_{\bar{N}}(21)=33+9+21=\mathbf{63}\\ &(N\geq 33)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+59)} &= B_{\bar{N}}(2N+59-B_{\bar{N}}(2N+58))+B_{\bar{N}}(2N+59-B_{\bar{N}}(2N+57))+B_{\bar{N}}(2N+59-B_{\bar{N}}(2N+56))\\ &= B_{\bar{N}}(2N+59-63)+B_{\bar{N}}(2N+59-(2N+25))+B_{\bar{N}}(2N+59-(N+32))\\ &= B_{\bar{N}}(2N-4)+B_{\bar{N}}(34)+B_{\bar{N}}(N+27)=(N-2)+34+18=\mathbf{N+50}\\ &(N\geq 71)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+60)} &= B_{\bar{N}}(2N+60-B_{\bar{N}}(2N+59))+B_{\bar{N}}(2N+60-B_{\bar{N}}(2N+58))+B_{\bar{N}}(2N+60-B_{\bar{N}}(2N+57))\\ &= B_{\bar{N}}(2N+60-(N+50))+B_{\bar{N}}(2N+60-63)+B_{\bar{N}}(2N+60-(2N+25))\\ &= B_{\bar{N}}(N+10)+B_{\bar{N}}(2N-3)+B_{\bar{N}}(35)=(N+7)+(N-1)+35=\mathbf{2N+41}\\ &(N\geq 70)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+61)} &= B_{\bar{N}}(2N+61-B_{\bar{N}}(2N+60))+B_{\bar{N}}(2N+61-B_{\bar{N}}(2N+59))+B_{\bar{N}}(2N+61-B_{\bar{N}}(2N+58))\\ &= B_{\bar{N}}(2N+61-(2N+41))+B_{\bar{N}}(2N+61-(N+50))+B_{\bar{N}}(2N+61-63)\\ &= B_{\bar{N}}(20)+B_{\bar{N}}(N+11)+B_{\bar{N}}(2N-2)=20+(N+8)+(2N-1)=\mathbf{3N+27}\\ &(N\geq 69)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+62)} &= B_{\bar{N}}(2N+62-B_{\bar{N}}(2N+61))+B_{\bar{N}}(2N+62-B_{\bar{N}}(2N+60))+B_{\bar{N}}(2N+62-B_{\bar{N}}(2N+59))\\ &= B_{\bar{N}}(2N+62-(3N+27))+B_{\bar{N}}(2N+62-(2N+41))+B_{\bar{N}}(2N+62-(N+50))\\ &= B_{\bar{N}}(-N+35)+B_{\bar{N}}(21)+B_{\bar{N}}(N+12)=0+21+(N+9)=\mathbf{N+30}\\ &(N\geq 43)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+63)} &= B_{\bar{N}}(2N+63-B_{\bar{N}}(2N+62))+B_{\bar{N}}(2N+63-B_{\bar{N}}(2N+61))+B_{\bar{N}}(2N+63-B_{\bar{N}}(2N+60))\\ &= B_{\bar{N}}(2N+63-(N+30))+B_{\bar{N}}(2N+63-(3N+27))+B_{\bar{N}}(2N+63-(2N+41))\\ &= B_{\bar{N}}(N+33)+B_{\bar{N}}(-N+36)+B_{\bar{N}}(22)=(N+35)+0+22=\mathbf{N+57}\\ &(N\geq 36)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+64)} &= B_{\bar{N}}(2N+64-B_{\bar{N}}(2N+63))+B_{\bar{N}}(2N+64-B_{\bar{N}}(2N+62))+B_{\bar{N}}(2N+64-B_{\bar{N}}(2N+61))\\ &= B_{\bar{N}}(2N+64-(N+57))+B_{\bar{N}}(2N+64-(N+30))+B_{\bar{N}}(2N+64-(3N+27))\\ &= B_{\bar{N}}(N+7)+B_{\bar{N}}(N+34)+B_{\bar{N}}(-N+37)=(N+5)+(N+13)+0=\mathbf{2N+18}\\ &(N\geq 42)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+65)} &= B_{\bar{N}}(2N+65-B_{\bar{N}}(2N+64))+B_{\bar{N}}(2N+65-B_{\bar{N}}(2N+63))+B_{\bar{N}}(2N+65-B_{\bar{N}}(2N+62))\\ &= B_{\bar{N}}(2N+65-(2N+18))+B_{\bar{N}}(2N+65-(N+57))+B_{\bar{N}}(2N+65-(N+30))\\ &= B_{\bar{N}}(47)+B_{\bar{N}}(N+8)+B_{\bar{N}}(N+35)=47+(N+6)+27=\mathbf{N+80}\\ &(N\geq 57)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+66)} &= B_{\bar{N}}(2N+66-B_{\bar{N}}(2N+65))+B_{\bar{N}}(2N+66-B_{\bar{N}}(2N+64))+B_{\bar{N}}(2N+66-B_{\bar{N}}(2N+63))\\ &= B_{\bar{N}}(2N+66-(N+80))+B_{\bar{N}}(2N+66-(2N+18))+B_{\bar{N}}(2N+66-(N+57))\\ &= B_{\bar{N}}(N-14)+B_{\bar{N}}(48)+B_{\bar{N}}(N+9)=(N-14)+48+12=\mathbf{N+46}\\ &(N\geq 58)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+67)} &= B_{\bar{N}}(2N+67-B_{\bar{N}}(2N+66))+B_{\bar{N}}(2N+67-B_{\bar{N}}(2N+65))+B_{\bar{N}}(2N+67-B_{\bar{N}}(2N+64))\\ &= B_{\bar{N}}(2N+67-(N+46))+B_{\bar{N}}(2N+67-(N+80))+B_{\bar{N}}(2N+67-(2N+18))\\ &= B_{\bar{N}}(N+21)+B_{\bar{N}}(N-13)+B_{\bar{N}}(49)=(N+16)+(N-13)+49=\mathbf{2N+52}\\ &(N\geq 59)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+68)} &= B_{\bar{N}}(2N+68-B_{\bar{N}}(2N+67))+B_{\bar{N}}(2N+68-B_{\bar{N}}(2N+66))+B_{\bar{N}}(2N+68-B_{\bar{N}}(2N+65))\\ &= B_{\bar{N}}(2N+68-(2N+52))+B_{\bar{N}}(2N+68-(N+46))+B_{\bar{N}}(2N+68-(N+80))\\ &= B_{\bar{N}}(16)+B_{\bar{N}}(N+22)+B_{\bar{N}}(N-12)=16+22+(N-12)=\mathbf{N+26}\\ &(N\geq 21)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+69)} &= B_{\bar{N}}(2N+69-B_{\bar{N}}(2N+68))+B_{\bar{N}}(2N+69-B_{\bar{N}}(2N+67))+B_{\bar{N}}(2N+69-B_{\bar{N}}(2N+66))\\ &= B_{\bar{N}}(2N+69-(N+26))+B_{\bar{N}}(2N+69-(2N+52))+B_{\bar{N}}(2N+69-(N+46))\\ &= B_{\bar{N}}(N+43)+B_{\bar{N}}(17)+B_{\bar{N}}(N+23)=(N+8)+17+21=\mathbf{N+46}\\ &(N\geq 49)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+70)} &= B_{\bar{N}}(2N+70-B_{\bar{N}}(2N+69))+B_{\bar{N}}(2N+70-B_{\bar{N}}(2N+68))+B_{\bar{N}}(2N+70-B_{\bar{N}}(2N+67))\\ &= B_{\bar{N}}(2N+70-(N+46))+B_{\bar{N}}(2N+70-(N+26))+B_{\bar{N}}(2N+70-(2N+52))\\ &= B_{\bar{N}}(N+24)+B_{\bar{N}}(N+44)+B_{\bar{N}}(18)=(2N+11)+42+18=\mathbf{2N+71}\\ &(N\geq 73)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+71)} &= B_{\bar{N}}(2N+71-B_{\bar{N}}(2N+70))+B_{\bar{N}}(2N+71-B_{\bar{N}}(2N+69))+B_{\bar{N}}(2N+71-B_{\bar{N}}(2N+68))\\ &= B_{\bar{N}}(2N+71-(2N+71))+B_{\bar{N}}(2N+71-(N+46))+B_{\bar{N}}(2N+71-(N+26))\\ &= B_{\bar{N}}(0)+B_{\bar{N}}(N+25)+B_{\bar{N}}(N+45)=0+(2N+5)+(N+40)=\mathbf{3N+45}\\ &(N\geq 108)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+72)} &= B_{\bar{N}}(2N+72-B_{\bar{N}}(2N+71))+B_{\bar{N}}(2N+72-B_{\bar{N}}(2N+70))+B_{\bar{N}}(2N+72-B_{\bar{N}}(2N+69))\\ &= B_{\bar{N}}(2N+72-(3N+45))+B_{\bar{N}}(2N+72-(2N+71))+B_{\bar{N}}(2N+72-(N+46))\\ &= B_{\bar{N}}(-N+27)+B_{\bar{N}}(1)+B_{\bar{N}}(N+26)=0+1+9=\mathbf{10}\\ &(N\geq 107)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+73)} &= B_{\bar{N}}(2N+73-B_{\bar{N}}(2N+72))+B_{\bar{N}}(2N+73-B_{\bar{N}}(2N+71))+B_{\bar{N}}(2N+73-B_{\bar{N}}(2N+70))\\ &= B_{\bar{N}}(2N+73-10)+B_{\bar{N}}(2N+73-(3N+45))+B_{\bar{N}}(2N+73-(2N+71))\\ &= B_{\bar{N}}(2N+63)+B_{\bar{N}}(-N+28)+B_{\bar{N}}(2)=(N+57)+0+2=\mathbf{N+59}\\ &(N\geq 106)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+74)} &= B_{\bar{N}}(2N+74-B_{\bar{N}}(2N+73))+B_{\bar{N}}(2N+74-B_{\bar{N}}(2N+72))+B_{\bar{N}}(2N+74-B_{\bar{N}}(2N+71))\\ &= B_{\bar{N}}(2N+74-(N+59))+B_{\bar{N}}(2N+74-10)+B_{\bar{N}}(2N+74-(3N+45))\\ &= B_{\bar{N}}(N+15)+B_{\bar{N}}(2N+64)+B_{\bar{N}}(-N+29)=(N+11)+(2N+18)+0=\mathbf{3N+29}\\ &(N\geq 74)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+75)} &= B_{\bar{N}}(2N+75-B_{\bar{N}}(2N+74))+B_{\bar{N}}(2N+75-B_{\bar{N}}(2N+73))+B_{\bar{N}}(2N+75-B_{\bar{N}}(2N+72))\\ &= B_{\bar{N}}(2N+75-(3N+29))+B_{\bar{N}}(2N+75-(N+59))+B_{\bar{N}}(2N+75-10)\\ &= B_{\bar{N}}(-N+46)+B_{\bar{N}}(N+16)+B_{\bar{N}}(2N+65)=0+17+(N+80)=\mathbf{N+97}\\ &(N\geq 80)\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+76)} &= B_{\bar{N}}(2N+76-B_{\bar{N}}(2N+75))+B_{\bar{N}}(2N+76-B_{\bar{N}}(2N+74))+B_{\bar{N}}(2N+76-B_{\bar{N}}(2N+73)) \\
&= B_{\bar{N}}(2N+76-(N+97))+B_{\bar{N}}(2N+76-(3N+29))+B_{\bar{N}}(2N+76-(N+59)) \\
&= B_{\bar{N}}(N-21)+B_{\bar{N}}(-N+47)+B_{\bar{N}}(N+17) = (N-21)+0+(N+13) = \mathbf{2N-8} \\
&(N \geq 81)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+77)} &= B_{\bar{N}}(2N+77-B_{\bar{N}}(2N+76))+B_{\bar{N}}(2N+77-B_{\bar{N}}(2N+75))+B_{\bar{N}}(2N+77-B_{\bar{N}}(2N+74)) \\
&= B_{\bar{N}}(2N+77-(2N-8))+B_{\bar{N}}(2N+77-(N+97))+B_{\bar{N}}(2N+77-(3N+29)) \\
&= B_{\bar{N}}(85)+B_{\bar{N}}(N-20)+B_{\bar{N}}(-N+48) = 85+(N-20)+0 = \mathbf{N+65} \\
&(N \geq 85)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+78)} &= B_{\bar{N}}(2N+78-B_{\bar{N}}(2N+77))+B_{\bar{N}}(2N+78-B_{\bar{N}}(2N+76))+B_{\bar{N}}(2N+78-B_{\bar{N}}(2N+75)) \\
&= B_{\bar{N}}(2N+78-(N+65))+B_{\bar{N}}(2N+78-(2N-8))+B_{\bar{N}}(2N+78-(N+97)) \\
&= B_{\bar{N}}(N+13)+B_{\bar{N}}(86)+B_{\bar{N}}(N-19) = 15+86+(N-19) = \mathbf{N+82} \\
&(N \geq 86)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+79)} &= B_{\bar{N}}(2N+79-B_{\bar{N}}(2N+78))+B_{\bar{N}}(2N+79-B_{\bar{N}}(2N+77))+B_{\bar{N}}(2N+79-B_{\bar{N}}(2N+76)) \\
&= B_{\bar{N}}(2N+79-(N+82))+B_{\bar{N}}(2N+79-(N+65))+B_{\bar{N}}(2N+79-(2N-8)) \\
&= B_{\bar{N}}(N-3)+B_{\bar{N}}(N+14)+B_{\bar{N}}(87) = (N-3)+(N+10)+87 = \mathbf{2N+94} \\
&(N \geq 87)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+80)} &= B_{\bar{N}}(2N+80-B_{\bar{N}}(2N+79))+B_{\bar{N}}(2N+80-B_{\bar{N}}(2N+78))+B_{\bar{N}}(2N+80-B_{\bar{N}}(2N+77)) \\
&= B_{\bar{N}}(2N+80-(2N+94))+B_{\bar{N}}(2N+80-(N+82))+B_{\bar{N}}(2N+80-(N+65)) \\
&= B_{\bar{N}}(-14)+B_{\bar{N}}(N-2)+B_{\bar{N}}(N+15) = 0+(N-2)+(N+11) = \mathbf{2N+9} \\
&(N \geq 82)
\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+81)} &= B_{\bar{N}}(2N+81-B_{\bar{N}}(2N+80))+B_{\bar{N}}(2N+81-B_{\bar{N}}(2N+79))+B_{\bar{N}}(2N+81-B_{\bar{N}}(2N+78))\\ &= B_{\bar{N}}(2N+81-(2N+9))+B_{\bar{N}}(2N+81-(2N+94))+B_{\bar{N}}(2N+81-(N+82))\\ &= B_{\bar{N}}(72)+B_{\bar{N}}(-13)+B_{\bar{N}}(N-1)=72+0+(N-1)=\mathbf{N+71}\\ &(N\geq 83)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+82)} &= B_{\bar{N}}(2N+82-B_{\bar{N}}(2N+81))+B_{\bar{N}}(2N+82-B_{\bar{N}}(2N+80))+B_{\bar{N}}(2N+82-B_{\bar{N}}(2N+79))\\ &= B_{\bar{N}}(2N+82-(N+71))+B_{\bar{N}}(2N+82-(2N+9))+B_{\bar{N}}(2N+82-(2N+94))\\ &= B_{\bar{N}}(N+11)+B_{\bar{N}}(73)+B_{\bar{N}}(-12)=(N+8)+73+0=\mathbf{N+81}\\ &(N\geq 74)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+83)} &= B_{\bar{N}}(2N+83-B_{\bar{N}}(2N+82))+B_{\bar{N}}(2N+83-B_{\bar{N}}(2N+81))+B_{\bar{N}}(2N+83-B_{\bar{N}}(2N+80))\\ &= B_{\bar{N}}(2N+83-(N+81))+B_{\bar{N}}(2N+83-(N+71))+B_{\bar{N}}(2N+83-(2N+9))\\ &= B_{\bar{N}}(N+2)+B_{\bar{N}}(N+12)+B_{\bar{N}}(74)=(N+1)+(N+9)+74=\mathbf{2N+84}\\ &(N\geq 87)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+84)} &= B_{\bar{N}}(2N+84-B_{\bar{N}}(2N+83))+B_{\bar{N}}(2N+84-B_{\bar{N}}(2N+82))+B_{\bar{N}}(2N+84-B_{\bar{N}}(2N+81))\\ &= B_{\bar{N}}(2N+84-(2N+84))+B_{\bar{N}}(2N+84-(N+81))+B_{\bar{N}}(2N+84-(N+71))\\ &= B_{\bar{N}}(0)+B_{\bar{N}}(N+3)+B_{\bar{N}}(N+13)=0+(N+2)+15=\mathbf{N+17}\\ &(N\geq 88)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+85)} &= B_{\bar{N}}(2N+85-B_{\bar{N}}(2N+84))+B_{\bar{N}}(2N+85-B_{\bar{N}}(2N+83))+B_{\bar{N}}(2N+85-B_{\bar{N}}(2N+82))\\ &= B_{\bar{N}}(2N+85-(N+17))+B_{\bar{N}}(2N+85-(2N+84))+B_{\bar{N}}(2N+85-(N+81))\\ &= B_{\bar{N}}(N+68)+B_{\bar{N}}(1)+B_{\bar{N}}(N+4)=(2N+2)+1+(N+3)=\mathbf{3N+6}\\ &(N\geq 89)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+86)} &= B_{\bar{N}}(2N+86-B_{\bar{N}}(2N+85))+B_{\bar{N}}(2N+86-B_{\bar{N}}(2N+84))+B_{\bar{N}}(2N+86-B_{\bar{N}}(2N+83))\\ &= B_{\bar{N}}(2N+86-(3N+6))+B_{\bar{N}}(2N+86-(N+17))+B_{\bar{N}}(2N+86-(2N+84))\\ &= B_{\bar{N}}(-N+80)+B_{\bar{N}}(N+69)+B_{\bar{N}}(2)=0+(N-2)+2=\mathbf{N}\\ &(N\geq 80)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+87)} &= B_{\bar{N}}(2N+87-B_{\bar{N}}(2N+86))+B_{\bar{N}}(2N+87-B_{\bar{N}}(2N+85))+B_{\bar{N}}(2N+87-B_{\bar{N}}(2N+84))\\ &= B_{\bar{N}}(2N+87-N)+B_{\bar{N}}(2N+87-(3N+6))+B_{\bar{N}}(2N+87-(N+17))\\ &= B_{\bar{N}}(N+87)+B_{\bar{N}}(-N+81)+B_{\bar{N}}(N+70)=7+0+72=\mathbf{79}\\ &(N\geq 85)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+88)} &= B_{\bar{N}}(2N+88-B_{\bar{N}}(2N+87))+B_{\bar{N}}(2N+88-B_{\bar{N}}(2N+86))+B_{\bar{N}}(2N+88-B_{\bar{N}}(2N+85))\\ &= B_{\bar{N}}(2N+88-79)+B_{\bar{N}}(2N+88-N)+B_{\bar{N}}(2N+88-(3N+6))\\ &= B_{\bar{N}}(2N+9)+B_{\bar{N}}(N+88)+B_{\bar{N}}(-N+82)=\left(\frac{32N}{7}+\frac{590}{7}\right)+(2N+69)+0=\frac{\mathbf{46N}}{\mathbf{7}}+\frac{\mathbf{1073}}{\mathbf{7}}\\ &(N\geq 86)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+89)} &= B_{\bar{N}}(2N+89-B_{\bar{N}}(2N+88))+B_{\bar{N}}(2N+89-B_{\bar{N}}(2N+87))+B_{\bar{N}}(2N+89-B_{\bar{N}}(2N+86))\\ &= B_{\bar{N}}\left(2N+89-\left(\frac{46N}{7}+\frac{1073}{7}\right)\right)+B_{\bar{N}}(2N+89-79)+B_{\bar{N}}(2N+89-N)\\ &= B_{\bar{N}}\left(-\frac{32N}{7}-\frac{450}{7}\right)+B_{\bar{N}}(2N+10)+B_{\bar{N}}(N+89)=0+\left(\frac{15N}{7}-\frac{59}{7}\right)+(2N+5)=\frac{\mathbf{29N}}{\mathbf{7}}-\frac{\mathbf{24}}{\mathbf{7}}\\ &(N\geq 87)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+90)} = B_{\bar{N}}(2N+90-B_{\bar{N}}(2N+89)) + B_{\bar{N}}(2N+90-B_{\bar{N}}(2N+88)) + B_{\bar{N}}(2N+90-B_{\bar{N}}(2N+87))$$
$$= B_{\bar{N}}\left(2N+90-\left(\frac{29N}{7}-\frac{24}{7}\right)\right) + B_{\bar{N}}\left(2N+90-\left(\frac{46N}{7}+\frac{1073}{7}\right)\right) + B_{\bar{N}}(2N+90-79)$$
$$= B_{\bar{N}}\left(-\frac{15N}{7}+\frac{654}{7}\right) + B_{\bar{N}}\left(-\frac{32N}{7}-\frac{443}{7}\right) + B_{\bar{N}}(2N+11) = 0+0+(N-2) = \mathbf{N-2}$$
$$(N \geq 148)$$

$$\mathbf{B_{\bar{N}}(2N+91)} = B_{\bar{N}}(2N+91-B_{\bar{N}}(2N+90)) + B_{\bar{N}}(2N+91-B_{\bar{N}}(2N+89)) + B_{\bar{N}}(2N+91-B_{\bar{N}}(2N+88))$$
$$= B_{\bar{N}}(2N+91-(N-2)) + B_{\bar{N}}\left(2N+91-\left(\frac{29N}{7}-\frac{24}{7}\right)\right) + B_{\bar{N}}\left(2N+91-\left(\frac{46N}{7}+\frac{1073}{7}\right)\right)$$
$$= B_{\bar{N}}(N+93) + B_{\bar{N}}\left(-\frac{15N}{7}+\frac{661}{7}\right) + B_{\bar{N}}\left(-\frac{32N}{7}-\frac{436}{7}\right) = (N+95)+0+0 = \mathbf{N+95}$$
$$(N \geq 147)$$

$$\mathbf{B_{\bar{N}}(2N+92)} = B_{\bar{N}}(2N+92-B_{\bar{N}}(2N+91)) + B_{\bar{N}}(2N+92-B_{\bar{N}}(2N+90)) + B_{\bar{N}}(2N+92-B_{\bar{N}}(2N+89))$$
$$= B_{\bar{N}}(2N+92-(N+95)) + B_{\bar{N}}(2N+92-(N-2)) + B_{\bar{N}}\left(2N+92-\left(\frac{29N}{7}-\frac{24}{7}\right)\right)$$
$$= B_{\bar{N}}(N-3) + B_{\bar{N}}(N+94) + B_{\bar{N}}\left(-\frac{15N}{7}+\frac{668}{7}\right) = (N-3)+7+0 = \mathbf{N+4}$$
$$(N \geq 146)$$

$$\mathbf{B_{\bar{N}}(2N+93)} = B_{\bar{N}}(2N+93-B_{\bar{N}}(2N+92)) + B_{\bar{N}}(2N+93-B_{\bar{N}}(2N+91)) + B_{\bar{N}}(2N+93-B_{\bar{N}}(2N+90))$$
$$= B_{\bar{N}}(2N+93-(N+4)) + B_{\bar{N}}(2N+93-(N+95)) + B_{\bar{N}}(2N+93-(N-2))$$
$$= B_{\bar{N}}(N+89) + B_{\bar{N}}(N-2) + B_{\bar{N}}(N+95) = (2N+5)+(N-2)+(2N+71) = \mathbf{5N+74}$$
$$(N \geq 165)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+94)} &= B_{\bar{N}}(2N+94-B_{\bar{N}}(2N+93))+B_{\bar{N}}(2N+94-B_{\bar{N}}(2N+92))+B_{\bar{N}}(2N+94-B_{\bar{N}}(2N+91))\\ &= B_{\bar{N}}(2N+94-(5N+74))+B_{\bar{N}}(2N+94-(N+4))+B_{\bar{N}}(2N+94-(N+95))\\ &= B_{\bar{N}}(-3N+20)+B_{\bar{N}}(N+90)+B_{\bar{N}}(N-1)=0+(N-2)+(N-1)=\mathbf{2N-3}\\ &(N\geq 166)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+95)} &= B_{\bar{N}}(2N+95-B_{\bar{N}}(2N+94))+B_{\bar{N}}(2N+95-B_{\bar{N}}(2N+93))+B_{\bar{N}}(2N+95-B_{\bar{N}}(2N+92))\\ &= B_{\bar{N}}(2N+95-(2N-3))+B_{\bar{N}}(2N+95-(5N+74))+B_{\bar{N}}(2N+95-(N+4))\\ &= B_{\bar{N}}(98)+B_{\bar{N}}(-3N+21)+B_{\bar{N}}(N+91)=98+0+93=\mathbf{191}\\ &(N\geq 167)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+96)} &= B_{\bar{N}}(2N+96-B_{\bar{N}}(2N+95))+B_{\bar{N}}(2N+96-B_{\bar{N}}(2N+94))+B_{\bar{N}}(2N+96-B_{\bar{N}}(2N+93))\\ &= B_{\bar{N}}(2N+96-191)+B_{\bar{N}}(2N+96-(2N-3))+B_{\bar{N}}(2N+96-(5N+74))\\ &= B_{\bar{N}}(2N-95)+B_{\bar{N}}(99)+B_{\bar{N}}(-3N+22)=(N-2)+99+0=\mathbf{N+97}\\ &(N\geq 162)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+97)} &= B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+96))+B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+95))+B_{\bar{N}}(2N+97-B_{\bar{N}}(2N+94))\\ &= B_{\bar{N}}(2N+97-(N+97))+B_{\bar{N}}(2N+97-191)+B_{\bar{N}}(2N+97-(2N-3))\\ &= B_{\bar{N}}(N)+B_{\bar{N}}(2N-94)+B_{\bar{N}}(100)=N+(N-92)+100=\mathbf{2N+8}\\ &(N\geq 166)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+98)} &= B_{\bar{N}}(2N+98-B_{\bar{N}}(2N+97))+B_{\bar{N}}(2N+98-B_{\bar{N}}(2N+96))+B_{\bar{N}}(2N+98-B_{\bar{N}}(2N+95))\\ &= B_{\bar{N}}(2N+98-(2N+8))+B_{\bar{N}}(2N+98-(N+97))+B_{\bar{N}}(2N+98-191)\\ &= B_{\bar{N}}(90)+B_{\bar{N}}(N+1)+B_{\bar{N}}(2N-93)=90+6+(2N-92)=\mathbf{2N+4}\\ &(N\geq 167)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+99)} &= B_{\bar{N}}(2N+99-B_{\bar{N}}(2N+98))+B_{\bar{N}}(2N+99-B_{\bar{N}}(2N+97))+B_{\bar{N}}(2N+99-B_{\bar{N}}(2N+96))\\ &= B_{\bar{N}}(2N+99-(2N+4))+B_{\bar{N}}(2N+99-(2N+8))+B_{\bar{N}}(2N+99-(N+97))\\ &= B_{\bar{N}}(95)+B_{\bar{N}}(91)+B_{\bar{N}}(N+2)=95+91+(N+1)=\mathbf{N+187}\\ &(N\geq 168)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+100)} &= B_{\bar{N}}(2N+100-B_{\bar{N}}(2N+99))+B_{\bar{N}}(2N+100-B_{\bar{N}}(2N+98))+B_{\bar{N}}(2N+100-B_{\bar{N}}(2N+97))\\ &= B_{\bar{N}}(2N+100-(N+187))+B_{\bar{N}}(2N+100-(2N+4))+B_{\bar{N}}(2N+100-(2N+8))\\ &= B_{\bar{N}}(N-87)+B_{\bar{N}}(96)+B_{\bar{N}}(92)=(N-87)+96+92=\mathbf{N+101}\\ &(N\geq 96)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+101)} &= B_{\bar{N}}(2N+101-B_{\bar{N}}(2N+100))+B_{\bar{N}}(2N+101-B_{\bar{N}}(2N+99))+B_{\bar{N}}(2N+101-B_{\bar{N}}(2N+98))\\ &= B_{\bar{N}}(2N+101-(N+101))+B_{\bar{N}}(2N+101-(N+187))+B_{\bar{N}}(2N+101-(2N+4))\\ &= B_{\bar{N}}(N)+B_{\bar{N}}(N-86)+B_{\bar{N}}(97)=N+(N-86)+97=\mathbf{2N+11}\\ &(N\geq 167)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+102)} &= B_{\bar{N}}(2N+102-B_{\bar{N}}(2N+101))+B_{\bar{N}}(2N+102-B_{\bar{N}}(2N+100))+B_{\bar{N}}(2N+102-B_{\bar{N}}(2N+99))\\ &= B_{\bar{N}}(2N+102-(2N+11))+B_{\bar{N}}(2N+102-(N+101))+B_{\bar{N}}(2N+102-(N+187))\\ &= B_{\bar{N}}(91)+B_{\bar{N}}(N+1)+B_{\bar{N}}(N-85)=91+6+(N-85)=\mathbf{N+12}\\ &(N\geq 168)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+103)} &= B_{\bar{N}}(2N+103-B_{\bar{N}}(2N+102))+B_{\bar{N}}(2N+103-B_{\bar{N}}(2N+101))+B_{\bar{N}}(2N+103-B_{\bar{N}}(2N+100))\\ &= B_{\bar{N}}(2N+103-(N+12))+B_{\bar{N}}(2N+103-(2N+11))+B_{\bar{N}}(2N+103-(N+101))\\ &= B_{\bar{N}}(N+91)+B_{\bar{N}}(92)+B_{\bar{N}}(N+2)=93+92+(N+1)=\mathbf{N+186}\\ &(N\geq 169)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+104)} &= B_{\bar{N}}(2N+104-B_{\bar{N}}(2N+103))+B_{\bar{N}}(2N+104-B_{\bar{N}}(2N+102))+B_{\bar{N}}(2N+104-B_{\bar{N}}(2N+101))\\ &= B_{\bar{N}}(2N+104-(N+186))+B_{\bar{N}}(2N+104-(N+12))+B_{\bar{N}}(2N+104-(2N+11))\\ &= B_{\bar{N}}(N-82)+B_{\bar{N}}(N+92)+B_{\bar{N}}(93)=(N-82)+(N+93)+93=\mathbf{2N+104}\\ &(N\geq 96)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+105)} &= B_{\bar{N}}(2N+105-B_{\bar{N}}(2N+104))+B_{\bar{N}}(2N+105-B_{\bar{N}}(2N+103))+B_{\bar{N}}(2N+105-B_{\bar{N}}(2N+102))\\ &= B_{\bar{N}}(2N+105-(2N+104))+B_{\bar{N}}(2N+105-(N+186))+B_{\bar{N}}(2N+105-(N+12))\\ &= B_{\bar{N}}(1)+B_{\bar{N}}(N-81)+B_{\bar{N}}(N+93)=1+(N-81)+(N+95)=\mathbf{2N+15}\\ &(N\geq 168)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+106)} &= B_{\bar{N}}(2N+106-B_{\bar{N}}(2N+105))+B_{\bar{N}}(2N+106-B_{\bar{N}}(2N+104))+B_{\bar{N}}(2N+106-B_{\bar{N}}(2N+103))\\ &= B_{\bar{N}}(2N+106-(2N+15))+B_{\bar{N}}(2N+106-(2N+104))+B_{\bar{N}}(2N+106-(N+186))\\ &= B_{\bar{N}}(91)+B_{\bar{N}}(2)+B_{\bar{N}}(N-80)=91+2+(N-80)=\mathbf{N+13}\\ &(N\geq 169)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+107)} &= B_{\bar{N}}(2N+107-B_{\bar{N}}(2N+106))+B_{\bar{N}}(2N+107-B_{\bar{N}}(2N+105))+B_{\bar{N}}(2N+107-B_{\bar{N}}(2N+104))\\ &= B_{\bar{N}}(2N+107-(N+13))+B_{\bar{N}}(2N+107-(2N+15))+B_{\bar{N}}(2N+107-(2N+104))\\ &= B_{\bar{N}}(N+94)+B_{\bar{N}}(92)+B_{\bar{N}}(3)=7+92+3=\mathbf{102}\\ &(N\geq 170)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+108)} &= B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+107))+B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+106))+B_{\bar{N}}(2N+108-B_{\bar{N}}(2N+105))\\ &= B_{\bar{N}}(2N+108-102)+B_{\bar{N}}(2N+108-(N+13))+B_{\bar{N}}(2N+108-(2N+15))\\ &= B_{\bar{N}}(2N+6)+B_{\bar{N}}(N+95)+B_{\bar{N}}(93)=15+(2N+71)+93=\mathbf{2N+179}\\ &(N\geq 111)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+109)} &= B_{\bar{N}}(2N+109-B_{\bar{N}}(2N+108))+B_{\bar{N}}(2N+109-B_{\bar{N}}(2N+107))+B_{\bar{N}}(2N+109-B_{\bar{N}}(2N+106))\\ &= B_{\bar{N}}(2N+109-(2N+179))+B_{\bar{N}}(2N+109-102)+B_{\bar{N}}(2N+109-(N+13))\\ &= B_{\bar{N}}(-70)+B_{\bar{N}}(2N+7)+B_{\bar{N}}(N+96)=0+(3N+2)+(2N+6)=\mathbf{5N+8}\\ &(N\geq 169)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+110)} &= B_{\bar{N}}(2N+110-B_{\bar{N}}(2N+109))+B_{\bar{N}}(2N+110-B_{\bar{N}}(2N+108))+B_{\bar{N}}(2N+110-B_{\bar{N}}(2N+107))\\ &= B_{\bar{N}}(2N+110-(5N+8))+B_{\bar{N}}(2N+110-(2N+179))+B_{\bar{N}}(2N+110-102)\\ &= B_{\bar{N}}(-3N+102)+B_{\bar{N}}(-69)+B_{\bar{N}}(2N+8)=0+0+15=\mathbf{15}\\ &(N\geq 170)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+111)} &= B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+110))+B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+109))+B_{\bar{N}}(2N+111-B_{\bar{N}}(2N+108))\\ &= B_{\bar{N}}(2N+111-15)+B_{\bar{N}}(2N+111-(5N+8))+B_{\bar{N}}(2N+111-(2N+179))\\ &= B_{\bar{N}}(2N+96)+B_{\bar{N}}(-3N+103)+B_{\bar{N}}(-68)=(N+97)+0+0=\mathbf{N+97}\\ &(N\geq 171)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+112)} &= B_{\bar{N}}(2N+112-B_{\bar{N}}(2N+111))+B_{\bar{N}}(2N+112-B_{\bar{N}}(2N+110))+B_{\bar{N}}(2N+112-B_{\bar{N}}(2N+109))\\ &= B_{\bar{N}}(2N+112-(N+97))+B_{\bar{N}}(2N+112-15)+B_{\bar{N}}(2N+112-(5N+8))\\ &= B_{\bar{N}}(N+15)+B_{\bar{N}}(2N+97)+B_{\bar{N}}(-3N+104)=(N+11)+(2N+8)+0=\mathbf{3N+19}\\ &(N\geq 72)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+113)} &= B_{\bar{N}}(2N+113-B_{\bar{N}}(2N+112))+B_{\bar{N}}(2N+113-B_{\bar{N}}(2N+111))+B_{\bar{N}}(2N+113-B_{\bar{N}}(2N+110))\\ &= B_{\bar{N}}(2N+113-(3N+19))+B_{\bar{N}}(2N+113-(N+97))+B_{\bar{N}}(2N+113-15)\\ &= B_{\bar{N}}(-N+94)+B_{\bar{N}}(N+16)+B_{\bar{N}}(2N+98)=0+17+(2N+4)=\mathbf{2N+21}\\ &(N\geq 170)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+114)} &= B_{\bar{N}}(2N+114-B_{\bar{N}}(2N+113))+B_{\bar{N}}(2N+114-B_{\bar{N}}(2N+112))+B_{\bar{N}}(2N+114-B_{\bar{N}}(2N+111))\\ &= B_{\bar{N}}(2N+114-(2N+21))+B_{\bar{N}}(2N+114-(3N+19))+B_{\bar{N}}(2N+114-(N+97))\\ &= B_{\bar{N}}(93)+B_{\bar{N}}(-N+95)+B_{\bar{N}}(N+17) = 93+0+(N+13) = \mathbf{N+106}\\ &(N\geq 171)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+115)} &= B_{\bar{N}}(2N+115-B_{\bar{N}}(2N+114))+B_{\bar{N}}(2N+115-B_{\bar{N}}(2N+113))+B_{\bar{N}}(2N+115-B_{\bar{N}}(2N+112))\\ &= B_{\bar{N}}(2N+115-(N+106))+B_{\bar{N}}(2N+115-(2N+21))+B_{\bar{N}}(2N+115-(3N+19))\\ &= B_{\bar{N}}(N+9)+B_{\bar{N}}(94)+B_{\bar{N}}(-N+96) = 12+94+0 = \mathbf{106}\\ &(N\geq 172)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+116)} &= B_{\bar{N}}(2N+116-B_{\bar{N}}(2N+115))+B_{\bar{N}}(2N+116-B_{\bar{N}}(2N+114))+B_{\bar{N}}(2N+116-B_{\bar{N}}(2N+113))\\ &= B_{\bar{N}}(2N+116-106)+B_{\bar{N}}(2N+116-(N+106))+B_{\bar{N}}(2N+116-(2N+21))\\ &= B_{\bar{N}}(2N+10)+B_{\bar{N}}(N+10)+B_{\bar{N}}(95) = \left(\frac{15N}{7}-\frac{59}{7}\right)+(N+7)+95 = \frac{\mathbf{22N}}{\mathbf{7}}+\frac{\mathbf{655}}{\mathbf{7}}\\ &(N\geq 95)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+117)} &= B_{\bar{N}}(2N+117-B_{\bar{N}}(2N+116))+B_{\bar{N}}(2N+117-B_{\bar{N}}(2N+115))+B_{\bar{N}}(2N+117-B_{\bar{N}}(2N+114))\\ &= B_{\bar{N}}\left(2N+117-\left(\frac{22N}{7}+\frac{655}{7}\right)\right)+B_{\bar{N}}(2N+117-106)+B_{\bar{N}}(2N+117-(N+106))\\ &= B_{\bar{N}}\left(-\frac{8N}{7}+\frac{164}{7}\right)+B_{\bar{N}}(2N+11)+B_{\bar{N}}(N+11) = 0+(N-2)+(N+8) = \mathbf{2N+6}\\ &(N\geq 171)\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+118)} &= B_{\bar{N}}(2N+118-B_{\bar{N}}(2N+117))+B_{\bar{N}}(2N+118-B_{\bar{N}}(2N+116))+B_{\bar{N}}(2N+118-B_{\bar{N}}(2N+115)) \\
&= B_{\bar{N}}(2N+118-(2N+6))+B_{\bar{N}}\left(2N+118-\left(\frac{22N}{7}+\frac{655}{7}\right)\right)+B_{\bar{N}}(2N+118-106) \\
&= B_{\bar{N}}(112)+B_{\bar{N}}\left(-\frac{8N}{7}+\frac{171}{7}\right)+B_{\bar{N}}(2N+12) = 112+0+(N+10) = \mathbf{N+122} \\
&(N \geq 172)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+119)} &= B_{\bar{N}}(2N+119-B_{\bar{N}}(2N+118))+B_{\bar{N}}(2N+119-B_{\bar{N}}(2N+117))+B_{\bar{N}}(2N+119-B_{\bar{N}}(2N+116)) \\
&= B_{\bar{N}}(2N+119-(N+122))+B_{\bar{N}}(2N+119-(2N+6))+B_{\bar{N}}\left(2N+119-\left(\frac{22N}{7}+\frac{655}{7}\right)\right) \\
&= B_{\bar{N}}(N-3)+B_{\bar{N}}(113)+B_{\bar{N}}\left(-\frac{8N}{7}+\frac{178}{7}\right) = (N-3)+113+0 = \mathbf{N+110} \\
&(N \geq 173)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+120)} &= B_{\bar{N}}(2N+120-B_{\bar{N}}(2N+119))+B_{\bar{N}}(2N+120-B_{\bar{N}}(2N+118))+B_{\bar{N}}(2N+120-B_{\bar{N}}(2N+117)) \\
&= B_{\bar{N}}(2N+120-(N+110))+B_{\bar{N}}(2N+120-(N+122))+B_{\bar{N}}(2N+120-(2N+6)) \\
&= B_{\bar{N}}(N+10)+B_{\bar{N}}(N-2)+B_{\bar{N}}(114) = (N+7)+(N-2)+114 = \mathbf{2N+119} \\
&(N \geq 144)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+121)} &= B_{\bar{N}}(2N+121-B_{\bar{N}}(2N+120))+B_{\bar{N}}(2N+121-B_{\bar{N}}(2N+119))+B_{\bar{N}}(2N+121-B_{\bar{N}}(2N+118)) \\
&= B_{\bar{N}}(2N+121-(2N+119))+B_{\bar{N}}(2N+121-(N+110))+B_{\bar{N}}(2N+121-(N+122)) \\
&= B_{\bar{N}}(2)+B_{\bar{N}}(N+11)+B_{\bar{N}}(N-1) = 2+(N+8)+(N-1) = \mathbf{2N+9} \\
&(N \geq 143)
\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+122)} &= B_{\bar{N}}(2N+122-B_{\bar{N}}(2N+121))+B_{\bar{N}}(2N+122-B_{\bar{N}}(2N+120))+B_{\bar{N}}(2N+122-B_{\bar{N}}(2N+119))\\ &= B_{\bar{N}}(2N+122-(2N+9))+B_{\bar{N}}(2N+122-(2N+119))+B_{\bar{N}}(2N+122-(N+110))\\ &= B_{\bar{N}}(113)+B_{\bar{N}}(3)+B_{\bar{N}}(N+12)=113+3+(N+9)=\mathbf{N+125}\\ &(N\geq 113)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+123)} &= B_{\bar{N}}(2N+123-B_{\bar{N}}(2N+122))+B_{\bar{N}}(2N+123-B_{\bar{N}}(2N+121))+B_{\bar{N}}(2N+123-B_{\bar{N}}(2N+120))\\ &= B_{\bar{N}}(2N+123-(N+125))+B_{\bar{N}}(2N+123-(2N+9))+B_{\bar{N}}(2N+123-(2N+119))\\ &= B_{\bar{N}}(N-2)+B_{\bar{N}}(114)+B_{\bar{N}}(4)=(N-2)+114+4=\mathbf{N+116}\\ &(N\geq 114)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+124)} &= B_{\bar{N}}(2N+124-B_{\bar{N}}(2N+123))+B_{\bar{N}}(2N+124-B_{\bar{N}}(2N+122))+B_{\bar{N}}(2N+124-B_{\bar{N}}(2N+121))\\ &= B_{\bar{N}}(2N+124-(N+116))+B_{\bar{N}}(2N+124-(N+125))+B_{\bar{N}}(2N+124-(2N+9))\\ &= B_{\bar{N}}(N+8)+B_{\bar{N}}(N-1)+B_{\bar{N}}(115)=(N+6)+(N-1)+115=\mathbf{2N+120}\\ &(N\geq 155)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+125)} &= B_{\bar{N}}(2N+125-B_{\bar{N}}(2N+124))+B_{\bar{N}}(2N+125-B_{\bar{N}}(2N+123))+B_{\bar{N}}(2N+125-B_{\bar{N}}(2N+122))\\ &= B_{\bar{N}}(2N+125-(2N+120))+B_{\bar{N}}(2N+125-(N+116))+B_{\bar{N}}(2N+125-(N+125))\\ &= B_{\bar{N}}(5)+B_{\bar{N}}(N+9)+B_{\bar{N}}(N)=5+12+N=\mathbf{N+17}\\ &(\mathbf{N\geq 315})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+126)} &= B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+125))+B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+124))+B_{\bar{N}}(2N+126-B_{\bar{N}}(2N+123))\\ &= B_{\bar{N}}(2N+126-(N+17))+B_{\bar{N}}(2N+126-(2N+120))+B_{\bar{N}}(2N+126-(N+116))\\ &= B_{\bar{N}}(N+109)+B_{\bar{N}}(6)+B_{\bar{N}}(N+10)=(2N+75)+6+(N+7)=\mathbf{3N+88}\\ &(N\geq 314)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+127)} &= B_{\bar{N}}(2N+127-B_{\bar{N}}(2N+126))+B_{\bar{N}}(2N+127-B_{\bar{N}}(2N+125))+B_{\bar{N}}(2N+127-B_{\bar{N}}(2N+124))\\ &= B_{\bar{N}}(2N+127-(3N+88))+B_{\bar{N}}(2N+127-(N+17))+B_{\bar{N}}(2N+127-(2N+120))\\ &= B_{\bar{N}}(-N+39)+B_{\bar{N}}(N+110)+B_{\bar{N}}(7)=0+(2N+8)+7=\mathbf{2N+15}\\ &(N\geq 313)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+128)} &= B_{\bar{N}}(2N+128-B_{\bar{N}}(2N+127))+B_{\bar{N}}(2N+128-B_{\bar{N}}(2N+126))+B_{\bar{N}}(2N+128-B_{\bar{N}}(2N+125))\\ &= B_{\bar{N}}(2N+128-(2N+15))+B_{\bar{N}}(2N+128-(3N+88))+B_{\bar{N}}(2N+128-(N+17))\\ &= B_{\bar{N}}(113)+B_{\bar{N}}(-N+40)+B_{\bar{N}}(N+111)=113+0+(N-2)=\mathbf{N+111}\\ &(N\geq 269)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+129)} &= B_{\bar{N}}(2N+129-B_{\bar{N}}(2N+128))+B_{\bar{N}}(2N+129-B_{\bar{N}}(2N+127))+B_{\bar{N}}(2N+129-B_{\bar{N}}(2N+126))\\ &= B_{\bar{N}}(2N+129-(N+111))+B_{\bar{N}}(2N+129-(2N+15))+B_{\bar{N}}(2N+129-(3N+88))\\ &= B_{\bar{N}}(N+18)+B_{\bar{N}}(114)+B_{\bar{N}}(-N+41)=18+114+0=\mathbf{132}\\ &(N\geq 270)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+130)} &= B_{\bar{N}}(2N+130-B_{\bar{N}}(2N+129))+B_{\bar{N}}(2N+130-B_{\bar{N}}(2N+128))+B_{\bar{N}}(2N+130-B_{\bar{N}}(2N+127))\\ &= B_{\bar{N}}(2N+130-132)+B_{\bar{N}}(2N+130-(N+111))+B_{\bar{N}}(2N+130-(2N+15))\\ &= B_{\bar{N}}(2N-2)+B_{\bar{N}}(N+19)+B_{\bar{N}}(115)=(2N-1)+(N+13)+115=\mathbf{3N+127}\\ &(N\geq 159)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+131)} &= B_{\bar{N}}(2N+131-B_{\bar{N}}(2N+130))+B_{\bar{N}}(2N+131-B_{\bar{N}}(2N+129))+B_{\bar{N}}(2N+131-B_{\bar{N}}(2N+128))\\ &= B_{\bar{N}}(2N+131-(3N+127))+B_{\bar{N}}(2N+131-132)+B_{\bar{N}}(2N+131-(N+111))\\ &= B_{\bar{N}}(-N+4)+B_{\bar{N}}(2N-1)+B_{\bar{N}}(N+20)=0+(N+6)+(N+15)=\mathbf{2N+21}\\ &(N\geq 270)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+132)} &= B_{\bar{N}}(2N+132-B_{\bar{N}}(2N+131))+B_{\bar{N}}(2N+132-B_{\bar{N}}(2N+130))+B_{\bar{N}}(2N+132-B_{\bar{N}}(2N+129))\\ &= B_{\bar{N}}(2N+132-(2N+21))+B_{\bar{N}}(2N+132-(3N+127))+B_{\bar{N}}(2N+132-132)\\ &= B_{\bar{N}}(111)+B_{\bar{N}}(-N+5)+B_{\bar{N}}(2N) = 111+0+(N+1) = \mathbf{N+112}\\ &(N \geq 271)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+133)} &= B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+132))+B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+131))+B_{\bar{N}}(2N+133-B_{\bar{N}}(2N+130))\\ &= B_{\bar{N}}(2N+133-(N+112))+B_{\bar{N}}(2N+133-(2N+21))+B_{\bar{N}}(2N+133-(3N+127))\\ &= B_{\bar{N}}(N+21)+B_{\bar{N}}(112)+B_{\bar{N}}(-N+6) = (N+16)+112+0 = \mathbf{N+128}\\ &(N \geq 272)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+134)} &= B_{\bar{N}}(2N+134-B_{\bar{N}}(2N+133))+B_{\bar{N}}(2N+134-B_{\bar{N}}(2N+132))+B_{\bar{N}}(2N+134-B_{\bar{N}}(2N+131))\\ &= B_{\bar{N}}(2N+134-(N+128))+B_{\bar{N}}(2N+134-(N+112))+B_{\bar{N}}(2N+134-(2N+21))\\ &= B_{\bar{N}}(N+6)+B_{\bar{N}}(N+22)+B_{\bar{N}}(113) = (N+4)+22+113 = \mathbf{N+139}\\ &(N \geq 113)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+135)} &= B_{\bar{N}}(2N+135-B_{\bar{N}}(2N+134))+B_{\bar{N}}(2N+135-B_{\bar{N}}(2N+133))+B_{\bar{N}}(2N+135-B_{\bar{N}}(2N+132))\\ &= B_{\bar{N}}(2N+135-(N+139))+B_{\bar{N}}(2N+135-(N+128))+B_{\bar{N}}(2N+135-(N+112))\\ &= B_{\bar{N}}(N-4)+B_{\bar{N}}(N+7)+B_{\bar{N}}(N+23) = (N-4)+(N+5)+21 = \mathbf{2N+22}\\ &(N \geq 271)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+136)} &= B_{\bar{N}}(2N+136-B_{\bar{N}}(2N+135))+B_{\bar{N}}(2N+136-B_{\bar{N}}(2N+134))+B_{\bar{N}}(2N+136-B_{\bar{N}}(2N+133))\\ &= B_{\bar{N}}(2N+136-(2N+22))+B_{\bar{N}}(2N+136-(N+139))+B_{\bar{N}}(2N+136-(N+128))\\ &= B_{\bar{N}}(114)+B_{\bar{N}}(N-3)+B_{\bar{N}}(N+8) = 114+(N-3)+(N+6) = \mathbf{2N+117}\\ &(N \geq 272)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+137)} &= B_{\bar{N}}(2N+137-B_{\bar{N}}(2N+136))+B_{\bar{N}}(2N+137-B_{\bar{N}}(2N+135))+B_{\bar{N}}(2N+137-B_{\bar{N}}(2N+134))\\ &= B_{\bar{N}}(2N+137-(2N+117))+B_{\bar{N}}(2N+137-(2N+22))+B_{\bar{N}}(2N+137-(N+139))\\ &= B_{\bar{N}}(20)+B_{\bar{N}}(115)+B_{\bar{N}}(N-2)=20+115+(N-2)=\mathbf{N+133}\\ &(N\geq 273)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+138)} &= B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+137))+B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+136))+B_{\bar{N}}(2N+138-B_{\bar{N}}(2N+135))\\ &= B_{\bar{N}}(2N+138-(N+133))+B_{\bar{N}}(2N+138-(2N+117))+B_{\bar{N}}(2N+138-(2N+22))\\ &= B_{\bar{N}}(N+5)+B_{\bar{N}}(21)+B_{\bar{N}}(116)=9+21+116=\mathbf{146}\\ &(N\geq 117)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+139)} &= B_{\bar{N}}(2N+139-B_{\bar{N}}(2N+138))+B_{\bar{N}}(2N+139-B_{\bar{N}}(2N+137))+B_{\bar{N}}(2N+139-B_{\bar{N}}(2N+136))\\ &= B_{\bar{N}}(2N+139-146)+B_{\bar{N}}(2N+139-(N+133))+B_{\bar{N}}(2N+139-(2N+117))\\ &= B_{\bar{N}}(2N-7)+B_{\bar{N}}(N+6)+B_{\bar{N}}(22)=7+(N+4)+22=\mathbf{N+33}\\ &(N\geq 272)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+140)} &= B_{\bar{N}}(2N+140-B_{\bar{N}}(2N+139))+B_{\bar{N}}(2N+140-B_{\bar{N}}(2N+138))+B_{\bar{N}}(2N+140-B_{\bar{N}}(2N+137))\\ &= B_{\bar{N}}(2N+140-(N+33))+B_{\bar{N}}(2N+140-146)+B_{\bar{N}}(2N+140-(N+133))\\ &= B_{\bar{N}}(N+107)+B_{\bar{N}}(2N-6)+B_{\bar{N}}(N+7)=(N+109)+\left(\frac{16N}{7}+\frac{295}{7}\right)+(N+5)=\frac{\mathbf{30N}}{\mathbf{7}}+\frac{\mathbf{1093}}{\mathbf{7}}\\ &(N\geq 273)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+141)} &= B_{\bar{N}}(2N+141-B_{\bar{N}}(2N+140))+B_{\bar{N}}(2N+141-B_{\bar{N}}(2N+139))+B_{\bar{N}}(2N+141-B_{\bar{N}}(2N+138))\\ &= B_{\bar{N}}\left(2N+141-\left(\frac{30N}{7}+\frac{1093}{7}\right)\right)+B_{\bar{N}}(2N+141-(N+33))+B_{\bar{N}}(2N+141-146)\\ &= B_{\bar{N}}\left(-\frac{16N}{7}-\frac{106}{7}\right)+B_{\bar{N}}(N+108)+B_{\bar{N}}(2N-5)=0+7+\left(\frac{15N}{7}-\frac{59}{7}\right)=\frac{\mathbf{15N}}{\mathbf{7}}-\frac{\mathbf{10}}{\mathbf{7}}\\ &(N\geq 274)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+142)} = B_{\bar{N}}(2N+142-B_{\bar{N}}(2N+141)) + B_{\bar{N}}(2N+142-B_{\bar{N}}(2N+140)) + B_{\bar{N}}(2N+142-B_{\bar{N}}(2N+139))$$
$$= B_{\bar{N}}\left(2N+142-\left(\frac{15N}{7}-\frac{10}{7}\right)\right) + B_{\bar{N}}\left(2N+142-\left(\frac{30N}{7}+\frac{1093}{7}\right)\right) + B_{\bar{N}}(2N+142-(N+33))$$
$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{1004}{7}\right) + B_{\bar{N}}\left(-\frac{16N}{7}-\frac{99}{7}\right) + B_{\bar{N}}(N+109) = 0+0+(2N+75) = \mathbf{2N+75}$$
$$(\mathbf{N \geq 1004})$$

$$\mathbf{B_{\bar{N}}(2N+143)} = B_{\bar{N}}(2N+143-B_{\bar{N}}(2N+142)) + B_{\bar{N}}(2N+143-B_{\bar{N}}(2N+141)) + B_{\bar{N}}(2N+143-B_{\bar{N}}(2N+140))$$
$$= B_{\bar{N}}(2N+143-(2N+75)) + B_{\bar{N}}\left(2N+143-\left(\frac{15N}{7}-\frac{10}{7}\right)\right) + B_{\bar{N}}\left(2N+143-\left(\frac{30N}{7}+\frac{1093}{7}\right)\right)$$
$$= B_{\bar{N}}(68) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{1011}{7}\right) + B_{\bar{N}}\left(-\frac{16N}{7}-\frac{92}{7}\right) = 68+0+0 = \mathbf{68}$$
$$(\mathbf{N \geq 1011})$$

$$\mathbf{B_{\bar{N}}(2N+144)} = B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+143)) + B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+142)) + B_{\bar{N}}(2N+144-B_{\bar{N}}(2N+141))$$
$$= B_{\bar{N}}(2N+144-68) + B_{\bar{N}}(2N+144-(2N+75)) + B_{\bar{N}}\left(2N+144-\left(\frac{15N}{7}-\frac{10}{7}\right)\right)$$
$$= B_{\bar{N}}(2N+76) + B_{\bar{N}}(69) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{1018}{7}\right) = (2N-8)+69+0 = \mathbf{2N+61}$$
$$(\mathbf{N \geq 1018})$$

$$\mathbf{B_{\bar{N}}(2N+145)} = B_{\bar{N}}(2N+145-B_{\bar{N}}(2N+144)) + B_{\bar{N}}(2N+145-B_{\bar{N}}(2N+143)) + B_{\bar{N}}(2N+145-B_{\bar{N}}(2N+142))$$
$$= B_{\bar{N}}(2N+145-(2N+61)) + B_{\bar{N}}(2N+145-68) + B_{\bar{N}}(2N+145-(2N+75))$$
$$= B_{\bar{N}}(84) + B_{\bar{N}}(2N+77) + B_{\bar{N}}(70) = 84+(N+65)+70 = \mathbf{N+219}$$
$$(N \geq 275)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+146)} &= B_{\bar{N}}(2N+146-B_{\bar{N}}(2N+145))+B_{\bar{N}}(2N+146-B_{\bar{N}}(2N+144))+B_{\bar{N}}(2N+146-B_{\bar{N}}(2N+143))\\ &= B_{\bar{N}}(2N+146-(N+219))+B_{\bar{N}}(2N+146-(2N+61))+B_{\bar{N}}(2N+146-68)\\ &= B_{\bar{N}}(N-73)+B_{\bar{N}}(85)+B_{\bar{N}}(2N+78) = (N-73)+85+(N+82) = \mathbf{2N+94}\\ &(N \geq 220)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+147)} &= B_{\bar{N}}(2N+147-B_{\bar{N}}(2N+146))+B_{\bar{N}}(2N+147-B_{\bar{N}}(2N+145))+B_{\bar{N}}(2N+147-B_{\bar{N}}(2N+144))\\ &= B_{\bar{N}}(2N+147-(2N+94))+B_{\bar{N}}(2N+147-(N+219))+B_{\bar{N}}(2N+147-(2N+61))\\ &= B_{\bar{N}}(53)+B_{\bar{N}}(N-72)+B_{\bar{N}}(86) = 53+(N-72)+86 = \mathbf{N+67}\\ &(N \geq 274)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+148)} &= B_{\bar{N}}(2N+148-B_{\bar{N}}(2N+147))+B_{\bar{N}}(2N+148-B_{\bar{N}}(2N+146))+B_{\bar{N}}(2N+148-B_{\bar{N}}(2N+145))\\ &= B_{\bar{N}}(2N+148-(N+67))+B_{\bar{N}}(2N+148-(2N+94))+B_{\bar{N}}(2N+148-(N+219))\\ &= B_{\bar{N}}(N+81)+B_{\bar{N}}(54)+B_{\bar{N}}(N-71) = (2N+67)+54+(N-71) = \mathbf{3N+50}\\ &(N \geq 275)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+149)} &= B_{\bar{N}}(2N+149-B_{\bar{N}}(2N+148))+B_{\bar{N}}(2N+149-B_{\bar{N}}(2N+147))+B_{\bar{N}}(2N+149-B_{\bar{N}}(2N+146))\\ &= B_{\bar{N}}(2N+149-(3N+50))+B_{\bar{N}}(2N+149-(N+67))+B_{\bar{N}}(2N+149-(2N+94))\\ &= B_{\bar{N}}(-N+99)+B_{\bar{N}}(N+82)+B_{\bar{N}}(55) = 0+(2N+4)+55 = \mathbf{2N+59}\\ &(N \geq 276)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+150)} &= B_{\bar{N}}(2N+150-B_{\bar{N}}(2N+149))+B_{\bar{N}}(2N+150-B_{\bar{N}}(2N+148))+B_{\bar{N}}(2N+150-B_{\bar{N}}(2N+147))\\ &= B_{\bar{N}}(2N+150-(2N+59))+B_{\bar{N}}(2N+150-(3N+50))+B_{\bar{N}}(2N+150-(N+67))\\ &= B_{\bar{N}}(91)+B_{\bar{N}}(-N+100)+B_{\bar{N}}(N+83) = 91+0+(N-2) = \mathbf{N+89}\\ &(N \geq 124)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+151)} &= B_{\bar{N}}(2N+151-B_{\bar{N}}(2N+150))+B_{\bar{N}}(2N+151-B_{\bar{N}}(2N+149))+B_{\bar{N}}(2N+151-B_{\bar{N}}(2N+148))\\ &= B_{\bar{N}}(2N+151-(N+89))+B_{\bar{N}}(2N+151-(2N+59))+B_{\bar{N}}(2N+151-(3N+50))\\ &= B_{\bar{N}}(N+62)+B_{\bar{N}}(92)+B_{\bar{N}}(-N+101)=(4N+51)+92+0=\mathbf{4N+143}\\ &(N\geq 275)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+152)} &= B_{\bar{N}}(2N+152-B_{\bar{N}}(2N+151))+B_{\bar{N}}(2N+152-B_{\bar{N}}(2N+150))+B_{\bar{N}}(2N+152-B_{\bar{N}}(2N+149))\\ &= B_{\bar{N}}(2N+152-(4N+143))+B_{\bar{N}}(2N+152-(N+89))+B_{\bar{N}}(2N+152-(2N+59))\\ &= B_{\bar{N}}(-2N+9)+B_{\bar{N}}(N+63)+B_{\bar{N}}(93)=0+(2N+14)+93=\mathbf{2N+107}\\ &(N\geq 276)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+153)} &= B_{\bar{N}}(2N+153-B_{\bar{N}}(2N+152))+B_{\bar{N}}(2N+153-B_{\bar{N}}(2N+151))+B_{\bar{N}}(2N+153-B_{\bar{N}}(2N+150))\\ &= B_{\bar{N}}(2N+153-(2N+107))+B_{\bar{N}}(2N+153-(4N+143))+B_{\bar{N}}(2N+153-(N+89))\\ &= B_{\bar{N}}(46)+B_{\bar{N}}(-2N+10)+B_{\bar{N}}(N+64)=46+0+(N+4)=\mathbf{N+50}\\ &(N\geq 277)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+154)} &= B_{\bar{N}}(2N+154-B_{\bar{N}}(2N+153))+B_{\bar{N}}(2N+154-B_{\bar{N}}(2N+152))+B_{\bar{N}}(2N+154-B_{\bar{N}}(2N+151))\\ &= B_{\bar{N}}(2N+154-(N+50))+B_{\bar{N}}(2N+154-(2N+107))+B_{\bar{N}}(2N+154-(4N+143))\\ &= B_{\bar{N}}(N+104)+B_{\bar{N}}(47)+B_{\bar{N}}(-2N+11)=(N-2)+47+0=\mathbf{N+45}\\ &(N\geq 232)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+155)} &= B_{\bar{N}}(2N+155-B_{\bar{N}}(2N+154))+B_{\bar{N}}(2N+155-B_{\bar{N}}(2N+153))+B_{\bar{N}}(2N+155-B_{\bar{N}}(2N+152))\\ &= B_{\bar{N}}(2N+155-(N+45))+B_{\bar{N}}(2N+155-(N+50))+B_{\bar{N}}(2N+155-(2N+107))\\ &= B_{\bar{N}}(N+110)+B_{\bar{N}}(N+105)+B_{\bar{N}}(48)=(2N+8)+107+48=\mathbf{2N+163}\\ &(N\geq 276)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+156)} &= B_{\bar{N}}(2N+156-B_{\bar{N}}(2N+155))+B_{\bar{N}}(2N+156-B_{\bar{N}}(2N+154))+B_{\bar{N}}(2N+156-B_{\bar{N}}(2N+153))\\ &= B_{\bar{N}}(2N+156-(2N+163))+B_{\bar{N}}(2N+156-(N+45))+B_{\bar{N}}(2N+156-(N+50))\\ &= B_{\bar{N}}(-7)+B_{\bar{N}}(N+111)+B_{\bar{N}}(N+106)=0+(N-2)+(N+107)=\mathbf{2N+105}\\ &(N\geq 277)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+157)} &= B_{\bar{N}}(2N+157-B_{\bar{N}}(2N+156))+B_{\bar{N}}(2N+157-B_{\bar{N}}(2N+155))+B_{\bar{N}}(2N+157-B_{\bar{N}}(2N+154))\\ &= B_{\bar{N}}(2N+157-(2N+105))+B_{\bar{N}}(2N+157-(2N+163))+B_{\bar{N}}(2N+157-(N+45))\\ &= B_{\bar{N}}(52)+B_{\bar{N}}(-6)+B_{\bar{N}}(N+112)=52+0+114=\mathbf{166}\\ &(N\geq 278)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+158)} &= B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+157))+B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+156))+B_{\bar{N}}(2N+158-B_{\bar{N}}(2N+155))\\ &= B_{\bar{N}}(2N+158-166)+B_{\bar{N}}(2N+158-(2N+105))+B_{\bar{N}}(2N+158-(2N+163))\\ &= B_{\bar{N}}(2N-8)+B_{\bar{N}}(53)+B_{\bar{N}}(-5)=(2N-6)+53+0=\mathbf{2N+47}\\ &(N\geq 173)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+159)} &= B_{\bar{N}}(2N+159-B_{\bar{N}}(2N+158))+B_{\bar{N}}(2N+159-B_{\bar{N}}(2N+157))+B_{\bar{N}}(2N+159-B_{\bar{N}}(2N+156))\\ &= B_{\bar{N}}(2N+159-(2N+47))+B_{\bar{N}}(2N+159-166)+B_{\bar{N}}(2N+159-(2N+105))\\ &= B_{\bar{N}}(112)+B_{\bar{N}}(2N-7)+B_{\bar{N}}(54)=112+7+54=\mathbf{173}\\ &(N\geq 277)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+160)} &= B_{\bar{N}}(2N+160-B_{\bar{N}}(2N+159))+B_{\bar{N}}(2N+160-B_{\bar{N}}(2N+158))+B_{\bar{N}}(2N+160-B_{\bar{N}}(2N+157))\\ &= B_{\bar{N}}(2N+160-173)+B_{\bar{N}}(2N+160-(2N+47))+B_{\bar{N}}(2N+160-166)\\ &= B_{\bar{N}}(2N-13)+B_{\bar{N}}(113)+B_{\bar{N}}(2N-6)=\left(\frac{16N}{7}+\frac{281}{7}\right)+113+\left(\frac{16N}{7}+\frac{295}{7}\right)=\frac{\mathbf{32N}}{\mathbf{7}}+\frac{\mathbf{1367}}{\mathbf{7}}\\ &(N\geq 278)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+161)} = B_{\bar{N}}(2N+161-B_{\bar{N}}(2N+160)) + B_{\bar{N}}(2N+161-B_{\bar{N}}(2N+159)) + B_{\bar{N}}(2N+161-B_{\bar{N}}(2N+158))$$
$$= B_{\bar{N}}\left(2N+161-\left(\frac{32N}{7}+\frac{1367}{7}\right)\right) + B_{\bar{N}}(2N+161-173) + B_{\bar{N}}(2N+161-(2N+47))$$
$$= B_{\bar{N}}\left(-\frac{18N}{7}-\frac{240}{7}\right) + B_{\bar{N}}(2N-12) + B_{\bar{N}}(114) = 0+\left(\frac{15N}{7}-\frac{66}{7}\right)+114 = \mathbf{\frac{15N}{7}+\frac{732}{7}}$$
$$(N \geq 279)$$

$$\mathbf{B_{\bar{N}}(2N+162)} = B_{\bar{N}}(2N+162-B_{\bar{N}}(2N+161)) + B_{\bar{N}}(2N+162-B_{\bar{N}}(2N+160)) + B_{\bar{N}}(2N+162-B_{\bar{N}}(2N+159))$$
$$= B_{\bar{N}}\left(2N+162-\left(\frac{15N}{7}+\frac{732}{7}\right)\right) + B_{\bar{N}}\left(2N+162-\left(\frac{32N}{7}+\frac{1367}{7}\right)\right) + B_{\bar{N}}(2N+162-173)$$
$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{402}{7}\right) + B_{\bar{N}}\left(-\frac{18N}{7}-\frac{233}{7}\right) + B_{\bar{N}}(2N-11) = 0+0+(N-2) = \mathbf{N-2}$$
$$(N \geq 402)$$

$$\mathbf{B_{\bar{N}}(2N+163)} = B_{\bar{N}}(2N+163-B_{\bar{N}}(2N+162)) + B_{\bar{N}}(2N+163-B_{\bar{N}}(2N+161)) + B_{\bar{N}}(2N+163-B_{\bar{N}}(2N+160))$$
$$= B_{\bar{N}}(2N+163-(N-2)) + B_{\bar{N}}\left(2N+163-\left(\frac{15N}{7}+\frac{732}{7}\right)\right) + B_{\bar{N}}\left(2N+163-\left(\frac{32N}{7}+\frac{1367}{7}\right)\right)$$
$$= B_{\bar{N}}(N+165) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{409}{7}\right) + B_{\bar{N}}\left(-\frac{18N}{7}-\frac{226}{7}\right) = (2N+91)+0+0 = \mathbf{2N+91}$$
$$(N \geq 409)$$

$$\mathbf{B_{\bar{N}}(2N+164)} = B_{\bar{N}}(2N+164-B_{\bar{N}}(2N+163)) + B_{\bar{N}}(2N+164-B_{\bar{N}}(2N+162)) + B_{\bar{N}}(2N+164-B_{\bar{N}}(2N+161))$$
$$= B_{\bar{N}}(2N+164-(2N+91)) + B_{\bar{N}}(2N+164-(N-2)) + B_{\bar{N}}\left(2N+164-\left(\frac{15N}{7}+\frac{732}{7}\right)\right)$$
$$= B_{\bar{N}}(73) + B_{\bar{N}}(N+166) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{416}{7}\right) = 73+(2N+16)+0 = \mathbf{2N+89}$$
$$(N \geq 416)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+165)} &= B_{\bar{N}}(2N+165-B_{\bar{N}}(2N+164))+B_{\bar{N}}(2N+165-B_{\bar{N}}(2N+163))+B_{\bar{N}}(2N+165-B_{\bar{N}}(2N+162))\\ &= B_{\bar{N}}(2N+165-(2N+89))+B_{\bar{N}}(2N+165-(2N+91))+B_{\bar{N}}(2N+165-(N-2))\\ &= B_{\bar{N}}(76)+B_{\bar{N}}(74)+B_{\bar{N}}(N+167)=76+74+(N-2)=\mathbf{N+148}\\ &(N\geq 280)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+166)} &= B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+165))+B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+164))+B_{\bar{N}}(2N+166-B_{\bar{N}}(2N+163))\\ &= B_{\bar{N}}(2N+166-(N+148))+B_{\bar{N}}(2N+166-(2N+89))+B_{\bar{N}}(2N+166-(2N+91))\\ &= B_{\bar{N}}(N+18)+B_{\bar{N}}(77)+B_{\bar{N}}(75)=18+77+75=\mathbf{170}\\ &(N\geq 151)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+167)} &= B_{\bar{N}}(2N+167-B_{\bar{N}}(2N+166))+B_{\bar{N}}(2N+167-B_{\bar{N}}(2N+165))+B_{\bar{N}}(2N+167-B_{\bar{N}}(2N+164))\\ &= B_{\bar{N}}(2N+167-170)+B_{\bar{N}}(2N+167-(N+148))+B_{\bar{N}}(2N+167-(2N+89))\\ &= B_{\bar{N}}(2N-3)+B_{\bar{N}}(N+19)+B_{\bar{N}}(78)=(N-1)+(N+13)+78=\mathbf{2N+90}\\ &(N\geq 279)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+168)} &= B_{\bar{N}}(2N+168-B_{\bar{N}}(2N+167))+B_{\bar{N}}(2N+168-B_{\bar{N}}(2N+166))+B_{\bar{N}}(2N+168-B_{\bar{N}}(2N+165))\\ &= B_{\bar{N}}(2N+168-(2N+90))+B_{\bar{N}}(2N+168-170)+B_{\bar{N}}(2N+168-(N+148))\\ &= B_{\bar{N}}(78)+B_{\bar{N}}(2N-2)+B_{\bar{N}}(N+20)=78+(2N-1)+(N+15)=\mathbf{3N+92}\\ &(N\geq 280)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+169)} &= B_{\bar{N}}(2N+169-B_{\bar{N}}(2N+168))+B_{\bar{N}}(2N+169-B_{\bar{N}}(2N+167))+B_{\bar{N}}(2N+169-B_{\bar{N}}(2N+166))\\ &= B_{\bar{N}}(2N+169-(3N+92))+B_{\bar{N}}(2N+169-(2N+90))+B_{\bar{N}}(2N+169-170)\\ &= B_{\bar{N}}(-N+77)+B_{\bar{N}}(79)+B_{\bar{N}}(2N-1)=0+79+(N+6)=\mathbf{N+85}\\ &(N\geq 281)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+170)} &= B_{\bar{N}}(2N+170-B_{\bar{N}}(2N+169))+B_{\bar{N}}(2N+170-B_{\bar{N}}(2N+168))+B_{\bar{N}}(2N+170-B_{\bar{N}}(2N+167))\\ &= B_{\bar{N}}(2N+170-(N+85))+B_{\bar{N}}(2N+170-(3N+92))+B_{\bar{N}}(2N+170-(2N+90))\\ &= B_{\bar{N}}(N+85)+B_{\bar{N}}(-N+78)+B_{\bar{N}}(80)=(N+86)+0+80=\mathbf{N+166}\\ &(N\geq 151)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+171)} &= B_{\bar{N}}(2N+171-B_{\bar{N}}(2N+170))+B_{\bar{N}}(2N+171-B_{\bar{N}}(2N+169))+B_{\bar{N}}(2N+171-B_{\bar{N}}(2N+168))\\ &= B_{\bar{N}}(2N+171-(N+166))+B_{\bar{N}}(2N+171-(N+85))+B_{\bar{N}}(2N+171-(3N+92))\\ &= B_{\bar{N}}(N+5)+B_{\bar{N}}(N+86)+B_{\bar{N}}(-N+79)=9+(N+88)+0=\mathbf{N+97}\\ &(N\geq 280)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+172)} &= B_{\bar{N}}(2N+172-B_{\bar{N}}(2N+171))+B_{\bar{N}}(2N+172-B_{\bar{N}}(2N+170))+B_{\bar{N}}(2N+172-B_{\bar{N}}(2N+169))\\ &= B_{\bar{N}}(2N+172-(N+97))+B_{\bar{N}}(2N+172-(N+166))+B_{\bar{N}}(2N+172-(N+85))\\ &= B_{\bar{N}}(N+75)+B_{\bar{N}}(N+6)+B_{\bar{N}}(N+87)=(2N+3)+(N+4)+7=\mathbf{3N+14}\\ &(N\geq 281)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+173)} &= B_{\bar{N}}(2N+173-B_{\bar{N}}(2N+172))+B_{\bar{N}}(2N+173-B_{\bar{N}}(2N+171))+B_{\bar{N}}(2N+173-B_{\bar{N}}(2N+170))\\ &= B_{\bar{N}}(2N+173-(3N+14))+B_{\bar{N}}(2N+173-(N+97))+B_{\bar{N}}(2N+173-(N+166))\\ &= B_{\bar{N}}(-N+159)+B_{\bar{N}}(N+76)+B_{\bar{N}}(N+7)=0+(N-2)+(N+5)=\mathbf{2N+3}\\ &(N\geq 282)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+174)} &= B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+173))+B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+172))+B_{\bar{N}}(2N+174-B_{\bar{N}}(2N+171))\\ &= B_{\bar{N}}(2N+174-(2N+3))+B_{\bar{N}}(2N+174-(3N+14))+B_{\bar{N}}(2N+174-(N+97))\\ &= B_{\bar{N}}(171)+B_{\bar{N}}(-N+160)+B_{\bar{N}}(N+77)=171+0+79=\mathbf{250}\\ &(N\geq 171)\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+175)} &= B_{\bar{N}}(2N+175-B_{\bar{N}}(2N+174))+B_{\bar{N}}(2N+175-B_{\bar{N}}(2N+173))+B_{\bar{N}}(2N+175-B_{\bar{N}}(2N+172)) \\
&= B_{\bar{N}}(2N+175-250)+B_{\bar{N}}(2N+175-(2N+3))+B_{\bar{N}}(2N+175-(3N+14)) \\
&= B_{\bar{N}}(2N-75)+B_{\bar{N}}(172)+B_{\bar{N}}(-N+161) = \left(\frac{15N}{7}-\frac{129}{7}\right)+172+0 = \mathbf{\frac{15N}{7}+\frac{1075}{7}} \\
&(N \geq 281)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+176)} &= B_{\bar{N}}(2N+176-B_{\bar{N}}(2N+175))+B_{\bar{N}}(2N+176-B_{\bar{N}}(2N+174))+B_{\bar{N}}(2N+176-B_{\bar{N}}(2N+173)) \\
&= B_{\bar{N}}\left(2N+176-\left(\frac{15N}{7}+\frac{1075}{7}\right)\right)+B_{\bar{N}}(2N+176-250)+B_{\bar{N}}(2N+176-(2N+3)) \\
&= B_{\bar{N}}\left(-\frac{N}{7}+\frac{157}{7}\right)+B_{\bar{N}}(2N-74)+B_{\bar{N}}(173) = 0+(N-2)+173 = \mathbf{N+171} \\
&(N \geq 282)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+177)} &= B_{\bar{N}}(2N+177-B_{\bar{N}}(2N+176))+B_{\bar{N}}(2N+177-B_{\bar{N}}(2N+175))+B_{\bar{N}}(2N+177-B_{\bar{N}}(2N+174)) \\
&= B_{\bar{N}}(2N+177-(N+171))+B_{\bar{N}}\left(2N+177-\left(\frac{15N}{7}+\frac{1075}{7}\right)\right)+B_{\bar{N}}(2N+177-250) \\
&= B_{\bar{N}}(N+6)+B_{\bar{N}}\left(-\frac{N}{7}+\frac{164}{7}\right)+B_{\bar{N}}(2N-73) = (N+4)+0+(N-71) = \mathbf{2N-67} \\
&(N \geq 283)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+178)} &= B_{\bar{N}}(2N+178-B_{\bar{N}}(2N+177))+B_{\bar{N}}(2N+178-B_{\bar{N}}(2N+176))+B_{\bar{N}}(2N+178-B_{\bar{N}}(2N+175)) \\
&= B_{\bar{N}}(2N+178-(2N-67))+B_{\bar{N}}(2N+178-(N+171))+B_{\bar{N}}\left(2N+178-\left(\frac{15N}{7}+\frac{1075}{7}\right)\right) \\
&= B_{\bar{N}}(245)+B_{\bar{N}}(N+7)+B_{\bar{N}}\left(-\frac{N}{7}+\frac{171}{7}\right) = 245+(N+5)+0 = \mathbf{N+250} \\
&(N \geq 245)
\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+179)} &= B_{\bar{N}}(2N+179-B_{\bar{N}}(2N+178))+B_{\bar{N}}(2N+179-B_{\bar{N}}(2N+177))+B_{\bar{N}}(2N+179-B_{\bar{N}}(2N+176))\\ &= B_{\bar{N}}(2N+179-(N+250))+B_{\bar{N}}(2N+179-(2N-67))+B_{\bar{N}}(2N+179-(N+171))\\ &= B_{\bar{N}}(N-71)+B_{\bar{N}}(246)+B_{\bar{N}}(N+8)=(N-71)+246+(N+6)=\mathbf{2N+181}\\ &(N\geq 282)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+180)} &= B_{\bar{N}}(2N+180-B_{\bar{N}}(2N+179))+B_{\bar{N}}(2N+180-B_{\bar{N}}(2N+178))+B_{\bar{N}}(2N+180-B_{\bar{N}}(2N+177))\\ &= B_{\bar{N}}(2N+180-(2N+181))+B_{\bar{N}}(2N+180-(N+250))+B_{\bar{N}}(2N+180-(2N-67))\\ &= B_{\bar{N}}(-1)+B_{\bar{N}}(N-70)+B_{\bar{N}}(247)=0+(N-70)+247=\mathbf{N+177}\\ &(N\geq 283)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+181)} &= B_{\bar{N}}(2N+181-B_{\bar{N}}(2N+180))+B_{\bar{N}}(2N+181-B_{\bar{N}}(2N+179))+B_{\bar{N}}(2N+181-B_{\bar{N}}(2N+178))\\ &= B_{\bar{N}}(2N+181-(N+177))+B_{\bar{N}}(2N+181-(2N+181))+B_{\bar{N}}(2N+181-(N+250))\\ &= B_{\bar{N}}(N+4)+B_{\bar{N}}(0)+B_{\bar{N}}(N-69)=(N+3)+0+(N-69)=\mathbf{2N-66}\\ &(N\geq 284)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+182)} &= B_{\bar{N}}(2N+182-B_{\bar{N}}(2N+181))+B_{\bar{N}}(2N+182-B_{\bar{N}}(2N+180))+B_{\bar{N}}(2N+182-B_{\bar{N}}(2N+179))\\ &= B_{\bar{N}}(2N+182-(2N-66))+B_{\bar{N}}(2N+182-(N+177))+B_{\bar{N}}(2N+182-(2N+181))\\ &= B_{\bar{N}}(248)+B_{\bar{N}}(N+5)+B_{\bar{N}}(1)=248+9+1=\mathbf{258}\\ &(N\geq 248)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+183)} &= B_{\bar{N}}(2N+183-B_{\bar{N}}(2N+182))+B_{\bar{N}}(2N+183-B_{\bar{N}}(2N+181))+B_{\bar{N}}(2N+183-B_{\bar{N}}(2N+180))\\ &= B_{\bar{N}}(2N+183-258)+B_{\bar{N}}(2N+183-(2N-66))+B_{\bar{N}}(2N+183-(N+177))\\ &= B_{\bar{N}}(2N-75)+B_{\bar{N}}(249)+B_{\bar{N}}(N+6)=\left(\frac{15N}{7}-\frac{129}{7}\right)+249+(N+4)=\frac{\mathbf{22N}}{\mathbf{7}}+\frac{\mathbf{1642}}{\mathbf{7}}\\ &(N\geq 283)\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+184)} &= B_{\bar{N}}(2N+184-B_{\bar{N}}(2N+183))+B_{\bar{N}}(2N+184-B_{\bar{N}}(2N+182))+B_{\bar{N}}(2N+184-B_{\bar{N}}(2N+181)) \\
&= B_{\bar{N}}\left(2N+184-\left(\frac{22N}{7}+\frac{1642}{7}\right)\right)+B_{\bar{N}}(2N+184-258)+B_{\bar{N}}(2N+184-(2N-66)) \\
&= B_{\bar{N}}\left(-\frac{8N}{7}-\frac{354}{7}\right)+B_{\bar{N}}(2N-74)+B_{\bar{N}}(250)=0+(N-2)+250=\mathbf{N+248} \\
&(N\geq 284)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+185)} &= B_{\bar{N}}(2N+185-B_{\bar{N}}(2N+184))+B_{\bar{N}}(2N+185-B_{\bar{N}}(2N+183))+B_{\bar{N}}(2N+185-B_{\bar{N}}(2N+182)) \\
&= B_{\bar{N}}(2N+185-(N+248))+B_{\bar{N}}\left(2N+185-\left(\frac{22N}{7}+\frac{1642}{7}\right)\right)+B_{\bar{N}}(2N+185-258) \\
&= B_{\bar{N}}(N-63)+B_{\bar{N}}\left(-\frac{8N}{7}-\frac{347}{7}\right)+B_{\bar{N}}(2N-73)=(N-63)+0+(N-71)=\mathbf{2N-134} \\
&(N\geq 285)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+186)} &= B_{\bar{N}}(2N+186-B_{\bar{N}}(2N+185))+B_{\bar{N}}(2N+186-B_{\bar{N}}(2N+184))+B_{\bar{N}}(2N+186-B_{\bar{N}}(2N+183)) \\
&= B_{\bar{N}}(2N+186-(2N-134))+B_{\bar{N}}(2N+186-(N+248))+B_{\bar{N}}\left(2N+186-\left(\frac{22N}{7}+\frac{1642}{7}\right)\right) \\
&= B_{\bar{N}}(320)+B_{\bar{N}}(N-62)+B_{\bar{N}}\left(-\frac{8N}{7}-\frac{340}{7}\right)=320+(N-62)+0=\mathbf{N+258} \\
&(N\geq 320)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+187)} &= B_{\bar{N}}(2N+187-B_{\bar{N}}(2N+186))+B_{\bar{N}}(2N+187-B_{\bar{N}}(2N+185))+B_{\bar{N}}(2N+187-B_{\bar{N}}(2N+184)) \\
&= B_{\bar{N}}(2N+187-(N+258))+B_{\bar{N}}(2N+187-(2N-134))+B_{\bar{N}}(2N+187-(N+248)) \\
&= B_{\bar{N}}(N-71)+B_{\bar{N}}(321)+B_{\bar{N}}(N-61)=(N-71)+321+(N-61)=\mathbf{2N+189} \\
&(N\geq 321)
\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+188)} &= B_{\bar{N}}(2N+188-B_{\bar{N}}(2N+187))+B_{\bar{N}}(2N+188-B_{\bar{N}}(2N+186))+B_{\bar{N}}(2N+188-B_{\bar{N}}(2N+185))\\ &= B_{\bar{N}}(2N+188-(2N+189))+B_{\bar{N}}(2N+188-(N+258))+B_{\bar{N}}(2N+188-(2N-134))\\ &= B_{\bar{N}}(-1)+B_{\bar{N}}(N-70)+B_{\bar{N}}(322)=0+(N-70)+322=\mathbf{N+252}\\ &(N\geq 322)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+189)} &= B_{\bar{N}}(2N+189-B_{\bar{N}}(2N+188))+B_{\bar{N}}(2N+189-B_{\bar{N}}(2N+187))+B_{\bar{N}}(2N+189-B_{\bar{N}}(2N+186))\\ &= B_{\bar{N}}(2N+189-(N+252))+B_{\bar{N}}(2N+189-(2N+189))+B_{\bar{N}}(2N+189-(N+258))\\ &= B_{\bar{N}}(N-63)+B_{\bar{N}}(0)+B_{\bar{N}}(N-69)=(N-63)+0+(N-69)=\mathbf{2N-132}\\ &(N\geq 286)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+190)} &= B_{\bar{N}}(2N+190-B_{\bar{N}}(2N+189))+B_{\bar{N}}(2N+190-B_{\bar{N}}(2N+188))+B_{\bar{N}}(2N+190-B_{\bar{N}}(2N+187))\\ &= B_{\bar{N}}(2N+190-(2N-132))+B_{\bar{N}}(2N+190-(N+252))+B_{\bar{N}}(2N+190-(2N+189))\\ &= B_{\bar{N}}(322)+B_{\bar{N}}(N-62)+B_{\bar{N}}(1)=322+(N-62)+1=\mathbf{N+261}\\ &(N\geq 322)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+191)} &= B_{\bar{N}}(2N+191-B_{\bar{N}}(2N+190))+B_{\bar{N}}(2N+191-B_{\bar{N}}(2N+189))+B_{\bar{N}}(2N+191-B_{\bar{N}}(2N+188))\\ &= B_{\bar{N}}(2N+191-(N+261))+B_{\bar{N}}(2N+191-(2N-132))+B_{\bar{N}}(2N+191-(N+252))\\ &= B_{\bar{N}}(N-70)+B_{\bar{N}}(323)+B_{\bar{N}}(N-61)=(N-70)+323+(N-61)=\mathbf{2N+192}\\ &(N\geq 323)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+192)} &= B_{\bar{N}}(2N+192-B_{\bar{N}}(2N+191))+B_{\bar{N}}(2N+192-B_{\bar{N}}(2N+190))+B_{\bar{N}}(2N+192-B_{\bar{N}}(2N+189))\\ &= B_{\bar{N}}(2N+192-(2N+192))+B_{\bar{N}}(2N+192-(N+261))+B_{\bar{N}}(2N+192-(2N-132))\\ &= B_{\bar{N}}(0)+B_{\bar{N}}(N-69)+B_{\bar{N}}(324)=0+(N-69)+324=\mathbf{N+255}\\ &(N\geq 324)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+193)} &= B_{\bar{N}}(2N+193-B_{\bar{N}}(2N+192))+B_{\bar{N}}(2N+193-B_{\bar{N}}(2N+191))+B_{\bar{N}}(2N+193-B_{\bar{N}}(2N+190))\\ &= B_{\bar{N}}(2N+193-(N+255))+B_{\bar{N}}(2N+193-(2N+192))+B_{\bar{N}}(2N+193-(N+261))\\ &= B_{\bar{N}}(N-62)+B_{\bar{N}}(1)+B_{\bar{N}}(N-68)=(N-62)+1+(N-68)=\mathbf{2N-129}\\ &(N\geq 287)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+194)} &= B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+193))+B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+192))+B_{\bar{N}}(2N+194-B_{\bar{N}}(2N+191))\\ &= B_{\bar{N}}(2N+194-(2N-129))+B_{\bar{N}}(2N+194-(N+255))+B_{\bar{N}}(2N+194-(2N+192))\\ &= B_{\bar{N}}(323)+B_{\bar{N}}(N-61)+B_{\bar{N}}(2)=323+(N-61)+2=\mathbf{N+264}\\ &(N\geq 323)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+195)} &= B_{\bar{N}}(2N+195-B_{\bar{N}}(2N+194))+B_{\bar{N}}(2N+195-B_{\bar{N}}(2N+193))+B_{\bar{N}}(2N+195-B_{\bar{N}}(2N+192))\\ &= B_{\bar{N}}(2N+195-(N+264))+B_{\bar{N}}(2N+195-(2N-129))+B_{\bar{N}}(2N+195-(N+255))\\ &= B_{\bar{N}}(N-69)+B_{\bar{N}}(324)+B_{\bar{N}}(N-60)=(N-69)+324+(N-60)=\mathbf{2N+195}\\ &(N\geq 324)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+196)} &= B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+195))+B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+194))+B_{\bar{N}}(2N+196-B_{\bar{N}}(2N+193))\\ &= B_{\bar{N}}(2N+196-(2N+195))+B_{\bar{N}}(2N+196-(N+264))+B_{\bar{N}}(2N+196-(2N-129))\\ &= B_{\bar{N}}(1)+B_{\bar{N}}(N-68)+B_{\bar{N}}(325)=1+(N-68)+325=\mathbf{N+258}\\ &(N\geq 325)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+197)} &= B_{\bar{N}}(2N+197-B_{\bar{N}}(2N+196))+B_{\bar{N}}(2N+197-B_{\bar{N}}(2N+195))+B_{\bar{N}}(2N+197-B_{\bar{N}}(2N+194))\\ &= B_{\bar{N}}(2N+197-(N+258))+B_{\bar{N}}(2N+197-(2N+195))+B_{\bar{N}}(2N+197-(N+264))\\ &= B_{\bar{N}}(N-61)+B_{\bar{N}}(2)+B_{\bar{N}}(N-67)=(N-61)+2+(N-67)=\mathbf{2N-126}\\ &(N\geq 288)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+198)} &= B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+197))+B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+196))+B_{\bar{N}}(2N+198-B_{\bar{N}}(2N+195))\\ &= B_{\bar{N}}(2N+198-(2N-126))+B_{\bar{N}}(2N+198-(N+258))+B_{\bar{N}}(2N+198-(2N+195))\\ &= B_{\bar{N}}(324)+B_{\bar{N}}(N-60)+B_{\bar{N}}(3)=324+(N-60)+3=\mathbf{N+267}\\ &(N\geq 324)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+199)} &= B_{\bar{N}}(2N+199-B_{\bar{N}}(2N+198))+B_{\bar{N}}(2N+199-B_{\bar{N}}(2N+197))+B_{\bar{N}}(2N+199-B_{\bar{N}}(2N+196))\\ &= B_{\bar{N}}(2N+199-(N+267))+B_{\bar{N}}(2N+199-(2N-126))+B_{\bar{N}}(2N+199-(N+258))\\ &= B_{\bar{N}}(N-68)+B_{\bar{N}}(325)+B_{\bar{N}}(N-59)=(N-68)+325+(N-59)=\mathbf{2N+198}\\ &(N\geq 325)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+200)} &= B_{\bar{N}}(2N+200-B_{\bar{N}}(2N+199))+B_{\bar{N}}(2N+200-B_{\bar{N}}(2N+198))+B_{\bar{N}}(2N+200-B_{\bar{N}}(2N+197))\\ &= B_{\bar{N}}(2N+200-(2N+198))+B_{\bar{N}}(2N+200-(N+267))+B_{\bar{N}}(2N+200-(2N-126))\\ &= B_{\bar{N}}(2)+B_{\bar{N}}(N-67)+B_{\bar{N}}(326)=2+(N-67)+326=\mathbf{N+261}\\ &(N\geq 326)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+201)} &= B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+200))+B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+199))+B_{\bar{N}}(2N+201-B_{\bar{N}}(2N+198))\\ &= B_{\bar{N}}(2N+201-(N+261))+B_{\bar{N}}(2N+201-(2N+198))+B_{\bar{N}}(2N+201-(N+267))\\ &= B_{\bar{N}}(N-60)+B_{\bar{N}}(3)+B_{\bar{N}}(N-66)=(N-60)+3+(N-66)=\mathbf{2N-123}\\ &(N\geq 289)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+202)} &= B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+201))+B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+200))+B_{\bar{N}}(2N+202-B_{\bar{N}}(2N+199))\\ &= B_{\bar{N}}(2N+202-(2N-123))+B_{\bar{N}}(2N+202-(N+261))+B_{\bar{N}}(2N+202-(2N+198))\\ &= B_{\bar{N}}(325)+B_{\bar{N}}(N-59)+B_{\bar{N}}(4)=325+(N-59)+4=\mathbf{N+270}\\ &(N\geq 325)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+203)} &= B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+202))+B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+201))+B_{\bar{N}}(2N+203-B_{\bar{N}}(2N+200))\\ &= B_{\bar{N}}(2N+203-(N+270))+B_{\bar{N}}(2N+203-(2N-123))+B_{\bar{N}}(2N+203-(N+261))\\ &= B_{\bar{N}}(N-67)+B_{\bar{N}}(326)+B_{\bar{N}}(N-58)=(N-67)+326+(N-58)=\mathbf{2N+201}\\ &(N\geq 326)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+204)} &= B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+203))+B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+202))+B_{\bar{N}}(2N+204-B_{\bar{N}}(2N+201))\\ &= B_{\bar{N}}(2N+204-(2N+201))+B_{\bar{N}}(2N+204-(N+270))+B_{\bar{N}}(2N+204-(2N-123))\\ &= B_{\bar{N}}(3)+B_{\bar{N}}(N-66)+B_{\bar{N}}(327)=3+(N-66)+327=\mathbf{N+264}\\ &(N\geq 327)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+205)} &= B_{\bar{N}}(2N+205-B_{\bar{N}}(2N+204))+B_{\bar{N}}(2N+205-B_{\bar{N}}(2N+203))+B_{\bar{N}}(2N+205-B_{\bar{N}}(2N+202))\\ &= B_{\bar{N}}(2N+205-(N+264))+B_{\bar{N}}(2N+205-(2N+201))+B_{\bar{N}}(2N+205-(N+270))\\ &= B_{\bar{N}}(N-59)+B_{\bar{N}}(4)+B_{\bar{N}}(N-65)=(N-59)+4+(N-65)=\mathbf{2N-120}\\ &(N\geq 290)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+206)} &= B_{\bar{N}}(2N+206-B_{\bar{N}}(2N+205))+B_{\bar{N}}(2N+206-B_{\bar{N}}(2N+204))+B_{\bar{N}}(2N+206-B_{\bar{N}}(2N+203))\\ &= B_{\bar{N}}(2N+206-(2N-120))+B_{\bar{N}}(2N+206-(N+264))+B_{\bar{N}}(2N+206-(2N+201))\\ &= B_{\bar{N}}(326)+B_{\bar{N}}(N-58)+B_{\bar{N}}(5)=326+(N-58)+5=\mathbf{N+273}\\ &(N\geq 326)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+207)} &= B_{\bar{N}}(2N+207-B_{\bar{N}}(2N+206))+B_{\bar{N}}(2N+207-B_{\bar{N}}(2N+205))+B_{\bar{N}}(2N+207-B_{\bar{N}}(2N+204))\\ &= B_{\bar{N}}(2N+207-(N+273))+B_{\bar{N}}(2N+207-(2N-120))+B_{\bar{N}}(2N+207-(N+264))\\ &= B_{\bar{N}}(N-66)+B_{\bar{N}}(327)+B_{\bar{N}}(N-57)=(N-66)+327+(N-57)=\mathbf{2N+204}\\ &(N\geq 327)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+208)} &= B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+207))+B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+206))+B_{\bar{N}}(2N+208-B_{\bar{N}}(2N+205))\\ &= B_{\bar{N}}(2N+208-(2N+204))+B_{\bar{N}}(2N+208-(N+273))+B_{\bar{N}}(2N+208-(2N-120))\\ &= B_{\bar{N}}(4)+B_{\bar{N}}(N-65)+B_{\bar{N}}(328)=4+(N-65)+328=\mathbf{N+267}\\ &(N\geq 328)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+209)} &= B_{\bar{N}}(2N+209-B_{\bar{N}}(2N+208))+B_{\bar{N}}(2N+209-B_{\bar{N}}(2N+207))+B_{\bar{N}}(2N+209-B_{\bar{N}}(2N+206))\\ &= B_{\bar{N}}(2N+209-(N+267))+B_{\bar{N}}(2N+209-(2N+204))+B_{\bar{N}}(2N+209-(N+273))\\ &= B_{\bar{N}}(N-58)+B_{\bar{N}}(5)+B_{\bar{N}}(N-64)=(N-58)+5+(N-64)=\mathbf{2N-117}\\ &(N\geq 291)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+210)} &= B_{\bar{N}}(2N+210-B_{\bar{N}}(2N+209))+B_{\bar{N}}(2N+210-B_{\bar{N}}(2N+208))+B_{\bar{N}}(2N+210-B_{\bar{N}}(2N+207))\\ &= B_{\bar{N}}(2N+210-(2N-117))+B_{\bar{N}}(2N+210-(N+267))+B_{\bar{N}}(2N+210-(2N+204))\\ &= B_{\bar{N}}(327)+B_{\bar{N}}(N-57)+B_{\bar{N}}(6)=327+(N-57)+6=\mathbf{N+276}\\ &(N\geq 327)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+211)} &= B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+210))+B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+209))+B_{\bar{N}}(2N+211-B_{\bar{N}}(2N+208))\\ &= B_{\bar{N}}(2N+211-(N+276))+B_{\bar{N}}(2N+211-(2N-117))+B_{\bar{N}}(2N+211-(N+267))\\ &= B_{\bar{N}}(N-65)+B_{\bar{N}}(328)+B_{\bar{N}}(N-56)=(N-65)+328+(N-56)=\mathbf{2N+207}\\ &(N\geq 328)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+212)} &= B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+211))+B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+210))+B_{\bar{N}}(2N+212-B_{\bar{N}}(2N+209))\\ &= B_{\bar{N}}(2N+212-(2N+207))+B_{\bar{N}}(2N+212-(N+276))+B_{\bar{N}}(2N+212-(2N-117))\\ &= B_{\bar{N}}(5)+B_{\bar{N}}(N-64)+B_{\bar{N}}(329)=5+(N-64)+329=\mathbf{N+270}\\ &(N\geq 329)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+213)} &= B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+212))+B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+211))+B_{\bar{N}}(2N+213-B_{\bar{N}}(2N+210))\\ &= B_{\bar{N}}(2N+213-(N+270))+B_{\bar{N}}(2N+213-(2N+207))+B_{\bar{N}}(2N+213-(N+276))\\ &= B_{\bar{N}}(N-57)+B_{\bar{N}}(6)+B_{\bar{N}}(N-63)=(N-57)+6+(N-63)=\mathbf{2N-114}\\ &(N\geq 292)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+214)} &= B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+213))+B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+212))+B_{\bar{N}}(2N+214-B_{\bar{N}}(2N+211))\\ &= B_{\bar{N}}(2N+214-(2N-114))+B_{\bar{N}}(2N+214-(N+270))+B_{\bar{N}}(2N+214-(2N+207))\\ &= B_{\bar{N}}(328)+B_{\bar{N}}(N-56)+B_{\bar{N}}(7)=328+(N-56)+7=\mathbf{N+279}\\ &(N\geq 328)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+215)} &= B_{\bar{N}}(2N+215-B_{\bar{N}}(2N+214))+B_{\bar{N}}(2N+215-B_{\bar{N}}(2N+213))+B_{\bar{N}}(2N+215-B_{\bar{N}}(2N+212))\\ &= B_{\bar{N}}(2N+215-(N+279))+B_{\bar{N}}(2N+215-(2N-114))+B_{\bar{N}}(2N+215-(N+270))\\ &= B_{\bar{N}}(N-64)+B_{\bar{N}}(329)+B_{\bar{N}}(N-55)=(N-64)+329+(N-55)=\mathbf{2N+210}\\ &(N\geq 329)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+216)} &= B_{\bar{N}}(2N+216-B_{\bar{N}}(2N+215))+B_{\bar{N}}(2N+216-B_{\bar{N}}(2N+214))+B_{\bar{N}}(2N+216-B_{\bar{N}}(2N+213))\\ &= B_{\bar{N}}(2N+216-(2N+210))+B_{\bar{N}}(2N+216-(N+279))+B_{\bar{N}}(2N+216-(2N-114))\\ &= B_{\bar{N}}(6)+B_{\bar{N}}(N-63)+B_{\bar{N}}(330)=6+(N-63)+330=\mathbf{N+273}\\ &(N\geq 330)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+217)} &= B_{\bar{N}}(2N+217-B_{\bar{N}}(2N+216))+B_{\bar{N}}(2N+217-B_{\bar{N}}(2N+215))+B_{\bar{N}}(2N+217-B_{\bar{N}}(2N+214))\\ &= B_{\bar{N}}(2N+217-(N+273))+B_{\bar{N}}(2N+217-(2N+210))+B_{\bar{N}}(2N+217-(N+279))\\ &= B_{\bar{N}}(N-56)+B_{\bar{N}}(7)+B_{\bar{N}}(N-62)=(N-56)+7+(N-62)=\mathbf{2N-111}\\ &(N\geq 293)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+218)} &= B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+217))+B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+216))+B_{\bar{N}}(2N+218-B_{\bar{N}}(2N+215))\\ &= B_{\bar{N}}(2N+218-(2N-111))+B_{\bar{N}}(2N+218-(N+273))+B_{\bar{N}}(2N+218-(2N+210))\\ &= B_{\bar{N}}(329)+B_{\bar{N}}(N-55)+B_{\bar{N}}(8)=329+(N-55)+8=\mathbf{N+282}\\ &(N\geq 329)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+219)} &= B_{\bar{N}}(2N+219-B_{\bar{N}}(2N+218))+B_{\bar{N}}(2N+219-B_{\bar{N}}(2N+217))+B_{\bar{N}}(2N+219-B_{\bar{N}}(2N+216))\\ &= B_{\bar{N}}(2N+219-(N+282))+B_{\bar{N}}(2N+219-(2N-111))+B_{\bar{N}}(2N+219-(N+273))\\ &= B_{\bar{N}}(N-63)+B_{\bar{N}}(330)+B_{\bar{N}}(N-54)=(N-63)+330+(N-54)=\mathbf{2N+213}\\ &(N\geq 330)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+220)} &= B_{\bar{N}}(2N+220-B_{\bar{N}}(2N+219))+B_{\bar{N}}(2N+220-B_{\bar{N}}(2N+218))+B_{\bar{N}}(2N+220-B_{\bar{N}}(2N+217))\\ &= B_{\bar{N}}(2N+220-(2N+213))+B_{\bar{N}}(2N+220-(N+282))+B_{\bar{N}}(2N+220-(2N-111))\\ &= B_{\bar{N}}(7)+B_{\bar{N}}(N-62)+B_{\bar{N}}(331)=7+(N-62)+331=\mathbf{N+276}\\ &(N\geq 331)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+221)} &= B_{\bar{N}}(2N+221-B_{\bar{N}}(2N+220))+B_{\bar{N}}(2N+221-B_{\bar{N}}(2N+219))+B_{\bar{N}}(2N+221-B_{\bar{N}}(2N+218))\\ &= B_{\bar{N}}(2N+221-(N+276))+B_{\bar{N}}(2N+221-(2N+213))+B_{\bar{N}}(2N+221-(N+282))\\ &= B_{\bar{N}}(N-55)+B_{\bar{N}}(8)+B_{\bar{N}}(N-61)=(N-55)+8+(N-61)=\mathbf{2N-108}\\ &(N\geq 294)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+222)} &= B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+221))+B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+220))+B_{\bar{N}}(2N+222-B_{\bar{N}}(2N+219))\\ &= B_{\bar{N}}(2N+222-(2N-108))+B_{\bar{N}}(2N+222-(N+276))+B_{\bar{N}}(2N+222-(2N+213))\\ &= B_{\bar{N}}(330)+B_{\bar{N}}(N-54)+B_{\bar{N}}(9)=330+(N-54)+9=\mathbf{N+285}\\ &(N\geq 330)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+223)} &= B_{\bar{N}}(2N+223-B_{\bar{N}}(2N+222))+B_{\bar{N}}(2N+223-B_{\bar{N}}(2N+221))+B_{\bar{N}}(2N+223-B_{\bar{N}}(2N+220))\\ &= B_{\bar{N}}(2N+223-(N+285))+B_{\bar{N}}(2N+223-(2N-108))+B_{\bar{N}}(2N+223-(N+276))\\ &= B_{\bar{N}}(N-62)+B_{\bar{N}}(331)+B_{\bar{N}}(N-53)=(N-62)+331+(N-53)=\mathbf{2N+216}\\ &(N\geq 331)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+224)} &= B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+223))+B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+222))+B_{\bar{N}}(2N+224-B_{\bar{N}}(2N+221))\\ &= B_{\bar{N}}(2N+224-(2N+216))+B_{\bar{N}}(2N+224-(N+285))+B_{\bar{N}}(2N+224-(2N-108))\\ &= B_{\bar{N}}(8)+B_{\bar{N}}(N-61)+B_{\bar{N}}(332)=8+(N-61)+332=\mathbf{N+279}\\ &(N\geq 332)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+225)} &= B_{\bar{N}}(2N+225-B_{\bar{N}}(2N+224))+B_{\bar{N}}(2N+225-B_{\bar{N}}(2N+223))+B_{\bar{N}}(2N+225-B_{\bar{N}}(2N+222))\\ &= B_{\bar{N}}(2N+225-(N+279))+B_{\bar{N}}(2N+225-(2N+216))+B_{\bar{N}}(2N+225-(N+285))\\ &= B_{\bar{N}}(N-54)+B_{\bar{N}}(9)+B_{\bar{N}}(N-60)=(N-54)+9+(N-60)=\mathbf{2N-105}\\ &(N\geq 295)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+226)} &= B_{\bar{N}}(2N+226-B_{\bar{N}}(2N+225))+B_{\bar{N}}(2N+226-B_{\bar{N}}(2N+224))+B_{\bar{N}}(2N+226-B_{\bar{N}}(2N+223))\\ &= B_{\bar{N}}(2N+226-(2N-105))+B_{\bar{N}}(2N+226-(N+279))+B_{\bar{N}}(2N+226-(2N+216))\\ &= B_{\bar{N}}(331)+B_{\bar{N}}(N-53)+B_{\bar{N}}(10)=331+(N-53)+10=\mathbf{N+288}\\ &(N\geq 331)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+227)} &= B_{\bar{N}}(2N+227-B_{\bar{N}}(2N+226))+B_{\bar{N}}(2N+227-B_{\bar{N}}(2N+225))+B_{\bar{N}}(2N+227-B_{\bar{N}}(2N+224))\\ &= B_{\bar{N}}(2N+227-(N+288))+B_{\bar{N}}(2N+227-(2N-105))+B_{\bar{N}}(2N+227-(N+279))\\ &= B_{\bar{N}}(N-61)+B_{\bar{N}}(332)+B_{\bar{N}}(N-52)=(N-61)+332+(N-52)=\mathbf{2N+219}\\ &(N\geq 332)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+228)} &= B_{\bar{N}}(2N+228-B_{\bar{N}}(2N+227))+B_{\bar{N}}(2N+228-B_{\bar{N}}(2N+226))+B_{\bar{N}}(2N+228-B_{\bar{N}}(2N+225))\\ &= B_{\bar{N}}(2N+228-(2N+219))+B_{\bar{N}}(2N+228-(N+288))+B_{\bar{N}}(2N+228-(2N-105))\\ &= B_{\bar{N}}(9)+B_{\bar{N}}(N-60)+B_{\bar{N}}(333) = 9+(N-60)+333 = \mathbf{N+282}\\ &(N \geq 333)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+229)} &= B_{\bar{N}}(2N+229-B_{\bar{N}}(2N+228))+B_{\bar{N}}(2N+229-B_{\bar{N}}(2N+227))+B_{\bar{N}}(2N+229-B_{\bar{N}}(2N+226))\\ &= B_{\bar{N}}(2N+229-(N+282))+B_{\bar{N}}(2N+229-(2N+219))+B_{\bar{N}}(2N+229-(N+288))\\ &= B_{\bar{N}}(N-53)+B_{\bar{N}}(10)+B_{\bar{N}}(N-59) = (N-53)+10+(N-59) = \mathbf{2N-102}\\ &(N \geq 296)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+230)} &= B_{\bar{N}}(2N+230-B_{\bar{N}}(2N+229))+B_{\bar{N}}(2N+230-B_{\bar{N}}(2N+228))+B_{\bar{N}}(2N+230-B_{\bar{N}}(2N+227))\\ &= B_{\bar{N}}(2N+230-(2N-102))+B_{\bar{N}}(2N+230-(N+282))+B_{\bar{N}}(2N+230-(2N+219))\\ &= B_{\bar{N}}(332)+B_{\bar{N}}(N-52)+B_{\bar{N}}(11) = 332+(N-52)+11 = \mathbf{N+291}\\ &(N \geq 332)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+231)} &= B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+230))+B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+229))+B_{\bar{N}}(2N+231-B_{\bar{N}}(2N+228))\\ &= B_{\bar{N}}(2N+231-(N+291))+B_{\bar{N}}(2N+231-(2N-102))+B_{\bar{N}}(2N+231-(N+282))\\ &= B_{\bar{N}}(N-60)+B_{\bar{N}}(333)+B_{\bar{N}}(N-51) = (N-60)+333+(N-51) = \mathbf{2N+222}\\ &(N \geq 333)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+232)} &= B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+231))+B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+230))+B_{\bar{N}}(2N+232-B_{\bar{N}}(2N+229))\\ &= B_{\bar{N}}(2N+232-(2N+222))+B_{\bar{N}}(2N+232-(N+291))+B_{\bar{N}}(2N+232-(2N-102))\\ &= B_{\bar{N}}(10)+B_{\bar{N}}(N-59)+B_{\bar{N}}(334) = 10+(N-59)+334 = \mathbf{N+285}\\ &(N \geq 334)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+233)} &= B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+232))+B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+231))+B_{\bar{N}}(2N+233-B_{\bar{N}}(2N+230))\\ &= B_{\bar{N}}(2N+233-(N+285))+B_{\bar{N}}(2N+233-(2N+222))+B_{\bar{N}}(2N+233-(N+291))\\ &= B_{\bar{N}}(N-52)+B_{\bar{N}}(11)+B_{\bar{N}}(N-58)=(N-52)+11+(N-58)=\mathbf{2N-99}\\ &(N\geq 297)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+234)} &= B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+233))+B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+232))+B_{\bar{N}}(2N+234-B_{\bar{N}}(2N+231))\\ &= B_{\bar{N}}(2N+234-(2N-99))+B_{\bar{N}}(2N+234-(N+285))+B_{\bar{N}}(2N+234-(2N+222))\\ &= B_{\bar{N}}(333)+B_{\bar{N}}(N-51)+B_{\bar{N}}(12)=333+(N-51)+12=\mathbf{N+294}\\ &(N\geq 333)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+235)} &= B_{\bar{N}}(2N+235-B_{\bar{N}}(2N+234))+B_{\bar{N}}(2N+235-B_{\bar{N}}(2N+233))+B_{\bar{N}}(2N+235-B_{\bar{N}}(2N+232))\\ &= B_{\bar{N}}(2N+235-(N+294))+B_{\bar{N}}(2N+235-(2N-99))+B_{\bar{N}}(2N+235-(N+285))\\ &= B_{\bar{N}}(N-59)+B_{\bar{N}}(334)+B_{\bar{N}}(N-50)=(N-59)+334+(N-50)=\mathbf{2N+225}\\ &(N\geq 334)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+236)} &= B_{\bar{N}}(2N+236-B_{\bar{N}}(2N+235))+B_{\bar{N}}(2N+236-B_{\bar{N}}(2N+234))+B_{\bar{N}}(2N+236-B_{\bar{N}}(2N+233))\\ &= B_{\bar{N}}(2N+236-(2N+225))+B_{\bar{N}}(2N+236-(N+294))+B_{\bar{N}}(2N+236-(2N-99))\\ &= B_{\bar{N}}(11)+B_{\bar{N}}(N-58)+B_{\bar{N}}(335)=11+(N-58)+335=\mathbf{N+288}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+237)} &= B_{\bar{N}}(2N+237-B_{\bar{N}}(2N+236))+B_{\bar{N}}(2N+237-B_{\bar{N}}(2N+235))+B_{\bar{N}}(2N+237-B_{\bar{N}}(2N+234))\\ &= B_{\bar{N}}(2N+237-(N+288))+B_{\bar{N}}(2N+237-(2N+225))+B_{\bar{N}}(2N+237-(N+294))\\ &= B_{\bar{N}}(N-51)+B_{\bar{N}}(12)+B_{\bar{N}}(N-57)=(N-51)+12+(N-57)=\mathbf{2N-96}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+238)} &= B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+237))+B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+236))+B_{\bar{N}}(2N+238-B_{\bar{N}}(2N+235))\\ &= B_{\bar{N}}(2N+238-(2N-96))+B_{\bar{N}}(2N+238-(N+288))+B_{\bar{N}}(2N+238-(2N+225))\\ &= B_{\bar{N}}(334)+B_{\bar{N}}(N-50)+B_{\bar{N}}(13)=334+(N-50)+13=\mathbf{N+297}\\ &(N\geq 367)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+239)} &= B_{\bar{N}}(2N+239-B_{\bar{N}}(2N+238))+B_{\bar{N}}(2N+239-B_{\bar{N}}(2N+237))+B_{\bar{N}}(2N+239-B_{\bar{N}}(2N+236))\\ &= B_{\bar{N}}(2N+239-(N+297))+B_{\bar{N}}(2N+239-(2N-96))+B_{\bar{N}}(2N+239-(N+288))\\ &= B_{\bar{N}}(N-58)+B_{\bar{N}}(335)+B_{\bar{N}}(N-49)=(N-58)+335+(N-49)=\mathbf{2N+228}\\ &(N\geq 335)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+240)} &= B_{\bar{N}}(2N+240-B_{\bar{N}}(2N+239))+B_{\bar{N}}(2N+240-B_{\bar{N}}(2N+238))+B_{\bar{N}}(2N+240-B_{\bar{N}}(2N+237))\\ &= B_{\bar{N}}(2N+240-(2N+228))+B_{\bar{N}}(2N+240-(N+297))+B_{\bar{N}}(2N+240-(2N-96))\\ &= B_{\bar{N}}(12)+B_{\bar{N}}(N-57)+B_{\bar{N}}(336)=12+(N-57)+336=\mathbf{N+291}\\ &(N\geq 336)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+241)} &= B_{\bar{N}}(2N+241-B_{\bar{N}}(2N+240))+B_{\bar{N}}(2N+241-B_{\bar{N}}(2N+239))+B_{\bar{N}}(2N+241-B_{\bar{N}}(2N+238))\\ &= B_{\bar{N}}(2N+241-(N+291))+B_{\bar{N}}(2N+241-(2N+228))+B_{\bar{N}}(2N+241-(N+297))\\ &= B_{\bar{N}}(N-50)+B_{\bar{N}}(13)+B_{\bar{N}}(N-56)=(N-50)+13+(N-56)=\mathbf{2N-93}\\ &(N\geq 299)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+242)} &= B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+241))+B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+240))+B_{\bar{N}}(2N+242-B_{\bar{N}}(2N+239))\\ &= B_{\bar{N}}(2N+242-(2N-93))+B_{\bar{N}}(2N+242-(N+291))+B_{\bar{N}}(2N+242-(2N+228))\\ &= B_{\bar{N}}(335)+B_{\bar{N}}(N-49)+B_{\bar{N}}(14)=335+(N-49)+14=\mathbf{N+300}\\ &(N\geq 335)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+243)} &= B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+242))+B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+241))+B_{\bar{N}}(2N+243-B_{\bar{N}}(2N+240))\\ &= B_{\bar{N}}(2N+243-(N+300))+B_{\bar{N}}(2N+243-(2N-93))+B_{\bar{N}}(2N+243-(N+291))\\ &= B_{\bar{N}}(N-57)+B_{\bar{N}}(336)+B_{\bar{N}}(N-48)=(N-57)+336+(N-48)=\mathbf{2N+231}\\ &(N\geq 336)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+244)} &= B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+243))+B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+242))+B_{\bar{N}}(2N+244-B_{\bar{N}}(2N+241))\\ &= B_{\bar{N}}(2N+244-(2N+231))+B_{\bar{N}}(2N+244-(N+300))+B_{\bar{N}}(2N+244-(2N-93))\\ &= B_{\bar{N}}(13)+B_{\bar{N}}(N-56)+B_{\bar{N}}(337)=13+(N-56)+337=\mathbf{N+294}\\ &(N\geq 337)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+245)} &= B_{\bar{N}}(2N+245-B_{\bar{N}}(2N+244))+B_{\bar{N}}(2N+245-B_{\bar{N}}(2N+243))+B_{\bar{N}}(2N+245-B_{\bar{N}}(2N+242))\\ &= B_{\bar{N}}(2N+245-(N+294))+B_{\bar{N}}(2N+245-(2N+231))+B_{\bar{N}}(2N+245-(N+300))\\ &= B_{\bar{N}}(N-49)+B_{\bar{N}}(14)+B_{\bar{N}}(N-55)=(N-49)+14+(N-55)=\mathbf{2N-90}\\ &(N\geq 300)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+246)} &= B_{\bar{N}}(2N+246-B_{\bar{N}}(2N+245))+B_{\bar{N}}(2N+246-B_{\bar{N}}(2N+244))+B_{\bar{N}}(2N+246-B_{\bar{N}}(2N+243))\\ &= B_{\bar{N}}(2N+246-(2N-90))+B_{\bar{N}}(2N+246-(N+294))+B_{\bar{N}}(2N+246-(2N+231))\\ &= B_{\bar{N}}(336)+B_{\bar{N}}(N-48)+B_{\bar{N}}(15)=336+(N-48)+15=\mathbf{N+303}\\ &(N\geq 336)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+247)} &= B_{\bar{N}}(2N+247-B_{\bar{N}}(2N+246))+B_{\bar{N}}(2N+247-B_{\bar{N}}(2N+245))+B_{\bar{N}}(2N+247-B_{\bar{N}}(2N+244))\\ &= B_{\bar{N}}(2N+247-(N+303))+B_{\bar{N}}(2N+247-(2N-90))+B_{\bar{N}}(2N+247-(N+294))\\ &= B_{\bar{N}}(N-56)+B_{\bar{N}}(337)+B_{\bar{N}}(N-47)=(N-56)+337+(N-47)=\mathbf{2N+234}\\ &(N\geq 337)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+248)} &= B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+247))+B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+246))+B_{\bar{N}}(2N+248-B_{\bar{N}}(2N+245))\\ &= B_{\bar{N}}(2N+248-(2N+234))+B_{\bar{N}}(2N+248-(N+303))+B_{\bar{N}}(2N+248-(2N-90))\\ &= B_{\bar{N}}(14)+B_{\bar{N}}(N-55)+B_{\bar{N}}(338)=14+(N-55)+338=\mathbf{N+297}\\ &(N\geq 338)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+249)} &= B_{\bar{N}}(2N+249-B_{\bar{N}}(2N+248))+B_{\bar{N}}(2N+249-B_{\bar{N}}(2N+247))+B_{\bar{N}}(2N+249-B_{\bar{N}}(2N+246))\\ &= B_{\bar{N}}(2N+249-(N+297))+B_{\bar{N}}(2N+249-(2N+234))+B_{\bar{N}}(2N+249-(N+303))\\ &= B_{\bar{N}}(N-48)+B_{\bar{N}}(15)+B_{\bar{N}}(N-54)=(N-48)+15+(N-54)=\mathbf{2N-87}\\ &(N\geq 301)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+250)} &= B_{\bar{N}}(2N+250-B_{\bar{N}}(2N+249))+B_{\bar{N}}(2N+250-B_{\bar{N}}(2N+248))+B_{\bar{N}}(2N+250-B_{\bar{N}}(2N+247))\\ &= B_{\bar{N}}(2N+250-(2N-87))+B_{\bar{N}}(2N+250-(N+297))+B_{\bar{N}}(2N+250-(2N+234))\\ &= B_{\bar{N}}(337)+B_{\bar{N}}(N-47)+B_{\bar{N}}(16)=337+(N-47)+16=\mathbf{N+306}\\ &(N\geq 337)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+251)} &= B_{\bar{N}}(2N+251-B_{\bar{N}}(2N+250))+B_{\bar{N}}(2N+251-B_{\bar{N}}(2N+249))+B_{\bar{N}}(2N+251-B_{\bar{N}}(2N+248))\\ &= B_{\bar{N}}(2N+251-(N+306))+B_{\bar{N}}(2N+251-(2N-87))+B_{\bar{N}}(2N+251-(N+297))\\ &= B_{\bar{N}}(N-55)+B_{\bar{N}}(338)+B_{\bar{N}}(N-46)=(N-55)+338+(N-46)=\mathbf{2N+237}\\ &(N\geq 338)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+252)} &= B_{\bar{N}}(2N+252-B_{\bar{N}}(2N+251))+B_{\bar{N}}(2N+252-B_{\bar{N}}(2N+250))+B_{\bar{N}}(2N+252-B_{\bar{N}}(2N+249))\\ &= B_{\bar{N}}(2N+252-(2N+237))+B_{\bar{N}}(2N+252-(N+306))+B_{\bar{N}}(2N+252-(2N-87))\\ &= B_{\bar{N}}(15)+B_{\bar{N}}(N-54)+B_{\bar{N}}(339)=15+(N-54)+339=\mathbf{N+300}\\ &(N\geq 339)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+253)} &= B_{\bar{N}}(2N+253-B_{\bar{N}}(2N+252))+B_{\bar{N}}(2N+253-B_{\bar{N}}(2N+251))+B_{\bar{N}}(2N+253-B_{\bar{N}}(2N+250))\\ &= B_{\bar{N}}(2N+253-(N+300))+B_{\bar{N}}(2N+253-(2N+237))+B_{\bar{N}}(2N+253-(N+306))\\ &= B_{\bar{N}}(N-47)+B_{\bar{N}}(16)+B_{\bar{N}}(N-53)=(N-47)+16+(N-53)=\mathbf{2N-84}\\ &(N\geq 322)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+254)} &= B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+253))+B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+252))+B_{\bar{N}}(2N+254-B_{\bar{N}}(2N+251))\\ &= B_{\bar{N}}(2N+254-(2N-84))+B_{\bar{N}}(2N+254-(N+300))+B_{\bar{N}}(2N+254-(2N+237))\\ &= B_{\bar{N}}(338)+B_{\bar{N}}(N-46)+B_{\bar{N}}(17)=338+(N-46)+17=\mathbf{N+309}\\ &(\mathbf{N\geq 2087})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+255)} &= B_{\bar{N}}(2N+255-B_{\bar{N}}(2N+254))+B_{\bar{N}}(2N+255-B_{\bar{N}}(2N+253))+B_{\bar{N}}(2N+255-B_{\bar{N}}(2N+252))\\ &= B_{\bar{N}}(2N+255-(N+309))+B_{\bar{N}}(2N+255-(2N-84))+B_{\bar{N}}(2N+255-(N+300))\\ &= B_{\bar{N}}(N-54)+B_{\bar{N}}(339)+B_{\bar{N}}(N-45)=(N-54)+339+(N-45)=\mathbf{2N+240}\\ &(N\geq 339)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+256)} &= B_{\bar{N}}(2N+256-B_{\bar{N}}(2N+255))+B_{\bar{N}}(2N+256-B_{\bar{N}}(2N+254))+B_{\bar{N}}(2N+256-B_{\bar{N}}(2N+253))\\ &= B_{\bar{N}}(2N+256-(2N+240))+B_{\bar{N}}(2N+256-(N+309))+B_{\bar{N}}(2N+256-(2N-84))\\ &= B_{\bar{N}}(16)+B_{\bar{N}}(N-53)+B_{\bar{N}}(340)=16+(N-53)+340=\mathbf{N+303}\\ &(N\geq 340)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+257)} &= B_{\bar{N}}(2N+257-B_{\bar{N}}(2N+256))+B_{\bar{N}}(2N+257-B_{\bar{N}}(2N+255))+B_{\bar{N}}(2N+257-B_{\bar{N}}(2N+254))\\ &= B_{\bar{N}}(2N+257-(N+303))+B_{\bar{N}}(2N+257-(2N+240))+B_{\bar{N}}(2N+257-(N+309))\\ &= B_{\bar{N}}(N-46)+B_{\bar{N}}(17)+B_{\bar{N}}(N-52)=(N-46)+17+(N-52)=\mathbf{2N-81}\\ &(N\geq 303)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+258)} &= B_{\bar{N}}(2N+258-B_{\bar{N}}(2N+257))+B_{\bar{N}}(2N+258-B_{\bar{N}}(2N+256))+B_{\bar{N}}(2N+258-B_{\bar{N}}(2N+255))\\ &= B_{\bar{N}}(2N+258-(2N-81))+B_{\bar{N}}(2N+258-(N+303))+B_{\bar{N}}(2N+258-(2N+240))\\ &= B_{\bar{N}}(339)+B_{\bar{N}}(N-45)+B_{\bar{N}}(18)=339+(N-45)+18=\mathbf{N+312}\\ &(N\geq 339)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+259)} &= B_{\bar{N}}(2N+259-B_{\bar{N}}(2N+258))+B_{\bar{N}}(2N+259-B_{\bar{N}}(2N+257))+B_{\bar{N}}(2N+259-B_{\bar{N}}(2N+256))\\ &= B_{\bar{N}}(2N+259-(N+312))+B_{\bar{N}}(2N+259-(2N-81))+B_{\bar{N}}(2N+259-(N+303))\\ &= B_{\bar{N}}(N-53)+B_{\bar{N}}(340)+B_{\bar{N}}(N-44)=(N-53)+340+(N-44)=\mathbf{2N+243}\\ &(N\geq 340)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+260)} &= B_{\bar{N}}(2N+260-B_{\bar{N}}(2N+259))+B_{\bar{N}}(2N+260-B_{\bar{N}}(2N+258))+B_{\bar{N}}(2N+260-B_{\bar{N}}(2N+257))\\ &= B_{\bar{N}}(2N+260-(2N+243))+B_{\bar{N}}(2N+260-(N+312))+B_{\bar{N}}(2N+260-(2N-81))\\ &= B_{\bar{N}}(17)+B_{\bar{N}}(N-52)+B_{\bar{N}}(341)=17+(N-52)+341=\mathbf{N+306}\\ &(N\geq 341)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+261)} &= B_{\bar{N}}(2N+261-B_{\bar{N}}(2N+260))+B_{\bar{N}}(2N+261-B_{\bar{N}}(2N+259))+B_{\bar{N}}(2N+261-B_{\bar{N}}(2N+258))\\ &= B_{\bar{N}}(2N+261-(N+306))+B_{\bar{N}}(2N+261-(2N+243))+B_{\bar{N}}(2N+261-(N+312))\\ &= B_{\bar{N}}(N-45)+B_{\bar{N}}(18)+B_{\bar{N}}(N-51)=(N-45)+18+(N-51)=\mathbf{2N-78}\\ &(N\geq 304)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+262)} &= B_{\bar{N}}(2N+262-B_{\bar{N}}(2N+261))+B_{\bar{N}}(2N+262-B_{\bar{N}}(2N+260))+B_{\bar{N}}(2N+262-B_{\bar{N}}(2N+259))\\ &= B_{\bar{N}}(2N+262-(2N-78))+B_{\bar{N}}(2N+262-(N+306))+B_{\bar{N}}(2N+262-(2N+243))\\ &= B_{\bar{N}}(340)+B_{\bar{N}}(N-44)+B_{\bar{N}}(19)=340+(N-44)+19=\mathbf{N+315}\\ &(N\geq 340)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+263)} &= B_{\bar{N}}(2N+263-B_{\bar{N}}(2N+262))+B_{\bar{N}}(2N+263-B_{\bar{N}}(2N+261))+B_{\bar{N}}(2N+263-B_{\bar{N}}(2N+260))\\ &= B_{\bar{N}}(2N+263-(N+315))+B_{\bar{N}}(2N+263-(2N-78))+B_{\bar{N}}(2N+263-(N+306))\\ &= B_{\bar{N}}(N-52)+B_{\bar{N}}(341)+B_{\bar{N}}(N-43)=(N-52)+341+(N-43)=\mathbf{2N+246}\\ &(N\geq 341)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+264)} &= B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+263))+B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+262))+B_{\bar{N}}(2N+264-B_{\bar{N}}(2N+261))\\ &= B_{\bar{N}}(2N+264-(2N+246))+B_{\bar{N}}(2N+264-(N+315))+B_{\bar{N}}(2N+264-(2N-78))\\ &= B_{\bar{N}}(18)+B_{\bar{N}}(N-51)+B_{\bar{N}}(342)=18+(N-51)+342=\mathbf{N+309}\\ &(N\geq 342)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+265)} &= B_{\bar{N}}(2N+265-B_{\bar{N}}(2N+264))+B_{\bar{N}}(2N+265-B_{\bar{N}}(2N+263))+B_{\bar{N}}(2N+265-B_{\bar{N}}(2N+262))\\ &= B_{\bar{N}}(2N+265-(N+309))+B_{\bar{N}}(2N+265-(2N+246))+B_{\bar{N}}(2N+265-(N+315))\\ &= B_{\bar{N}}(N-44)+B_{\bar{N}}(19)+B_{\bar{N}}(N-50)=(N-44)+19+(N-50)=\mathbf{2N-75}\\ &(N\geq 305)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+266)} &= B_{\bar{N}}(2N+266-B_{\bar{N}}(2N+265))+B_{\bar{N}}(2N+266-B_{\bar{N}}(2N+264))+B_{\bar{N}}(2N+266-B_{\bar{N}}(2N+263))\\ &= B_{\bar{N}}(2N+266-(2N-75))+B_{\bar{N}}(2N+266-(N+309))+B_{\bar{N}}(2N+266-(2N+246))\\ &= B_{\bar{N}}(341)+B_{\bar{N}}(N-43)+B_{\bar{N}}(20)=341+(N-43)+20=\mathbf{N+318}\\ &(N\geq 341)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+267)} &= B_{\bar{N}}(2N+267-B_{\bar{N}}(2N+266))+B_{\bar{N}}(2N+267-B_{\bar{N}}(2N+265))+B_{\bar{N}}(2N+267-B_{\bar{N}}(2N+264))\\ &= B_{\bar{N}}(2N+267-(N+318))+B_{\bar{N}}(2N+267-(2N-75))+B_{\bar{N}}(2N+267-(N+309))\\ &= B_{\bar{N}}(N-51)+B_{\bar{N}}(342)+B_{\bar{N}}(N-42)=(N-51)+342+(N-42)=\mathbf{2N+249}\\ &(N\geq 342)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+268)} &= B_{\bar{N}}(2N+268-B_{\bar{N}}(2N+267))+B_{\bar{N}}(2N+268-B_{\bar{N}}(2N+266))+B_{\bar{N}}(2N+268-B_{\bar{N}}(2N+265))\\ &= B_{\bar{N}}(2N+268-(2N+249))+B_{\bar{N}}(2N+268-(N+318))+B_{\bar{N}}(2N+268-(2N-75))\\ &= B_{\bar{N}}(19)+B_{\bar{N}}(N-50)+B_{\bar{N}}(343)=19+(N-50)+343=\mathbf{N+312}\\ &(N\geq 343)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+269)} &= B_{\bar{N}}(2N+269-B_{\bar{N}}(2N+268))+B_{\bar{N}}(2N+269-B_{\bar{N}}(2N+267))+B_{\bar{N}}(2N+269-B_{\bar{N}}(2N+266))\\ &= B_{\bar{N}}(2N+269-(N+312))+B_{\bar{N}}(2N+269-(2N+249))+B_{\bar{N}}(2N+269-(N+318))\\ &= B_{\bar{N}}(N-43)+B_{\bar{N}}(20)+B_{\bar{N}}(N-49)=(N-43)+20+(N-49)=\mathbf{2N-72}\\ &(N\geq 306)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+270)} &= B_{\bar{N}}(2N+270-B_{\bar{N}}(2N+269))+B_{\bar{N}}(2N+270-B_{\bar{N}}(2N+268))+B_{\bar{N}}(2N+270-B_{\bar{N}}(2N+267))\\ &= B_{\bar{N}}(2N+270-(2N-72))+B_{\bar{N}}(2N+270-(N+312))+B_{\bar{N}}(2N+270-(2N+249))\\ &= B_{\bar{N}}(342)+B_{\bar{N}}(N-42)+B_{\bar{N}}(21)=342+(N-42)+21=\mathbf{N+321}\\ &(N\geq 342)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+271)} &= B_{\bar{N}}(2N+271-B_{\bar{N}}(2N+270))+B_{\bar{N}}(2N+271-B_{\bar{N}}(2N+269))+B_{\bar{N}}(2N+271-B_{\bar{N}}(2N+268))\\ &= B_{\bar{N}}(2N+271-(N+321))+B_{\bar{N}}(2N+271-(2N-72))+B_{\bar{N}}(2N+271-(N+312))\\ &= B_{\bar{N}}(N-50)+B_{\bar{N}}(343)+B_{\bar{N}}(N-41)=(N-50)+343+(N-41)=\mathbf{2N+252}\\ &(N\geq 343)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+272)} &= B_{\bar{N}}(2N+272-B_{\bar{N}}(2N+271))+B_{\bar{N}}(2N+272-B_{\bar{N}}(2N+270))+B_{\bar{N}}(2N+272-B_{\bar{N}}(2N+269))\\ &= B_{\bar{N}}(2N+272-(2N+252))+B_{\bar{N}}(2N+272-(N+321))+B_{\bar{N}}(2N+272-(2N-72))\\ &= B_{\bar{N}}(20)+B_{\bar{N}}(N-49)+B_{\bar{N}}(344)=20+(N-49)+344=\mathbf{N+315}\\ &(N\geq 344)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+273)} &= B_{\bar{N}}(2N+273-B_{\bar{N}}(2N+272))+B_{\bar{N}}(2N+273-B_{\bar{N}}(2N+271))+B_{\bar{N}}(2N+273-B_{\bar{N}}(2N+270))\\ &= B_{\bar{N}}(2N+273-(N+315))+B_{\bar{N}}(2N+273-(2N+252))+B_{\bar{N}}(2N+273-(N+321))\\ &= B_{\bar{N}}(N-42)+B_{\bar{N}}(21)+B_{\bar{N}}(N-48)=(N-42)+21+(N-48)=\mathbf{2N-69}\\ &(N\geq 307)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+274)} &= B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+273))+B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+272))+B_{\bar{N}}(2N+274-B_{\bar{N}}(2N+271))\\ &= B_{\bar{N}}(2N+274-(2N-69))+B_{\bar{N}}(2N+274-(N+315))+B_{\bar{N}}(2N+274-(2N+252))\\ &= B_{\bar{N}}(343)+B_{\bar{N}}(N-41)+B_{\bar{N}}(22)=343+(N-41)+22=\mathbf{N+324}\\ &(N\geq 343)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+275)} &= B_{\bar{N}}(2N+275-B_{\bar{N}}(2N+274))+B_{\bar{N}}(2N+275-B_{\bar{N}}(2N+273))+B_{\bar{N}}(2N+275-B_{\bar{N}}(2N+272))\\ &= B_{\bar{N}}(2N+275-(N+324))+B_{\bar{N}}(2N+275-(2N-69))+B_{\bar{N}}(2N+275-(N+315))\\ &= B_{\bar{N}}(N-49)+B_{\bar{N}}(344)+B_{\bar{N}}(N-40)=(N-49)+344+(N-40)=\mathbf{2N+255}\\ &(N\geq 344)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+276)} &= B_{\bar{N}}(2N+276-B_{\bar{N}}(2N+275))+B_{\bar{N}}(2N+276-B_{\bar{N}}(2N+274))+B_{\bar{N}}(2N+276-B_{\bar{N}}(2N+273))\\ &= B_{\bar{N}}(2N+276-(2N+255))+B_{\bar{N}}(2N+276-(N+324))+B_{\bar{N}}(2N+276-(2N-69))\\ &= B_{\bar{N}}(21)+B_{\bar{N}}(N-48)+B_{\bar{N}}(345)=21+(N-48)+345=\mathbf{N+318}\\ &(N\geq 345)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+277)} &= B_{\bar{N}}(2N+277-B_{\bar{N}}(2N+276))+B_{\bar{N}}(2N+277-B_{\bar{N}}(2N+275))+B_{\bar{N}}(2N+277-B_{\bar{N}}(2N+274))\\ &= B_{\bar{N}}(2N+277-(N+318))+B_{\bar{N}}(2N+277-(2N+255))+B_{\bar{N}}(2N+277-(N+324))\\ &= B_{\bar{N}}(N-41)+B_{\bar{N}}(22)+B_{\bar{N}}(N-47)=(N-41)+22+(N-47)=\mathbf{2N-66}\\ &(N\geq 308)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+278)} &= B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+277))+B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+276))+B_{\bar{N}}(2N+278-B_{\bar{N}}(2N+275))\\ &= B_{\bar{N}}(2N+278-(2N-66))+B_{\bar{N}}(2N+278-(N+318))+B_{\bar{N}}(2N+278-(2N+255))\\ &= B_{\bar{N}}(344)+B_{\bar{N}}(N-40)+B_{\bar{N}}(23)=344+(N-40)+23=\mathbf{N+327}\\ &(N\geq 344)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+279)} &= B_{\bar{N}}(2N+279-B_{\bar{N}}(2N+278))+B_{\bar{N}}(2N+279-B_{\bar{N}}(2N+277))+B_{\bar{N}}(2N+279-B_{\bar{N}}(2N+276))\\ &= B_{\bar{N}}(2N+279-(N+327))+B_{\bar{N}}(2N+279-(2N-66))+B_{\bar{N}}(2N+279-(N+318))\\ &= B_{\bar{N}}(N-48)+B_{\bar{N}}(345)+B_{\bar{N}}(N-39)=(N-48)+345+(N-39)=\mathbf{2N+258}\\ &(N\geq 345)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+280)} &= B_{\bar{N}}(2N+280-B_{\bar{N}}(2N+279))+B_{\bar{N}}(2N+280-B_{\bar{N}}(2N+278))+B_{\bar{N}}(2N+280-B_{\bar{N}}(2N+277))\\ &= B_{\bar{N}}(2N+280-(2N+258))+B_{\bar{N}}(2N+280-(N+327))+B_{\bar{N}}(2N+280-(2N-66))\\ &= B_{\bar{N}}(22)+B_{\bar{N}}(N-47)+B_{\bar{N}}(346)=22+(N-47)+346=\mathbf{N+321}\\ &(N\geq 346)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+281)} &= B_{\bar{N}}(2N+281-B_{\bar{N}}(2N+280))+B_{\bar{N}}(2N+281-B_{\bar{N}}(2N+279))+B_{\bar{N}}(2N+281-B_{\bar{N}}(2N+278))\\ &= B_{\bar{N}}(2N+281-(N+321))+B_{\bar{N}}(2N+281-(2N+258))+B_{\bar{N}}(2N+281-(N+327))\\ &= B_{\bar{N}}(N-40)+B_{\bar{N}}(23)+B_{\bar{N}}(N-46)=(N-40)+23+(N-46)=\mathbf{2N-63}\\ &(N\geq 309)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+282)} &= B_{\bar{N}}(2N+282-B_{\bar{N}}(2N+281))+B_{\bar{N}}(2N+282-B_{\bar{N}}(2N+280))+B_{\bar{N}}(2N+282-B_{\bar{N}}(2N+279))\\ &= B_{\bar{N}}(2N+282-(2N-63))+B_{\bar{N}}(2N+282-(N+321))+B_{\bar{N}}(2N+282-(2N+258))\\ &= B_{\bar{N}}(345)+B_{\bar{N}}(N-39)+B_{\bar{N}}(24)=345+(N-39)+24=\mathbf{N+330}\\ &(N\geq 345)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+283)} &= B_{\bar{N}}(2N+283-B_{\bar{N}}(2N+282))+B_{\bar{N}}(2N+283-B_{\bar{N}}(2N+281))+B_{\bar{N}}(2N+283-B_{\bar{N}}(2N+280))\\ &= B_{\bar{N}}(2N+283-(N+330))+B_{\bar{N}}(2N+283-(2N-63))+B_{\bar{N}}(2N+283-(N+321))\\ &= B_{\bar{N}}(N-47)+B_{\bar{N}}(346)+B_{\bar{N}}(N-38)=(N-47)+346+(N-38)=\mathbf{2N+261}\\ &(N\geq 346)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+284)} &= B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+283))+B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+282))+B_{\bar{N}}(2N+284-B_{\bar{N}}(2N+281))\\ &= B_{\bar{N}}(2N+284-(2N+261))+B_{\bar{N}}(2N+284-(N+330))+B_{\bar{N}}(2N+284-(2N-63))\\ &= B_{\bar{N}}(23)+B_{\bar{N}}(N-46)+B_{\bar{N}}(347)=23+(N-46)+347=\mathbf{N+324}\\ &(N\geq 347)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+285)} &= B_{\bar{N}}(2N+285-B_{\bar{N}}(2N+284))+B_{\bar{N}}(2N+285-B_{\bar{N}}(2N+283))+B_{\bar{N}}(2N+285-B_{\bar{N}}(2N+282))\\ &= B_{\bar{N}}(2N+285-(N+324))+B_{\bar{N}}(2N+285-(2N+261))+B_{\bar{N}}(2N+285-(N+330))\\ &= B_{\bar{N}}(N-39)+B_{\bar{N}}(24)+B_{\bar{N}}(N-45)=(N-39)+24+(N-45)=\mathbf{2N-60}\\ &(N\geq 310)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+286)} &= B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+285))+B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+284))+B_{\bar{N}}(2N+286-B_{\bar{N}}(2N+283))\\ &= B_{\bar{N}}(2N+286-(2N-60))+B_{\bar{N}}(2N+286-(N+324))+B_{\bar{N}}(2N+286-(2N+261))\\ &= B_{\bar{N}}(346)+B_{\bar{N}}(N-38)+B_{\bar{N}}(25)=346+(N-38)+25=\mathbf{N+333}\\ &(N\geq 346)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+287)} &= B_{\bar{N}}(2N+287-B_{\bar{N}}(2N+286))+B_{\bar{N}}(2N+287-B_{\bar{N}}(2N+285))+B_{\bar{N}}(2N+287-B_{\bar{N}}(2N+284))\\ &= B_{\bar{N}}(2N+287-(N+333))+B_{\bar{N}}(2N+287-(2N-60))+B_{\bar{N}}(2N+287-(N+324))\\ &= B_{\bar{N}}(N-46)+B_{\bar{N}}(347)+B_{\bar{N}}(N-37)=(N-46)+347+(N-37)=\mathbf{2N+264}\\ &(N\geq 347)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+288)} &= B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+287))+B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+286))+B_{\bar{N}}(2N+288-B_{\bar{N}}(2N+285))\\ &= B_{\bar{N}}(2N+288-(2N+264))+B_{\bar{N}}(2N+288-(N+333))+B_{\bar{N}}(2N+288-(2N-60))\\ &= B_{\bar{N}}(24)+B_{\bar{N}}(N-45)+B_{\bar{N}}(348) = 24+(N-45)+348 = \mathbf{N+327}\\ &(N \geq 348)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+289)} &= B_{\bar{N}}(2N+289-B_{\bar{N}}(2N+288))+B_{\bar{N}}(2N+289-B_{\bar{N}}(2N+287))+B_{\bar{N}}(2N+289-B_{\bar{N}}(2N+286))\\ &= B_{\bar{N}}(2N+289-(N+327))+B_{\bar{N}}(2N+289-(2N+264))+B_{\bar{N}}(2N+289-(N+333))\\ &= B_{\bar{N}}(N-38)+B_{\bar{N}}(25)+B_{\bar{N}}(N-44) = (N-38)+25+(N-44) = \mathbf{2N-57}\\ &(N \geq 311)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+290)} &= B_{\bar{N}}(2N+290-B_{\bar{N}}(2N+289))+B_{\bar{N}}(2N+290-B_{\bar{N}}(2N+288))+B_{\bar{N}}(2N+290-B_{\bar{N}}(2N+287))\\ &= B_{\bar{N}}(2N+290-(2N-57))+B_{\bar{N}}(2N+290-(N+327))+B_{\bar{N}}(2N+290-(2N+264))\\ &= B_{\bar{N}}(347)+B_{\bar{N}}(N-37)+B_{\bar{N}}(26) = 347+(N-37)+26 = \mathbf{N+336}\\ &(N \geq 347)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+291)} &= B_{\bar{N}}(2N+291-B_{\bar{N}}(2N+290))+B_{\bar{N}}(2N+291-B_{\bar{N}}(2N+289))+B_{\bar{N}}(2N+291-B_{\bar{N}}(2N+288))\\ &= B_{\bar{N}}(2N+291-(N+336))+B_{\bar{N}}(2N+291-(2N-57))+B_{\bar{N}}(2N+291-(N+327))\\ &= B_{\bar{N}}(N-45)+B_{\bar{N}}(348)+B_{\bar{N}}(N-36) = (N-45)+348+(N-36) = \mathbf{2N+267}\\ &(N \geq 348)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+292)} &= B_{\bar{N}}(2N+292-B_{\bar{N}}(2N+291))+B_{\bar{N}}(2N+292-B_{\bar{N}}(2N+290))+B_{\bar{N}}(2N+292-B_{\bar{N}}(2N+289))\\ &= B_{\bar{N}}(2N+292-(2N+267))+B_{\bar{N}}(2N+292-(N+336))+B_{\bar{N}}(2N+292-(2N-57))\\ &= B_{\bar{N}}(25)+B_{\bar{N}}(N-44)+B_{\bar{N}}(349) = 25+(N-44)+349 = \mathbf{N+330}\\ &(N \geq 349)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+293)} &= B_{\bar{N}}(2N+293-B_{\bar{N}}(2N+292))+B_{\bar{N}}(2N+293-B_{\bar{N}}(2N+291))+B_{\bar{N}}(2N+293-B_{\bar{N}}(2N+290))\\ &= B_{\bar{N}}(2N+293-(N+330))+B_{\bar{N}}(2N+293-(2N+267))+B_{\bar{N}}(2N+293-(N+336))\\ &= B_{\bar{N}}(N-37)+B_{\bar{N}}(26)+B_{\bar{N}}(N-43)=(N-37)+26+(N-43)=\mathbf{2N-54}\\ &(N\geq 312)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+294)} &= B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+293))+B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+292))+B_{\bar{N}}(2N+294-B_{\bar{N}}(2N+291))\\ &= B_{\bar{N}}(2N+294-(2N-54))+B_{\bar{N}}(2N+294-(N+330))+B_{\bar{N}}(2N+294-(2N+267))\\ &= B_{\bar{N}}(348)+B_{\bar{N}}(N-36)+B_{\bar{N}}(27)=348+(N-36)+27=\mathbf{N+339}\\ &(N\geq 348)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+295)} &= B_{\bar{N}}(2N+295-B_{\bar{N}}(2N+294))+B_{\bar{N}}(2N+295-B_{\bar{N}}(2N+293))+B_{\bar{N}}(2N+295-B_{\bar{N}}(2N+292))\\ &= B_{\bar{N}}(2N+295-(N+339))+B_{\bar{N}}(2N+295-(2N-54))+B_{\bar{N}}(2N+295-(N+330))\\ &= B_{\bar{N}}(N-44)+B_{\bar{N}}(349)+B_{\bar{N}}(N-35)=(N-44)+349+(N-35)=\mathbf{2N+270}\\ &(N\geq 349)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+296)} &= B_{\bar{N}}(2N+296-B_{\bar{N}}(2N+295))+B_{\bar{N}}(2N+296-B_{\bar{N}}(2N+294))+B_{\bar{N}}(2N+296-B_{\bar{N}}(2N+293))\\ &= B_{\bar{N}}(2N+296-(2N+270))+B_{\bar{N}}(2N+296-(N+339))+B_{\bar{N}}(2N+296-(2N-54))\\ &= B_{\bar{N}}(26)+B_{\bar{N}}(N-43)+B_{\bar{N}}(350)=26+(N-43)+350=\mathbf{N+333}\\ &(N\geq 350)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+297)} &= B_{\bar{N}}(2N+297-B_{\bar{N}}(2N+296))+B_{\bar{N}}(2N+297-B_{\bar{N}}(2N+295))+B_{\bar{N}}(2N+297-B_{\bar{N}}(2N+294))\\ &= B_{\bar{N}}(2N+297-(N+333))+B_{\bar{N}}(2N+297-(2N+270))+B_{\bar{N}}(2N+297-(N+339))\\ &= B_{\bar{N}}(N-36)+B_{\bar{N}}(27)+B_{\bar{N}}(N-42)=(N-36)+27+(N-42)=\mathbf{2N-51}\\ &(N\geq 313)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+298)} &= B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+297))+B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+296))+B_{\bar{N}}(2N+298-B_{\bar{N}}(2N+295))\\ &= B_{\bar{N}}(2N+298-(2N-51))+B_{\bar{N}}(2N+298-(N+333))+B_{\bar{N}}(2N+298-(2N+270))\\ &= B_{\bar{N}}(349)+B_{\bar{N}}(N-35)+B_{\bar{N}}(28)=349+(N-35)+28=\mathbf{N+342}\\ &(N\geq 349)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+299)} &= B_{\bar{N}}(2N+299-B_{\bar{N}}(2N+298))+B_{\bar{N}}(2N+299-B_{\bar{N}}(2N+297))+B_{\bar{N}}(2N+299-B_{\bar{N}}(2N+296))\\ &= B_{\bar{N}}(2N+299-(N+342))+B_{\bar{N}}(2N+299-(2N-51))+B_{\bar{N}}(2N+299-(N+333))\\ &= B_{\bar{N}}(N-43)+B_{\bar{N}}(350)+B_{\bar{N}}(N-34)=(N-43)+350+(N-34)=\mathbf{2N+273}\\ &(N\geq 350)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+300)} &= B_{\bar{N}}(2N+300-B_{\bar{N}}(2N+299))+B_{\bar{N}}(2N+300-B_{\bar{N}}(2N+298))+B_{\bar{N}}(2N+300-B_{\bar{N}}(2N+297))\\ &= B_{\bar{N}}(2N+300-(2N+273))+B_{\bar{N}}(2N+300-(N+342))+B_{\bar{N}}(2N+300-(2N-51))\\ &= B_{\bar{N}}(27)+B_{\bar{N}}(N-42)+B_{\bar{N}}(351)=27+(N-42)+351=\mathbf{N+336}\\ &(N\geq 351)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+301)} &= B_{\bar{N}}(2N+301-B_{\bar{N}}(2N+300))+B_{\bar{N}}(2N+301-B_{\bar{N}}(2N+299))+B_{\bar{N}}(2N+301-B_{\bar{N}}(2N+298))\\ &= B_{\bar{N}}(2N+301-(N+336))+B_{\bar{N}}(2N+301-(2N+273))+B_{\bar{N}}(2N+301-(N+342))\\ &= B_{\bar{N}}(N-35)+B_{\bar{N}}(28)+B_{\bar{N}}(N-41)=(N-35)+28+(N-41)=\mathbf{2N-48}\\ &(N\geq 314)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+302)} &= B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+301))+B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+300))+B_{\bar{N}}(2N+302-B_{\bar{N}}(2N+299))\\ &= B_{\bar{N}}(2N+302-(2N-48))+B_{\bar{N}}(2N+302-(N+336))+B_{\bar{N}}(2N+302-(2N+273))\\ &= B_{\bar{N}}(350)+B_{\bar{N}}(N-34)+B_{\bar{N}}(29)=350+(N-34)+29=\mathbf{N+345}\\ &(N\geq 350)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+303)} &= B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+302))+B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+301))+B_{\bar{N}}(2N+303-B_{\bar{N}}(2N+300))\\ &= B_{\bar{N}}(2N+303-(N+345))+B_{\bar{N}}(2N+303-(2N-48))+B_{\bar{N}}(2N+303-(N+336))\\ &= B_{\bar{N}}(N-42)+B_{\bar{N}}(351)+B_{\bar{N}}(N-33)=(N-42)+351+(N-33)=\mathbf{2N+276}\\ &(N\geq 351)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+304)} &= B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+303))+B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+302))+B_{\bar{N}}(2N+304-B_{\bar{N}}(2N+301))\\ &= B_{\bar{N}}(2N+304-(2N+276))+B_{\bar{N}}(2N+304-(N+345))+B_{\bar{N}}(2N+304-(2N-48))\\ &= B_{\bar{N}}(28)+B_{\bar{N}}(N-41)+B_{\bar{N}}(352)=28+(N-41)+352=\mathbf{N+339}\\ &(N\geq 352)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+305)} &= B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+304))+B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+303))+B_{\bar{N}}(2N+305-B_{\bar{N}}(2N+302))\\ &= B_{\bar{N}}(2N+305-(N+339))+B_{\bar{N}}(2N+305-(2N+276))+B_{\bar{N}}(2N+305-(N+345))\\ &= B_{\bar{N}}(N-34)+B_{\bar{N}}(29)+B_{\bar{N}}(N-40)=(N-34)+29+(N-40)=\mathbf{2N-45}\\ &(N\geq 315)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+306)} &= B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+305))+B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+304))+B_{\bar{N}}(2N+306-B_{\bar{N}}(2N+303))\\ &= B_{\bar{N}}(2N+306-(2N-45))+B_{\bar{N}}(2N+306-(N+339))+B_{\bar{N}}(2N+306-(2N+276))\\ &= B_{\bar{N}}(351)+B_{\bar{N}}(N-33)+B_{\bar{N}}(30)=351+(N-33)+30=\mathbf{N+348}\\ &(N\geq 351)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+307)} &= B_{\bar{N}}(2N+307-B_{\bar{N}}(2N+306))+B_{\bar{N}}(2N+307-B_{\bar{N}}(2N+305))+B_{\bar{N}}(2N+307-B_{\bar{N}}(2N+304))\\ &= B_{\bar{N}}(2N+307-(N+348))+B_{\bar{N}}(2N+307-(2N-45))+B_{\bar{N}}(2N+307-(N+339))\\ &= B_{\bar{N}}(N-41)+B_{\bar{N}}(352)+B_{\bar{N}}(N-32)=(N-41)+352+(N-32)=\mathbf{2N+279}\\ &(N\geq 352)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+308)} &= B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+307))+B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+306))+B_{\bar{N}}(2N+308-B_{\bar{N}}(2N+305))\\ &= B_{\bar{N}}(2N+308-(2N+279))+B_{\bar{N}}(2N+308-(N+348))+B_{\bar{N}}(2N+308-(2N-45))\\ &= B_{\bar{N}}(29)+B_{\bar{N}}(N-40)+B_{\bar{N}}(353)=29+(N-40)+353=\mathbf{N+342}\\ &(N\geq 353)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+309)} &= B_{\bar{N}}(2N+309-B_{\bar{N}}(2N+308))+B_{\bar{N}}(2N+309-B_{\bar{N}}(2N+307))+B_{\bar{N}}(2N+309-B_{\bar{N}}(2N+306))\\ &= B_{\bar{N}}(2N+309-(N+342))+B_{\bar{N}}(2N+309-(2N+279))+B_{\bar{N}}(2N+309-(N+348))\\ &= B_{\bar{N}}(N-33)+B_{\bar{N}}(30)+B_{\bar{N}}(N-39)=(N-33)+30+(N-39)=\mathbf{2N-42}\\ &(N\geq 316)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+310)} &= B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+309))+B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+308))+B_{\bar{N}}(2N+310-B_{\bar{N}}(2N+307))\\ &= B_{\bar{N}}(2N+310-(2N-42))+B_{\bar{N}}(2N+310-(N+342))+B_{\bar{N}}(2N+310-(2N+279))\\ &= B_{\bar{N}}(352)+B_{\bar{N}}(N-32)+B_{\bar{N}}(31)=352+(N-32)+31=\mathbf{N+351}\\ &(N\geq 352)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+311)} &= B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+310))+B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+309))+B_{\bar{N}}(2N+311-B_{\bar{N}}(2N+308))\\ &= B_{\bar{N}}(2N+311-(N+351))+B_{\bar{N}}(2N+311-(2N-42))+B_{\bar{N}}(2N+311-(N+342))\\ &= B_{\bar{N}}(N-40)+B_{\bar{N}}(353)+B_{\bar{N}}(N-31)=(N-40)+353+(N-31)=\mathbf{2N+282}\\ &(N\geq 353)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+312)} &= B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+311))+B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+310))+B_{\bar{N}}(2N+312-B_{\bar{N}}(2N+309))\\ &= B_{\bar{N}}(2N+312-(2N+282))+B_{\bar{N}}(2N+312-(N+351))+B_{\bar{N}}(2N+312-(2N-42))\\ &= B_{\bar{N}}(30)+B_{\bar{N}}(N-39)+B_{\bar{N}}(354)=30+(N-39)+354=\mathbf{N+345}\\ &(N\geq 354)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+313)} &= B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+312))+B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+311))+B_{\bar{N}}(2N+313-B_{\bar{N}}(2N+310))\\ &= B_{\bar{N}}(2N+313-(N+345))+B_{\bar{N}}(2N+313-(2N+282))+B_{\bar{N}}(2N+313-(N+351))\\ &= B_{\bar{N}}(N-32)+B_{\bar{N}}(31)+B_{\bar{N}}(N-38)=(N-32)+31+(N-38)=\mathbf{2N-39}\\ &(N\geq 317)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+314)} &= B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+313))+B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+312))+B_{\bar{N}}(2N+314-B_{\bar{N}}(2N+311))\\ &= B_{\bar{N}}(2N+314-(2N-39))+B_{\bar{N}}(2N+314-(N+345))+B_{\bar{N}}(2N+314-(2N+282))\\ &= B_{\bar{N}}(353)+B_{\bar{N}}(N-31)+B_{\bar{N}}(32)=353+(N-31)+32=\mathbf{N+354}\\ &(N\geq 353)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+315)} &= B_{\bar{N}}(2N+315-B_{\bar{N}}(2N+314))+B_{\bar{N}}(2N+315-B_{\bar{N}}(2N+313))+B_{\bar{N}}(2N+315-B_{\bar{N}}(2N+312))\\ &= B_{\bar{N}}(2N+315-(N+354))+B_{\bar{N}}(2N+315-(2N-39))+B_{\bar{N}}(2N+315-(N+345))\\ &= B_{\bar{N}}(N-39)+B_{\bar{N}}(354)+B_{\bar{N}}(N-30)=(N-39)+354+(N-30)=\mathbf{2N+285}\\ &(N\geq 354)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+316)} &= B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+315))+B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+314))+B_{\bar{N}}(2N+316-B_{\bar{N}}(2N+313))\\ &= B_{\bar{N}}(2N+316-(2N+285))+B_{\bar{N}}(2N+316-(N+354))+B_{\bar{N}}(2N+316-(2N-39))\\ &= B_{\bar{N}}(31)+B_{\bar{N}}(N-38)+B_{\bar{N}}(355)=31+(N-38)+355=\mathbf{N+348}\\ &(N\geq 355)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+317)} &= B_{\bar{N}}(2N+317-B_{\bar{N}}(2N+316))+B_{\bar{N}}(2N+317-B_{\bar{N}}(2N+315))+B_{\bar{N}}(2N+317-B_{\bar{N}}(2N+314))\\ &= B_{\bar{N}}(2N+317-(N+348))+B_{\bar{N}}(2N+317-(2N+285))+B_{\bar{N}}(2N+317-(N+354))\\ &= B_{\bar{N}}(N-31)+B_{\bar{N}}(32)+B_{\bar{N}}(N-37)=(N-31)+32+(N-37)=\mathbf{2N-36}\\ &(N\geq 318)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+318)} &= B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+317))+B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+316))+B_{\bar{N}}(2N+318-B_{\bar{N}}(2N+315))\\ &= B_{\bar{N}}(2N+318-(2N-36))+B_{\bar{N}}(2N+318-(N+348))+B_{\bar{N}}(2N+318-(2N+285))\\ &= B_{\bar{N}}(354)+B_{\bar{N}}(N-30)+B_{\bar{N}}(33)=354+(N-30)+33=\mathbf{N+357}\\ &(N\geq 354)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+319)} &= B_{\bar{N}}(2N+319-B_{\bar{N}}(2N+318))+B_{\bar{N}}(2N+319-B_{\bar{N}}(2N+317))+B_{\bar{N}}(2N+319-B_{\bar{N}}(2N+316))\\ &= B_{\bar{N}}(2N+319-(N+357))+B_{\bar{N}}(2N+319-(2N-36))+B_{\bar{N}}(2N+319-(N+348))\\ &= B_{\bar{N}}(N-38)+B_{\bar{N}}(355)+B_{\bar{N}}(N-29)=(N-38)+355+(N-29)=\mathbf{2N+288}\\ &(N\geq 355)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+320)} &= B_{\bar{N}}(2N+320-B_{\bar{N}}(2N+319))+B_{\bar{N}}(2N+320-B_{\bar{N}}(2N+318))+B_{\bar{N}}(2N+320-B_{\bar{N}}(2N+317))\\ &= B_{\bar{N}}(2N+320-(2N+288))+B_{\bar{N}}(2N+320-(N+357))+B_{\bar{N}}(2N+320-(2N-36))\\ &= B_{\bar{N}}(32)+B_{\bar{N}}(N-37)+B_{\bar{N}}(356)=32+(N-37)+356=\mathbf{N+351}\\ &(N\geq 356)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+321)} &= B_{\bar{N}}(2N+321-B_{\bar{N}}(2N+320))+B_{\bar{N}}(2N+321-B_{\bar{N}}(2N+319))+B_{\bar{N}}(2N+321-B_{\bar{N}}(2N+318))\\ &= B_{\bar{N}}(2N+321-(N+351))+B_{\bar{N}}(2N+321-(2N+288))+B_{\bar{N}}(2N+321-(N+357))\\ &= B_{\bar{N}}(N-30)+B_{\bar{N}}(33)+B_{\bar{N}}(N-36)=(N-30)+33+(N-36)=\mathbf{2N-33}\\ &(N\geq 319)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+322)} &= B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+321))+B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+320))+B_{\bar{N}}(2N+322-B_{\bar{N}}(2N+319))\\ &= B_{\bar{N}}(2N+322-(2N-33))+B_{\bar{N}}(2N+322-(N+351))+B_{\bar{N}}(2N+322-(2N+288))\\ &= B_{\bar{N}}(355)+B_{\bar{N}}(N-29)+B_{\bar{N}}(34)=355+(N-29)+34=\mathbf{N+360}\\ &(N\geq 355)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+323)} &= B_{\bar{N}}(2N+323-B_{\bar{N}}(2N+322))+B_{\bar{N}}(2N+323-B_{\bar{N}}(2N+321))+B_{\bar{N}}(2N+323-B_{\bar{N}}(2N+320))\\ &= B_{\bar{N}}(2N+323-(N+360))+B_{\bar{N}}(2N+323-(2N-33))+B_{\bar{N}}(2N+323-(N+351))\\ &= B_{\bar{N}}(N-37)+B_{\bar{N}}(356)+B_{\bar{N}}(N-28)=(N-37)+356+(N-28)=\mathbf{2N+291}\\ &(N\geq 356)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+324)} &= B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+323))+B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+322))+B_{\bar{N}}(2N+324-B_{\bar{N}}(2N+321))\\ &= B_{\bar{N}}(2N+324-(2N+291))+B_{\bar{N}}(2N+324-(N+360))+B_{\bar{N}}(2N+324-(2N-33))\\ &= B_{\bar{N}}(33)+B_{\bar{N}}(N-36)+B_{\bar{N}}(357)=33+(N-36)+357=\mathbf{N+354}\\ &(N\geq 357)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+325)} &= B_{\bar{N}}(2N+325-B_{\bar{N}}(2N+324))+B_{\bar{N}}(2N+325-B_{\bar{N}}(2N+323))+B_{\bar{N}}(2N+325-B_{\bar{N}}(2N+322))\\ &= B_{\bar{N}}(2N+325-(N+354))+B_{\bar{N}}(2N+325-(2N+291))+B_{\bar{N}}(2N+325-(N+360))\\ &= B_{\bar{N}}(N-29)+B_{\bar{N}}(34)+B_{\bar{N}}(N-35)=(N-29)+34+(N-35)=\mathbf{2N-30}\\ &(N\geq 320)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+326)} &= B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+325))+B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+324))+B_{\bar{N}}(2N+326-B_{\bar{N}}(2N+323))\\ &= B_{\bar{N}}(2N+326-(2N-30))+B_{\bar{N}}(2N+326-(N+354))+B_{\bar{N}}(2N+326-(2N+291))\\ &= B_{\bar{N}}(356)+B_{\bar{N}}(N-28)+B_{\bar{N}}(35)=356+(N-28)+35=\mathbf{N+363}\\ &(N\geq 356)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+327)} &= B_{\bar{N}}(2N+327-B_{\bar{N}}(2N+326))+B_{\bar{N}}(2N+327-B_{\bar{N}}(2N+325))+B_{\bar{N}}(2N+327-B_{\bar{N}}(2N+324))\\ &= B_{\bar{N}}(2N+327-(N+363))+B_{\bar{N}}(2N+327-(2N-30))+B_{\bar{N}}(2N+327-(N+354))\\ &= B_{\bar{N}}(N-36)+B_{\bar{N}}(357)+B_{\bar{N}}(N-27)=(N-36)+357+(N-27)=\mathbf{2N+294}\\ &(N\geq 357)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+328)} &= B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+327))+B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+326))+B_{\bar{N}}(2N+328-B_{\bar{N}}(2N+325))\\ &= B_{\bar{N}}(2N+328-(2N+294))+B_{\bar{N}}(2N+328-(N+363))+B_{\bar{N}}(2N+328-(2N-30))\\ &= B_{\bar{N}}(34)+B_{\bar{N}}(N-35)+B_{\bar{N}}(358)=34+(N-35)+358=\mathbf{N+357}\\ &(N\geq 358)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+329)} &= B_{\bar{N}}(2N+329-B_{\bar{N}}(2N+328))+B_{\bar{N}}(2N+329-B_{\bar{N}}(2N+327))+B_{\bar{N}}(2N+329-B_{\bar{N}}(2N+326))\\ &= B_{\bar{N}}(2N+329-(N+357))+B_{\bar{N}}(2N+329-(2N+294))+B_{\bar{N}}(2N+329-(N+363))\\ &= B_{\bar{N}}(N-28)+B_{\bar{N}}(35)+B_{\bar{N}}(N-34)=(N-28)+35+(N-34)=\mathbf{2N-27}\\ &(N\geq 321)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+330)} &= B_{\bar{N}}(2N+330-B_{\bar{N}}(2N+329))+B_{\bar{N}}(2N+330-B_{\bar{N}}(2N+328))+B_{\bar{N}}(2N+330-B_{\bar{N}}(2N+327))\\ &= B_{\bar{N}}(2N+330-(2N-27))+B_{\bar{N}}(2N+330-(N+357))+B_{\bar{N}}(2N+330-(2N+294))\\ &= B_{\bar{N}}(357)+B_{\bar{N}}(N-27)+B_{\bar{N}}(36)=357+(N-27)+36=\mathbf{N+366}\\ &(N\geq 357)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+331)} &= B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+330))+B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+329))+B_{\bar{N}}(2N+331-B_{\bar{N}}(2N+328))\\ &= B_{\bar{N}}(2N+331-(N+366))+B_{\bar{N}}(2N+331-(2N-27))+B_{\bar{N}}(2N+331-(N+357))\\ &= B_{\bar{N}}(N-35)+B_{\bar{N}}(358)+B_{\bar{N}}(N-26)=(N-35)+358+(N-26)=\mathbf{2N+297}\\ &(N\geq 361)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+332)} &= B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+331))+B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+330))+B_{\bar{N}}(2N+332-B_{\bar{N}}(2N+329))\\ &= B_{\bar{N}}(2N+332-(2N+297))+B_{\bar{N}}(2N+332-(N+366))+B_{\bar{N}}(2N+332-(2N-27))\\ &= B_{\bar{N}}(35)+B_{\bar{N}}(N-34)+B_{\bar{N}}(359)=35+(N-34)+359=\mathbf{N+360}\\ &(N\geq 362)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+333)} &= B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+332))+B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+331))+B_{\bar{N}}(2N+333-B_{\bar{N}}(2N+330))\\ &= B_{\bar{N}}(2N+333-(N+360))+B_{\bar{N}}(2N+333-(2N+297))+B_{\bar{N}}(2N+333-(N+366))\\ &= B_{\bar{N}}(N-27)+B_{\bar{N}}(36)+B_{\bar{N}}(N-33)=(N-27)+36+(N-33)=\mathbf{2N-24}\\ &(N\geq 363)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+334)} &= B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+333))+B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+332))+B_{\bar{N}}(2N+334-B_{\bar{N}}(2N+331))\\ &= B_{\bar{N}}(2N+334-(2N-24))+B_{\bar{N}}(2N+334-(N+360))+B_{\bar{N}}(2N+334-(2N+297))\\ &= B_{\bar{N}}(358)+B_{\bar{N}}(N-26)+B_{\bar{N}}(37)=358+(N-26)+37=\mathbf{N+369}\\ &(N\geq 358)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+335)} &= B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+334))+B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+333))+B_{\bar{N}}(2N+335-B_{\bar{N}}(2N+332))\\ &= B_{\bar{N}}(2N+335-(N+369))+B_{\bar{N}}(2N+335-(2N-24))+B_{\bar{N}}(2N+335-(N+360))\\ &= B_{\bar{N}}(N-34)+B_{\bar{N}}(359)+B_{\bar{N}}(N-25)=(N-34)+359+(N-25)=\mathbf{2N+300}\\ &(N\geq 363)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+336)} &= B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+335))+B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+334))+B_{\bar{N}}(2N+336-B_{\bar{N}}(2N+333))\\ &= B_{\bar{N}}(2N+336-(2N+300))+B_{\bar{N}}(2N+336-(N+369))+B_{\bar{N}}(2N+336-(2N-24))\\ &= B_{\bar{N}}(36)+B_{\bar{N}}(N-33)+B_{\bar{N}}(360)=36+(N-33)+360=\mathbf{N+363}\\ &(N\geq 364)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+337)} &= B_{\bar{N}}(2N+337-B_{\bar{N}}(2N+336))+B_{\bar{N}}(2N+337-B_{\bar{N}}(2N+335))+B_{\bar{N}}(2N+337-B_{\bar{N}}(2N+334))\\ &= B_{\bar{N}}(2N+337-(N+363))+B_{\bar{N}}(2N+337-(2N+300))+B_{\bar{N}}(2N+337-(N+369))\\ &= B_{\bar{N}}(N-26)+B_{\bar{N}}(37)+B_{\bar{N}}(N-32)=(N-26)+37+(N-32)=\mathbf{2N-21}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+338)} &= B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+337))+B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+336))+B_{\bar{N}}(2N+338-B_{\bar{N}}(2N+335))\\ &= B_{\bar{N}}(2N+338-(2N-21))+B_{\bar{N}}(2N+338-(N+363))+B_{\bar{N}}(2N+338-(2N+300))\\ &= B_{\bar{N}}(359)+B_{\bar{N}}(N-25)+B_{\bar{N}}(38)=359+(N-25)+38=\mathbf{N+372}\\ &(N\geq 359)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+339)} &= B_{\bar{N}}(2N+339-B_{\bar{N}}(2N+338))+B_{\bar{N}}(2N+339-B_{\bar{N}}(2N+337))+B_{\bar{N}}(2N+339-B_{\bar{N}}(2N+336))\\ &= B_{\bar{N}}(2N+339-(N+372))+B_{\bar{N}}(2N+339-(2N-21))+B_{\bar{N}}(2N+339-(N+363))\\ &= B_{\bar{N}}(N-33)+B_{\bar{N}}(360)+B_{\bar{N}}(N-24)=(N-33)+360+(N-24)=\mathbf{2N+303}\\ &(N\geq 364)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+340)} &= B_{\bar{N}}(2N+340-B_{\bar{N}}(2N+339))+B_{\bar{N}}(2N+340-B_{\bar{N}}(2N+338))+B_{\bar{N}}(2N+340-B_{\bar{N}}(2N+337))\\ &= B_{\bar{N}}(2N+340-(2N+303))+B_{\bar{N}}(2N+340-(N+372))+B_{\bar{N}}(2N+340-(2N-21))\\ &= B_{\bar{N}}(37)+B_{\bar{N}}(N-32)+B_{\bar{N}}(361)=37+(N-32)+361=\mathbf{N+366}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+341)} &= B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+340))+B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+339))+B_{\bar{N}}(2N+341-B_{\bar{N}}(2N+338))\\ &= B_{\bar{N}}(2N+341-(N+366))+B_{\bar{N}}(2N+341-(2N+303))+B_{\bar{N}}(2N+341-(N+372))\\ &= B_{\bar{N}}(N-25)+B_{\bar{N}}(38)+B_{\bar{N}}(N-31)=(N-25)+38+(N-31)=\mathbf{2N-18}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+342)} &= B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+341))+B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+340))+B_{\bar{N}}(2N+342-B_{\bar{N}}(2N+339))\\ &= B_{\bar{N}}(2N+342-(2N-18))+B_{\bar{N}}(2N+342-(N+366))+B_{\bar{N}}(2N+342-(2N+303))\\ &= B_{\bar{N}}(360)+B_{\bar{N}}(N-24)+B_{\bar{N}}(39)=360+(N-24)+39=\mathbf{N+375}\\ &(N\geq 360)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+343)} &= B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+342))+B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+341))+B_{\bar{N}}(2N+343-B_{\bar{N}}(2N+340))\\ &= B_{\bar{N}}(2N+343-(N+375))+B_{\bar{N}}(2N+343-(2N-18))+B_{\bar{N}}(2N+343-(N+366))\\ &= B_{\bar{N}}(N-32)+B_{\bar{N}}(361)+B_{\bar{N}}(N-23)=(N-32)+361+(N-23)=\mathbf{2N+306}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+344)} &= B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+343))+B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+342))+B_{\bar{N}}(2N+344-B_{\bar{N}}(2N+341))\\ &= B_{\bar{N}}(2N+344-(2N+306))+B_{\bar{N}}(2N+344-(N+375))+B_{\bar{N}}(2N+344-(2N-18))\\ &= B_{\bar{N}}(38)+B_{\bar{N}}(N-31)+B_{\bar{N}}(362)=38+(N-31)+362=\mathbf{N+369}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+345)} &= B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+344))+B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+343))+B_{\bar{N}}(2N+345-B_{\bar{N}}(2N+342))\\ &= B_{\bar{N}}(2N+345-(N+369))+B_{\bar{N}}(2N+345-(2N+306))+B_{\bar{N}}(2N+345-(N+375))\\ &= B_{\bar{N}}(N-24)+B_{\bar{N}}(39)+B_{\bar{N}}(N-30)=(N-24)+39+(N-30)=\mathbf{2N-15}\\ &(N\geq 367)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+346)} &= B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+345))+B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+344))+B_{\bar{N}}(2N+346-B_{\bar{N}}(2N+343))\\ &= B_{\bar{N}}(2N+346-(2N-15))+B_{\bar{N}}(2N+346-(N+369))+B_{\bar{N}}(2N+346-(2N+306))\\ &= B_{\bar{N}}(361)+B_{\bar{N}}(N-23)+B_{\bar{N}}(40)=361+(N-23)+40=\mathbf{N+378}\\ &(N\geq 361)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+347)} &= B_{\bar{N}}(2N+347-B_{\bar{N}}(2N+346))+B_{\bar{N}}(2N+347-B_{\bar{N}}(2N+345))+B_{\bar{N}}(2N+347-B_{\bar{N}}(2N+344))\\ &= B_{\bar{N}}(2N+347-(N+378))+B_{\bar{N}}(2N+347-(2N-15))+B_{\bar{N}}(2N+347-(N+369))\\ &= B_{\bar{N}}(N-31)+B_{\bar{N}}(362)+B_{\bar{N}}(N-22)=(N-31)+362+(N-22)=\mathbf{2N+309}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+348)} &= B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+347))+B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+346))+B_{\bar{N}}(2N+348-B_{\bar{N}}(2N+345))\\ &= B_{\bar{N}}(2N+348-(2N+309))+B_{\bar{N}}(2N+348-(N+378))+B_{\bar{N}}(2N+348-(2N-15))\\ &= B_{\bar{N}}(39)+B_{\bar{N}}(N-30)+B_{\bar{N}}(363)=39+(N-30)+363=\mathbf{N+372}\\ &(N\geq 367)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+349)} &= B_{\bar{N}}(2N+349-B_{\bar{N}}(2N+348))+B_{\bar{N}}(2N+349-B_{\bar{N}}(2N+347))+B_{\bar{N}}(2N+349-B_{\bar{N}}(2N+346))\\ &= B_{\bar{N}}(2N+349-(N+372))+B_{\bar{N}}(2N+349-(2N+309))+B_{\bar{N}}(2N+349-(N+378))\\ &= B_{\bar{N}}(N-23)+B_{\bar{N}}(40)+B_{\bar{N}}(N-29)=(N-23)+40+(N-29)=\mathbf{2N-12}\\ &(N\geq 368)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+350)} &= B_{\bar{N}}(2N+350-B_{\bar{N}}(2N+349))+B_{\bar{N}}(2N+350-B_{\bar{N}}(2N+348))+B_{\bar{N}}(2N+350-B_{\bar{N}}(2N+347))\\ &= B_{\bar{N}}(2N+350-(2N-12))+B_{\bar{N}}(2N+350-(N+372))+B_{\bar{N}}(2N+350-(2N+309))\\ &= B_{\bar{N}}(362)+B_{\bar{N}}(N-22)+B_{\bar{N}}(41)=362+(N-22)+41=\mathbf{N+381}\\ &(N\geq 362)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+351)} &= B_{\bar{N}}(2N+351-B_{\bar{N}}(2N+350))+B_{\bar{N}}(2N+351-B_{\bar{N}}(2N+349))+B_{\bar{N}}(2N+351-B_{\bar{N}}(2N+348))\\ &= B_{\bar{N}}(2N+351-(N+381))+B_{\bar{N}}(2N+351-(2N-12))+B_{\bar{N}}(2N+351-(N+372))\\ &= B_{\bar{N}}(N-30)+B_{\bar{N}}(363)+B_{\bar{N}}(N-21)=(N-30)+363+(N-21)=\mathbf{2N+312}\\ &(N\geq 367)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+352)} &= B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+351))+B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+350))+B_{\bar{N}}(2N+352-B_{\bar{N}}(2N+349))\\ &= B_{\bar{N}}(2N+352-(2N+312))+B_{\bar{N}}(2N+352-(N+381))+B_{\bar{N}}(2N+352-(2N-12))\\ &= B_{\bar{N}}(40)+B_{\bar{N}}(N-29)+B_{\bar{N}}(364)=40+(N-29)+364=\mathbf{N+375}\\ &(N\geq 368)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+353)} &= B_{\bar{N}}(2N+353-B_{\bar{N}}(2N+352))+B_{\bar{N}}(2N+353-B_{\bar{N}}(2N+351))+B_{\bar{N}}(2N+353-B_{\bar{N}}(2N+350))\\ &= B_{\bar{N}}(2N+353-(N+375))+B_{\bar{N}}(2N+353-(2N+312))+B_{\bar{N}}(2N+353-(N+381))\\ &= B_{\bar{N}}(N-22)+B_{\bar{N}}(41)+B_{\bar{N}}(N-28)=(N-22)+41+(N-28)=\mathbf{2N-9}\\ &(N\geq 369)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+354)} &= B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+353))+B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+352))+B_{\bar{N}}(2N+354-B_{\bar{N}}(2N+351))\\ &= B_{\bar{N}}(2N+354-(2N-9))+B_{\bar{N}}(2N+354-(N+375))+B_{\bar{N}}(2N+354-(2N+312))\\ &= B_{\bar{N}}(363)+B_{\bar{N}}(N-21)+B_{\bar{N}}(42)=363+(N-21)+42=\mathbf{N+384}\\ &(N\geq 363)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+355)} &= B_{\bar{N}}(2N+355-B_{\bar{N}}(2N+354))+B_{\bar{N}}(2N+355-B_{\bar{N}}(2N+353))+B_{\bar{N}}(2N+355-B_{\bar{N}}(2N+352))\\ &= B_{\bar{N}}(2N+355-(N+384))+B_{\bar{N}}(2N+355-(2N-9))+B_{\bar{N}}(2N+355-(N+375))\\ &= B_{\bar{N}}(N-29)+B_{\bar{N}}(364)+B_{\bar{N}}(N-20)=(N-29)+364+(N-20)=\mathbf{2N+315}\\ &(N\geq 368)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+356)} &= B_{\bar{N}}(2N+356-B_{\bar{N}}(2N+355))+B_{\bar{N}}(2N+356-B_{\bar{N}}(2N+354))+B_{\bar{N}}(2N+356-B_{\bar{N}}(2N+353))\\ &= B_{\bar{N}}(2N+356-(2N+315))+B_{\bar{N}}(2N+356-(N+384))+B_{\bar{N}}(2N+356-(2N-9))\\ &= B_{\bar{N}}(41)+B_{\bar{N}}(N-28)+B_{\bar{N}}(365)=41+(N-28)+365=\mathbf{N+378}\\ &(N\geq 369)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+357)} &= B_{\bar{N}}(2N+357-B_{\bar{N}}(2N+356))+B_{\bar{N}}(2N+357-B_{\bar{N}}(2N+355))+B_{\bar{N}}(2N+357-B_{\bar{N}}(2N+354))\\ &= B_{\bar{N}}(2N+357-(N+378))+B_{\bar{N}}(2N+357-(2N+315))+B_{\bar{N}}(2N+357-(N+384))\\ &= B_{\bar{N}}(N-21)+B_{\bar{N}}(42)+B_{\bar{N}}(N-27)=(N-21)+42+(N-27)=\mathbf{2N-6}\\ &(N\geq 370)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+358)} &= B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+357))+B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+356))+B_{\bar{N}}(2N+358-B_{\bar{N}}(2N+355))\\ &= B_{\bar{N}}(2N+358-(2N-6))+B_{\bar{N}}(2N+358-(N+378))+B_{\bar{N}}(2N+358-(2N+315))\\ &= B_{\bar{N}}(364)+B_{\bar{N}}(N-20)+B_{\bar{N}}(43)=364+(N-20)+43=\mathbf{N+387}\\ &(N\geq 364)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+359)} &= B_{\bar{N}}(2N+359-B_{\bar{N}}(2N+358))+B_{\bar{N}}(2N+359-B_{\bar{N}}(2N+357))+B_{\bar{N}}(2N+359-B_{\bar{N}}(2N+356))\\ &= B_{\bar{N}}(2N+359-(N+387))+B_{\bar{N}}(2N+359-(2N-6))+B_{\bar{N}}(2N+359-(N+378))\\ &= B_{\bar{N}}(N-28)+B_{\bar{N}}(365)+B_{\bar{N}}(N-19)=(N-28)+365+(N-19)=\mathbf{2N+318}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+360)} &= B_{\bar{N}}(2N+360-B_{\bar{N}}(2N+359))+B_{\bar{N}}(2N+360-B_{\bar{N}}(2N+358))+B_{\bar{N}}(2N+360-B_{\bar{N}}(2N+357))\\ &= B_{\bar{N}}(2N+360-(2N+318))+B_{\bar{N}}(2N+360-(N+387))+B_{\bar{N}}(2N+360-(2N-6))\\ &= B_{\bar{N}}(42)+B_{\bar{N}}(N-27)+B_{\bar{N}}(366)=42+(N-27)+366=\mathbf{N+381}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+361)} &= B_{\bar{N}}(2N+361-B_{\bar{N}}(2N+360))+B_{\bar{N}}(2N+361-B_{\bar{N}}(2N+359))+B_{\bar{N}}(2N+361-B_{\bar{N}}(2N+358))\\ &= B_{\bar{N}}(2N+361-(N+381))+B_{\bar{N}}(2N+361-(2N+318))+B_{\bar{N}}(2N+361-(N+387))\\ &= B_{\bar{N}}(N-20)+B_{\bar{N}}(43)+B_{\bar{N}}(N-26)=(N-20)+43+(N-26)=\mathbf{2N-3}\\ &(N\geq 43)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+362)} &= B_{\bar{N}}(2N+362-B_{\bar{N}}(2N+361))+B_{\bar{N}}(2N+362-B_{\bar{N}}(2N+360))+B_{\bar{N}}(2N+362-B_{\bar{N}}(2N+359))\\ &= B_{\bar{N}}(2N+362-(2N-3))+B_{\bar{N}}(2N+362-(N+381))+B_{\bar{N}}(2N+362-(2N+318))\\ &= B_{\bar{N}}(365)+B_{\bar{N}}(N-19)+B_{\bar{N}}(44)=365+(N-19)+44=\mathbf{N+390}\\ &(N\geq 365)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+363)} &= B_{\bar{N}}(2N+363-B_{\bar{N}}(2N+362))+B_{\bar{N}}(2N+363-B_{\bar{N}}(2N+361))+B_{\bar{N}}(2N+363-B_{\bar{N}}(2N+360))\\ &= B_{\bar{N}}(2N+363-(N+390))+B_{\bar{N}}(2N+363-(2N-3))+B_{\bar{N}}(2N+363-(N+381))\\ &= B_{\bar{N}}(N-27)+B_{\bar{N}}(366)+B_{\bar{N}}(N-18)=(N-27)+366+(N-18)=\mathbf{2N+321}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+364)} &= B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+363))+B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+362))+B_{\bar{N}}(2N+364-B_{\bar{N}}(2N+361))\\ &= B_{\bar{N}}(2N+364-(2N+321))+B_{\bar{N}}(2N+364-(N+390))+B_{\bar{N}}(2N+364-(2N-3))\\ &= B_{\bar{N}}(43)+B_{\bar{N}}(N-26)+B_{\bar{N}}(367)=43+(N-26)+367=\mathbf{N+384}\\ &(N\geq 377)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+365)} &= B_{\bar{N}}(2N+365-B_{\bar{N}}(2N+364))+B_{\bar{N}}(2N+365-B_{\bar{N}}(2N+363))+B_{\bar{N}}(2N+365-B_{\bar{N}}(2N+362))\\ &= B_{\bar{N}}(2N+365-(N+384))+B_{\bar{N}}(2N+365-(2N+321))+B_{\bar{N}}(2N+365-(N+390))\\ &= B_{\bar{N}}(N-19)+B_{\bar{N}}(44)+B_{\bar{N}}(N-25)=(N-19)+44+(N-25)=\mathbf{2N}\\ &(N\geq 378)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+366)} &= B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+365))+B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+364))+B_{\bar{N}}(2N+366-B_{\bar{N}}(2N+363))\\ &= B_{\bar{N}}(2N+366-2N)+B_{\bar{N}}(2N+366-(N+384))+B_{\bar{N}}(2N+366-(2N+321))\\ &= B_{\bar{N}}(366)+B_{\bar{N}}(N-18)+B_{\bar{N}}(45)=366+(N-18)+45=\mathbf{N+393}\\ &(N\geq 379)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+367)} &= B_{\bar{N}}(2N+367-B_{\bar{N}}(2N+366))+B_{\bar{N}}(2N+367-B_{\bar{N}}(2N+365))+B_{\bar{N}}(2N+367-B_{\bar{N}}(2N+364))\\ &= B_{\bar{N}}(2N+367-(N+393))+B_{\bar{N}}(2N+367-2N)+B_{\bar{N}}(2N+367-(N+384))\\ &= B_{\bar{N}}(N-26)+B_{\bar{N}}(367)+B_{\bar{N}}(N-17)=(N-26)+367+(N-17)=\mathbf{2N+324}\\ &(N\geq 368)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+368)} &= B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+367))+B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+366))+B_{\bar{N}}(2N+368-B_{\bar{N}}(2N+365))\\ &= B_{\bar{N}}(2N+368-(2N+324))+B_{\bar{N}}(2N+368-(N+393))+B_{\bar{N}}(2N+368-2N)\\ &= B_{\bar{N}}(44)+B_{\bar{N}}(N-25)+B_{\bar{N}}(368)=44+(N-25)+368=\mathbf{N+387}\\ &(N\geq 737)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+369)} &= B_{\bar{N}}(2N+369-B_{\bar{N}}(2N+368))+B_{\bar{N}}(2N+369-B_{\bar{N}}(2N+367))+B_{\bar{N}}(2N+369-B_{\bar{N}}(2N+366))\\ &= B_{\bar{N}}(2N+369-(N+387))+B_{\bar{N}}(2N+369-(2N+324))+B_{\bar{N}}(2N+369-(N+393))\\ &= B_{\bar{N}}(N-18)+B_{\bar{N}}(45)+B_{\bar{N}}(N-24)=(N-18)+45+(N-24)=\mathbf{2N+3}\\ &(N\geq 794)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+370)} &= B_{\bar{N}}(2N+370-B_{\bar{N}}(2N+369))+B_{\bar{N}}(2N+370-B_{\bar{N}}(2N+368))+B_{\bar{N}}(2N+370-B_{\bar{N}}(2N+367))\\ &= B_{\bar{N}}(2N+370-(2N+3))+B_{\bar{N}}(2N+370-(N+387))+B_{\bar{N}}(2N+370-(2N+324))\\ &= B_{\bar{N}}(367)+B_{\bar{N}}(N-17)+B_{\bar{N}}(46)=367+(N-17)+46=\mathbf{N+396}\\ &(N\geq 793)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+371)} &= B_{\bar{N}}(2N+371-B_{\bar{N}}(2N+370))+B_{\bar{N}}(2N+371-B_{\bar{N}}(2N+369))+B_{\bar{N}}(2N+371-B_{\bar{N}}(2N+368))\\ &= B_{\bar{N}}(2N+371-(N+396))+B_{\bar{N}}(2N+371-(2N+3))+B_{\bar{N}}(2N+371-(N+387))\\ &= B_{\bar{N}}(N-25)+B_{\bar{N}}(368)+B_{\bar{N}}(N-16)=(N-25)+368+(N-16)=\mathbf{2N+327}\\ &(N\geq 792)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+372)} &= B_{\bar{N}}(2N+372-B_{\bar{N}}(2N+371))+B_{\bar{N}}(2N+372-B_{\bar{N}}(2N+370))+B_{\bar{N}}(2N+372-B_{\bar{N}}(2N+369))\\ &= B_{\bar{N}}(2N+372-(2N+327))+B_{\bar{N}}(2N+372-(N+396))+B_{\bar{N}}(2N+372-(2N+3))\\ &= B_{\bar{N}}(45)+B_{\bar{N}}(N-24)+B_{\bar{N}}(369)=45+(N-24)+369=\mathbf{N+390}\\ &(N\geq 1065)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+373)} &= B_{\bar{N}}(2N+373-B_{\bar{N}}(2N+372))+B_{\bar{N}}(2N+373-B_{\bar{N}}(2N+371))+B_{\bar{N}}(2N+373-B_{\bar{N}}(2N+370))\\ &= B_{\bar{N}}(2N+373-(N+390))+B_{\bar{N}}(2N+373-(2N+327))+B_{\bar{N}}(2N+373-(N+396))\\ &= B_{\bar{N}}(N-17)+B_{\bar{N}}(46)+B_{\bar{N}}(N-23)=(N-17)+46+(N-23)=\mathbf{2N+6}\\ &(N\geq 1066)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+374)} &= B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+373))+B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+372))+B_{\bar{N}}(2N+374-B_{\bar{N}}(2N+371))\\ &= B_{\bar{N}}(2N+374-(2N+6))+B_{\bar{N}}(2N+374-(N+390))+B_{\bar{N}}(2N+374-(2N+327))\\ &= B_{\bar{N}}(368)+B_{\bar{N}}(N-16)+B_{\bar{N}}(47)=368+(N-16)+47=\mathbf{N+399}\\ &(N\geq 1066)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+375)} &= B_{\bar{N}}(2N+375-B_{\bar{N}}(2N+374))+B_{\bar{N}}(2N+375-B_{\bar{N}}(2N+373))+B_{\bar{N}}(2N+375-B_{\bar{N}}(2N+372))\\ &= B_{\bar{N}}(2N+375-(N+399))+B_{\bar{N}}(2N+375-(2N+6))+B_{\bar{N}}(2N+375-(N+390))\\ &= B_{\bar{N}}(N-24)+B_{\bar{N}}(369)+B_{\bar{N}}(N-15)=(N-24)+369+(N-15)=\mathbf{2N+330}\\ &(N\geq 369)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+376)} &= B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+375))+B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+374))+B_{\bar{N}}(2N+376-B_{\bar{N}}(2N+373))\\ &= B_{\bar{N}}(2N+376-(2N+330))+B_{\bar{N}}(2N+376-(N+399))+B_{\bar{N}}(2N+376-(2N+6))\\ &= B_{\bar{N}}(46)+B_{\bar{N}}(N-23)+B_{\bar{N}}(370)=46+(N-23)+370=\mathbf{N+393}\\ &(N\geq 370)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+377)} &= B_{\bar{N}}(2N+377-B_{\bar{N}}(2N+376))+B_{\bar{N}}(2N+377-B_{\bar{N}}(2N+375))+B_{\bar{N}}(2N+377-B_{\bar{N}}(2N+374))\\ &= B_{\bar{N}}(2N+377-(N+393))+B_{\bar{N}}(2N+377-(2N+330))+B_{\bar{N}}(2N+377-(N+399))\\ &= B_{\bar{N}}(N-16)+B_{\bar{N}}(47)+B_{\bar{N}}(N-22)=(N-16)+47+(N-22)=\mathbf{2N+9}\\ &(N\geq 70)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+378)} &= B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+377))+B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+376))+B_{\bar{N}}(2N+378-B_{\bar{N}}(2N+375))\\ &= B_{\bar{N}}(2N+378-(2N+9))+B_{\bar{N}}(2N+378-(N+393))+B_{\bar{N}}(2N+378-(2N+330))\\ &= B_{\bar{N}}(369)+B_{\bar{N}}(N-15)+B_{\bar{N}}(48)=369+(N-15)+48=\mathbf{N+402}\\ &(N\geq 369)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+379)} &= B_{\bar{N}}(2N+379-B_{\bar{N}}(2N+378))+B_{\bar{N}}(2N+379-B_{\bar{N}}(2N+377))+B_{\bar{N}}(2N+379-B_{\bar{N}}(2N+376))\\ &= B_{\bar{N}}(2N+379-(N+402))+B_{\bar{N}}(2N+379-(2N+9))+B_{\bar{N}}(2N+379-(N+393))\\ &= B_{\bar{N}}(N-23)+B_{\bar{N}}(370)+B_{\bar{N}}(N-14)=(N-23)+370+(N-14)=\mathbf{2N+333}\\ &(N\geq 370)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+380)} &= B_{\bar{N}}(2N+380-B_{\bar{N}}(2N+379))+B_{\bar{N}}(2N+380-B_{\bar{N}}(2N+378))+B_{\bar{N}}(2N+380-B_{\bar{N}}(2N+377))\\ &= B_{\bar{N}}(2N+380-(2N+333))+B_{\bar{N}}(2N+380-(N+402))+B_{\bar{N}}(2N+380-(2N+9))\\ &= B_{\bar{N}}(47)+B_{\bar{N}}(N-22)+B_{\bar{N}}(371)=47+(N-22)+371=\mathbf{N+396}\\ &(N\geq 371)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+381)} &= B_{\bar{N}}(2N+381-B_{\bar{N}}(2N+380))+B_{\bar{N}}(2N+381-B_{\bar{N}}(2N+379))+B_{\bar{N}}(2N+381-B_{\bar{N}}(2N+378))\\ &= B_{\bar{N}}(2N+381-(N+396))+B_{\bar{N}}(2N+381-(2N+333))+B_{\bar{N}}(2N+381-(N+402))\\ &= B_{\bar{N}}(N-15)+B_{\bar{N}}(48)+B_{\bar{N}}(N-21)=(N-15)+48+(N-21)=\mathbf{2N+12}\\ &(N\geq 48)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+382)} &= B_{\bar{N}}(2N+382-B_{\bar{N}}(2N+381))+B_{\bar{N}}(2N+382-B_{\bar{N}}(2N+380))+B_{\bar{N}}(2N+382-B_{\bar{N}}(2N+379))\\ &= B_{\bar{N}}(2N+382-(2N+12))+B_{\bar{N}}(2N+382-(N+396))+B_{\bar{N}}(2N+382-(2N+333))\\ &= B_{\bar{N}}(370)+B_{\bar{N}}(N-14)+B_{\bar{N}}(49)=370+(N-14)+49=\mathbf{N+405}\\ &(N\geq 370)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+383)} &= B_{\bar{N}}(2N+383-B_{\bar{N}}(2N+382))+B_{\bar{N}}(2N+383-B_{\bar{N}}(2N+381))+B_{\bar{N}}(2N+383-B_{\bar{N}}(2N+380))\\ &= B_{\bar{N}}(2N+383-(N+405))+B_{\bar{N}}(2N+383-(2N+12))+B_{\bar{N}}(2N+383-(N+396))\\ &= B_{\bar{N}}(N-22)+B_{\bar{N}}(371)+B_{\bar{N}}(N-13)=(N-22)+371+(N-13)=\mathbf{2N+336}\\ &(N\geq 371)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+384)} &= B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+383))+B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+382))+B_{\bar{N}}(2N+384-B_{\bar{N}}(2N+381))\\ &= B_{\bar{N}}(2N+384-(2N+336))+B_{\bar{N}}(2N+384-(N+405))+B_{\bar{N}}(2N+384-(2N+12))\\ &= B_{\bar{N}}(48)+B_{\bar{N}}(N-21)+B_{\bar{N}}(372)=48+(N-21)+372=\mathbf{N+399}\\ &(N\geq 372)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+385)} &= B_{\bar{N}}(2N+385-B_{\bar{N}}(2N+384))+B_{\bar{N}}(2N+385-B_{\bar{N}}(2N+383))+B_{\bar{N}}(2N+385-B_{\bar{N}}(2N+382))\\ &= B_{\bar{N}}(2N+385-(N+399))+B_{\bar{N}}(2N+385-(2N+336))+B_{\bar{N}}(2N+385-(N+405))\\ &= B_{\bar{N}}(N-14)+B_{\bar{N}}(49)+B_{\bar{N}}(N-20)=(N-14)+49+(N-20)=\mathbf{2N+15}\\ &(N\geq 49)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+386)} &= B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+385))+B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+384))+B_{\bar{N}}(2N+386-B_{\bar{N}}(2N+383))\\ &= B_{\bar{N}}(2N+386-(2N+15))+B_{\bar{N}}(2N+386-(N+399))+B_{\bar{N}}(2N+386-(2N+336))\\ &= B_{\bar{N}}(371)+B_{\bar{N}}(N-13)+B_{\bar{N}}(50)=371+(N-13)+50=\mathbf{N+408}\\ &(N\geq 371)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+387)} &= B_{\bar{N}}(2N+387-B_{\bar{N}}(2N+386))+B_{\bar{N}}(2N+387-B_{\bar{N}}(2N+385))+B_{\bar{N}}(2N+387-B_{\bar{N}}(2N+384))\\ &= B_{\bar{N}}(2N+387-(N+408))+B_{\bar{N}}(2N+387-(2N+15))+B_{\bar{N}}(2N+387-(N+399))\\ &= B_{\bar{N}}(N-21)+B_{\bar{N}}(372)+B_{\bar{N}}(N-12)=(N-21)+372+(N-12)=\mathbf{2N+339}\\ &(N\geq 372)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+388)} &= B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+387))+B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+386))+B_{\bar{N}}(2N+388-B_{\bar{N}}(2N+385))\\ &= B_{\bar{N}}(2N+388-(2N+339))+B_{\bar{N}}(2N+388-(N+408))+B_{\bar{N}}(2N+388-(2N+15))\\ &= B_{\bar{N}}(49)+B_{\bar{N}}(N-20)+B_{\bar{N}}(373)=49+(N-20)+373=\mathbf{N+402}\\ &(N\geq 373)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+389)} &= B_{\bar{N}}(2N+389-B_{\bar{N}}(2N+388))+B_{\bar{N}}(2N+389-B_{\bar{N}}(2N+387))+B_{\bar{N}}(2N+389-B_{\bar{N}}(2N+386))\\ &= B_{\bar{N}}(2N+389-(N+402))+B_{\bar{N}}(2N+389-(2N+339))+B_{\bar{N}}(2N+389-(N+408))\\ &= B_{\bar{N}}(N-13)+B_{\bar{N}}(50)+B_{\bar{N}}(N-19)=(N-13)+50+(N-19)=\mathbf{2N+18}\\ &(N\geq 50)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+390)} &= B_{\bar{N}}(2N+390-B_{\bar{N}}(2N+389))+B_{\bar{N}}(2N+390-B_{\bar{N}}(2N+388))+B_{\bar{N}}(2N+390-B_{\bar{N}}(2N+387))\\ &= B_{\bar{N}}(2N+390-(2N+18))+B_{\bar{N}}(2N+390-(N+402))+B_{\bar{N}}(2N+390-(2N+339))\\ &= B_{\bar{N}}(372)+B_{\bar{N}}(N-12)+B_{\bar{N}}(51)=372+(N-12)+51=\mathbf{N+411}\\ &(N\geq 372)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+391)} &= B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+390))+B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+389))+B_{\bar{N}}(2N+391-B_{\bar{N}}(2N+388))\\ &= B_{\bar{N}}(2N+391-(N+411))+B_{\bar{N}}(2N+391-(2N+18))+B_{\bar{N}}(2N+391-(N+402))\\ &= B_{\bar{N}}(N-20)+B_{\bar{N}}(373)+B_{\bar{N}}(N-11)=(N-20)+373+(N-11)=\mathbf{2N+342}\\ &(N\geq 383)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+392)} &= B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+391))+B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+390))+B_{\bar{N}}(2N+392-B_{\bar{N}}(2N+389))\\ &= B_{\bar{N}}(2N+392-(2N+342))+B_{\bar{N}}(2N+392-(N+411))+B_{\bar{N}}(2N+392-(2N+18))\\ &= B_{\bar{N}}(50)+B_{\bar{N}}(N-19)+B_{\bar{N}}(374)=50+(N-19)+374=\mathbf{N+405}\\ &(N\geq 384)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+393)} &= B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+392))+B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+391))+B_{\bar{N}}(2N+393-B_{\bar{N}}(2N+390))\\ &= B_{\bar{N}}(2N+393-(N+405))+B_{\bar{N}}(2N+393-(2N+342))+B_{\bar{N}}(2N+393-(N+411))\\ &= B_{\bar{N}}(N-12)+B_{\bar{N}}(51)+B_{\bar{N}}(N-18)=(N-12)+51+(N-18)=\mathbf{2N+21}\\ &(N\geq 385)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+394)} &= B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+393))+B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+392))+B_{\bar{N}}(2N+394-B_{\bar{N}}(2N+391))\\ &= B_{\bar{N}}(2N+394-(2N+21))+B_{\bar{N}}(2N+394-(N+405))+B_{\bar{N}}(2N+394-(2N+342))\\ &= B_{\bar{N}}(373)+B_{\bar{N}}(N-11)+B_{\bar{N}}(52)=373+(N-11)+52=\mathbf{N+414}\\ &(N\geq 373)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+395)} &= B_{\bar{N}}(2N+395-B_{\bar{N}}(2N+394))+B_{\bar{N}}(2N+395-B_{\bar{N}}(2N+393))+B_{\bar{N}}(2N+395-B_{\bar{N}}(2N+392))\\ &= B_{\bar{N}}(2N+395-(N+414))+B_{\bar{N}}(2N+395-(2N+21))+B_{\bar{N}}(2N+395-(N+405))\\ &= B_{\bar{N}}(N-19)+B_{\bar{N}}(374)+B_{\bar{N}}(N-10)=(N-19)+374+(N-10)=\mathbf{2N+345}\\ &(N\geq 743)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+396)} &= B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+395))+B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+394))+B_{\bar{N}}(2N+396-B_{\bar{N}}(2N+393))\\ &= B_{\bar{N}}(2N+396-(2N+345))+B_{\bar{N}}(2N+396-(N+414))+B_{\bar{N}}(2N+396-(2N+21))\\ &= B_{\bar{N}}(51)+B_{\bar{N}}(N-18)+B_{\bar{N}}(375)=51+(N-18)+375=\mathbf{N+408}\\ &(N\geq 773)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+397)} &= B_{\bar{N}}(2N+397-B_{\bar{N}}(2N+396))+B_{\bar{N}}(2N+397-B_{\bar{N}}(2N+395))+B_{\bar{N}}(2N+397-B_{\bar{N}}(2N+394))\\ &= B_{\bar{N}}(2N+397-(N+408))+B_{\bar{N}}(2N+397-(2N+345))+B_{\bar{N}}(2N+397-(N+414))\\ &= B_{\bar{N}}(N-11)+B_{\bar{N}}(52)+B_{\bar{N}}(N-17)=(N-11)+52+(N-17)=\mathbf{2N+24}\\ &(N\geq 772)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+398)} &= B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+397))+B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+396))+B_{\bar{N}}(2N+398-B_{\bar{N}}(2N+395))\\ &= B_{\bar{N}}(2N+398-(2N+24))+B_{\bar{N}}(2N+398-(N+408))+B_{\bar{N}}(2N+398-(2N+345))\\ &= B_{\bar{N}}(374)+B_{\bar{N}}(N-10)+B_{\bar{N}}(53)=374+(N-10)+53=\mathbf{N+417}\\ &(N\geq 771)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+399)} &= B_{\bar{N}}(2N+399-B_{\bar{N}}(2N+398))+B_{\bar{N}}(2N+399-B_{\bar{N}}(2N+397))+B_{\bar{N}}(2N+399-B_{\bar{N}}(2N+396))\\ &= B_{\bar{N}}(2N+399-(N+417))+B_{\bar{N}}(2N+399-(2N+24))+B_{\bar{N}}(2N+399-(N+408))\\ &= B_{\bar{N}}(N-18)+B_{\bar{N}}(375)+B_{\bar{N}}(N-9)=(N-18)+375+(N-9)=\mathbf{2N+348}\\ &(N\geq 1067)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+400)} &= B_{\bar{N}}(2N+400-B_{\bar{N}}(2N+399))+B_{\bar{N}}(2N+400-B_{\bar{N}}(2N+398))+B_{\bar{N}}(2N+400-B_{\bar{N}}(2N+397))\\ &= B_{\bar{N}}(2N+400-(2N+348))+B_{\bar{N}}(2N+400-(N+417))+B_{\bar{N}}(2N+400-(2N+24))\\ &= B_{\bar{N}}(52)+B_{\bar{N}}(N-17)+B_{\bar{N}}(376)=52+(N-17)+376=\mathbf{N+411}\\ &(N\geq 1068)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+401)} &= B_{\bar{N}}(2N+401-B_{\bar{N}}(2N+400))+B_{\bar{N}}(2N+401-B_{\bar{N}}(2N+399))+B_{\bar{N}}(2N+401-B_{\bar{N}}(2N+398))\\ &= B_{\bar{N}}(2N+401-(N+411))+B_{\bar{N}}(2N+401-(2N+348))+B_{\bar{N}}(2N+401-(N+417))\\ &= B_{\bar{N}}(N-10)+B_{\bar{N}}(53)+B_{\bar{N}}(N-16)=(N-10)+53+(N-16)=\mathbf{2N+27}\\ &(N\geq 1069)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+402)} &= B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+401))+B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+400))+B_{\bar{N}}(2N+402-B_{\bar{N}}(2N+399))\\ &= B_{\bar{N}}(2N+402-(2N+27))+B_{\bar{N}}(2N+402-(N+411))+B_{\bar{N}}(2N+402-(2N+348))\\ &= B_{\bar{N}}(375)+B_{\bar{N}}(N-9)+B_{\bar{N}}(54)=375+(N-9)+54=\mathbf{N+420}\\ &(N\geq 375)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+403)} &= B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+402))+B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+401))+B_{\bar{N}}(2N+403-B_{\bar{N}}(2N+400))\\ &= B_{\bar{N}}(2N+403-(N+420))+B_{\bar{N}}(2N+403-(2N+27))+B_{\bar{N}}(2N+403-(N+411))\\ &= B_{\bar{N}}(N-17)+B_{\bar{N}}(376)+B_{\bar{N}}(N-8)=(N-17)+376+(N-8)=\mathbf{2N+351}\\ &(N\geq 1186)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+404)} &= B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+403))+B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+402))+B_{\bar{N}}(2N+404-B_{\bar{N}}(2N+401))\\ &= B_{\bar{N}}(2N+404-(2N+351))+B_{\bar{N}}(2N+404-(N+420))+B_{\bar{N}}(2N+404-(2N+27))\\ &= B_{\bar{N}}(53)+B_{\bar{N}}(N-16)+B_{\bar{N}}(377)=53+(N-16)+377=\mathbf{N+414}\\ &(N\geq 1185)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+405)} &= B_{\bar{N}}(2N+405-B_{\bar{N}}(2N+404))+B_{\bar{N}}(2N+405-B_{\bar{N}}(2N+403))+B_{\bar{N}}(2N+405-B_{\bar{N}}(2N+402))\\ &= B_{\bar{N}}(2N+405-(N+414))+B_{\bar{N}}(2N+405-(2N+351))+B_{\bar{N}}(2N+405-(N+420))\\ &= B_{\bar{N}}(N-9)+B_{\bar{N}}(54)+B_{\bar{N}}(N-15)=(N-9)+54+(N-15)=\mathbf{2N+30}\\ &(N\geq 1184)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+406)} &= B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+405))+B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+404))+B_{\bar{N}}(2N+406-B_{\bar{N}}(2N+403))\\ &= B_{\bar{N}}(2N+406-(2N+30))+B_{\bar{N}}(2N+406-(N+414))+B_{\bar{N}}(2N+406-(2N+351))\\ &= B_{\bar{N}}(376)+B_{\bar{N}}(N-8)+B_{\bar{N}}(55)=376+(N-8)+55=\mathbf{N+423}\\ &(N\geq 511)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+407)} &= B_{\bar{N}}(2N+407-B_{\bar{N}}(2N+406))+B_{\bar{N}}(2N+407-B_{\bar{N}}(2N+405))+B_{\bar{N}}(2N+407-B_{\bar{N}}(2N+404))\\ &= B_{\bar{N}}(2N+407-(N+423))+B_{\bar{N}}(2N+407-(2N+30))+B_{\bar{N}}(2N+407-(N+414))\\ &= B_{\bar{N}}(N-16)+B_{\bar{N}}(377)+B_{\bar{N}}(N-7)=(N-16)+377+(N-7)=\mathbf{2N+354}\\ &(N\geq 512)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+408)} &= B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+407))+B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+406))+B_{\bar{N}}(2N+408-B_{\bar{N}}(2N+405))\\ &= B_{\bar{N}}(2N+408-(2N+354))+B_{\bar{N}}(2N+408-(N+423))+B_{\bar{N}}(2N+408-(2N+30))\\ &= B_{\bar{N}}(54)+B_{\bar{N}}(N-15)+B_{\bar{N}}(378)=54+(N-15)+378=\mathbf{N+417}\\ &(N\geq 513)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+409)} &= B_{\bar{N}}(2N+409-B_{\bar{N}}(2N+408))+B_{\bar{N}}(2N+409-B_{\bar{N}}(2N+407))+B_{\bar{N}}(2N+409-B_{\bar{N}}(2N+406))\\ &= B_{\bar{N}}(2N+409-(N+417))+B_{\bar{N}}(2N+409-(2N+354))+B_{\bar{N}}(2N+409-(N+423))\\ &= B_{\bar{N}}(N-8)+B_{\bar{N}}(55)+B_{\bar{N}}(N-14)=(N-8)+55+(N-14)=\mathbf{2N+33}\\ &(N\geq 55)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+410)} &= B_{\bar{N}}(2N+410-B_{\bar{N}}(2N+409))+B_{\bar{N}}(2N+410-B_{\bar{N}}(2N+408))+B_{\bar{N}}(2N+410-B_{\bar{N}}(2N+407))\\ &= B_{\bar{N}}(2N+410-(2N+33))+B_{\bar{N}}(2N+410-(N+417))+B_{\bar{N}}(2N+410-(2N+354))\\ &= B_{\bar{N}}(377)+B_{\bar{N}}(N-7)+B_{\bar{N}}(56)=377+(N-7)+56=\mathbf{N+426}\\ &(N\geq 377)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+411)} &= B_{\bar{N}}(2N+411-B_{\bar{N}}(2N+410))+B_{\bar{N}}(2N+411-B_{\bar{N}}(2N+409))+B_{\bar{N}}(2N+411-B_{\bar{N}}(2N+408))\\ &= B_{\bar{N}}(2N+411-(N+426))+B_{\bar{N}}(2N+411-(2N+33))+B_{\bar{N}}(2N+411-(N+417))\\ &= B_{\bar{N}}(N-15)+B_{\bar{N}}(378)+B_{\bar{N}}(N-6)=(N-15)+378+(N-6)=\mathbf{2N+357}\\ &(N\geq 378)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+412)} &= B_{\bar{N}}(2N+412-B_{\bar{N}}(2N+411))+B_{\bar{N}}(2N+412-B_{\bar{N}}(2N+410))+B_{\bar{N}}(2N+412-B_{\bar{N}}(2N+409))\\ &= B_{\bar{N}}(2N+412-(2N+357))+B_{\bar{N}}(2N+412-(N+426))+B_{\bar{N}}(2N+412-(2N+33))\\ &= B_{\bar{N}}(55)+B_{\bar{N}}(N-14)+B_{\bar{N}}(379)=55+(N-14)+379=\mathbf{N+420}\\ &(N\geq 379)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+413)} &= B_{\bar{N}}(2N+413-B_{\bar{N}}(2N+412))+B_{\bar{N}}(2N+413-B_{\bar{N}}(2N+411))+B_{\bar{N}}(2N+413-B_{\bar{N}}(2N+410))\\ &= B_{\bar{N}}(2N+413-(N+420))+B_{\bar{N}}(2N+413-(2N+357))+B_{\bar{N}}(2N+413-(N+426))\\ &= B_{\bar{N}}(N-7)+B_{\bar{N}}(56)+B_{\bar{N}}(N-13)=(N-7)+56+(N-13)=\mathbf{2N+36}\\ &(N\geq 56)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+414)} &= B_{\bar{N}}(2N+414-B_{\bar{N}}(2N+413))+B_{\bar{N}}(2N+414-B_{\bar{N}}(2N+412))+B_{\bar{N}}(2N+414-B_{\bar{N}}(2N+411))\\ &= B_{\bar{N}}(2N+414-(2N+36))+B_{\bar{N}}(2N+414-(N+420))+B_{\bar{N}}(2N+414-(2N+357))\\ &= B_{\bar{N}}(378)+B_{\bar{N}}(N-6)+B_{\bar{N}}(57)=378+(N-6)+57=\mathbf{N+429}\\ &(N\geq 378)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+415)} &= B_{\bar{N}}(2N+415-B_{\bar{N}}(2N+414))+B_{\bar{N}}(2N+415-B_{\bar{N}}(2N+413))+B_{\bar{N}}(2N+415-B_{\bar{N}}(2N+412))\\ &= B_{\bar{N}}(2N+415-(N+429))+B_{\bar{N}}(2N+415-(2N+36))+B_{\bar{N}}(2N+415-(N+420))\\ &= B_{\bar{N}}(N-14)+B_{\bar{N}}(379)+B_{\bar{N}}(N-5)=(N-14)+379+(N-5)=\mathbf{2N+360}\\ &(N\geq 379)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+416)} &= B_{\bar{N}}(2N+416-B_{\bar{N}}(2N+415))+B_{\bar{N}}(2N+416-B_{\bar{N}}(2N+414))+B_{\bar{N}}(2N+416-B_{\bar{N}}(2N+413))\\ &= B_{\bar{N}}(2N+416-(2N+360))+B_{\bar{N}}(2N+416-(N+429))+B_{\bar{N}}(2N+416-(2N+36))\\ &= B_{\bar{N}}(56)+B_{\bar{N}}(N-13)+B_{\bar{N}}(380)=56+(N-13)+380=\mathbf{N+423}\\ &(N\geq 380)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+417)} &= B_{\bar{N}}(2N+417-B_{\bar{N}}(2N+416))+B_{\bar{N}}(2N+417-B_{\bar{N}}(2N+415))+B_{\bar{N}}(2N+417-B_{\bar{N}}(2N+414))\\ &= B_{\bar{N}}(2N+417-(N+423))+B_{\bar{N}}(2N+417-(2N+360))+B_{\bar{N}}(2N+417-(N+429))\\ &= B_{\bar{N}}(N-6)+B_{\bar{N}}(57)+B_{\bar{N}}(N-12)=(N-6)+57+(N-12)=\mathbf{2N+39}\\ &(N\geq 366)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+418)} &= B_{\bar{N}}(2N+418-B_{\bar{N}}(2N+417))+B_{\bar{N}}(2N+418-B_{\bar{N}}(2N+416))+B_{\bar{N}}(2N+418-B_{\bar{N}}(2N+415))\\ &= B_{\bar{N}}(2N+418-(2N+39))+B_{\bar{N}}(2N+418-(N+423))+B_{\bar{N}}(2N+418-(2N+360))\\ &= B_{\bar{N}}(379)+B_{\bar{N}}(N-5)+B_{\bar{N}}(58)=379+(N-5)+58=\mathbf{N+432}\\ &(N\geq 379)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+419)} &= B_{\bar{N}}(2N+419-B_{\bar{N}}(2N+418))+B_{\bar{N}}(2N+419-B_{\bar{N}}(2N+417))+B_{\bar{N}}(2N+419-B_{\bar{N}}(2N+416))\\ &= B_{\bar{N}}(2N+419-(N+432))+B_{\bar{N}}(2N+419-(2N+39))+B_{\bar{N}}(2N+419-(N+423))\\ &= B_{\bar{N}}(N-13)+B_{\bar{N}}(380)+B_{\bar{N}}(N-4)=(N-13)+380+(N-4)=\mathbf{2N+363}\\ &(N\geq 380)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+420)} &= B_{\bar{N}}(2N+420-B_{\bar{N}}(2N+419))+B_{\bar{N}}(2N+420-B_{\bar{N}}(2N+418))+B_{\bar{N}}(2N+420-B_{\bar{N}}(2N+417))\\ &= B_{\bar{N}}(2N+420-(2N+363))+B_{\bar{N}}(2N+420-(N+432))+B_{\bar{N}}(2N+420-(2N+39))\\ &= B_{\bar{N}}(57)+B_{\bar{N}}(N-12)+B_{\bar{N}}(381)=57+(N-12)+381=\mathbf{N+426}\\ &(N\geq 381)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+421)} &= B_{\bar{N}}(2N+421-B_{\bar{N}}(2N+420))+B_{\bar{N}}(2N+421-B_{\bar{N}}(2N+419))+B_{\bar{N}}(2N+421-B_{\bar{N}}(2N+418))\\ &= B_{\bar{N}}(2N+421-(N+426))+B_{\bar{N}}(2N+421-(2N+363))+B_{\bar{N}}(2N+421-(N+432))\\ &= B_{\bar{N}}(N-5)+B_{\bar{N}}(58)+B_{\bar{N}}(N-11)=(N-5)+58+(N-11)=\mathbf{2N+42}\\ &(N\geq 361)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+422)} &= B_{\bar{N}}(2N+422-B_{\bar{N}}(2N+421))+B_{\bar{N}}(2N+422-B_{\bar{N}}(2N+420))+B_{\bar{N}}(2N+422-B_{\bar{N}}(2N+419))\\ &= B_{\bar{N}}(2N+422-(2N+42))+B_{\bar{N}}(2N+422-(N+426))+B_{\bar{N}}(2N+422-(2N+363))\\ &= B_{\bar{N}}(380)+B_{\bar{N}}(N-4)+B_{\bar{N}}(59)=380+(N-4)+59=\mathbf{N+435}\\ &(N\geq 380)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+423)} &= B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+422))+B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+421))+B_{\bar{N}}(2N+423-B_{\bar{N}}(2N+420))\\ &= B_{\bar{N}}(2N+423-(N+435))+B_{\bar{N}}(2N+423-(2N+42))+B_{\bar{N}}(2N+423-(N+426))\\ &= B_{\bar{N}}(N-12)+B_{\bar{N}}(381)+B_{\bar{N}}(N-3)=(N-12)+381+(N-3)=\mathbf{2N+366}\\ &(N\geq 381)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+424)} &= B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+423))+B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+422))+B_{\bar{N}}(2N+424-B_{\bar{N}}(2N+421))\\ &= B_{\bar{N}}(2N+424-(2N+366))+B_{\bar{N}}(2N+424-(N+435))+B_{\bar{N}}(2N+424-(2N+42))\\ &= B_{\bar{N}}(58)+B_{\bar{N}}(N-11)+B_{\bar{N}}(382)=58+(N-11)+382=\mathbf{N+429}\\ &(N\geq 382)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+425)} &= B_{\bar{N}}(2N+425-B_{\bar{N}}(2N+424))+B_{\bar{N}}(2N+425-B_{\bar{N}}(2N+423))+B_{\bar{N}}(2N+425-B_{\bar{N}}(2N+422))\\ &= B_{\bar{N}}(2N+425-(N+429))+B_{\bar{N}}(2N+425-(2N+366))+B_{\bar{N}}(2N+425-(N+435))\\ &= B_{\bar{N}}(N-4)+B_{\bar{N}}(59)+B_{\bar{N}}(N-10)=(N-4)+59+(N-10)=\mathbf{2N+45}\\ &(N\geq 106)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+426)} &= B_{\bar{N}}(2N+426-B_{\bar{N}}(2N+425))+B_{\bar{N}}(2N+426-B_{\bar{N}}(2N+424))+B_{\bar{N}}(2N+426-B_{\bar{N}}(2N+423))\\ &= B_{\bar{N}}(2N+426-(2N+45))+B_{\bar{N}}(2N+426-(N+429))+B_{\bar{N}}(2N+426-(2N+366))\\ &= B_{\bar{N}}(381)+B_{\bar{N}}(N-3)+B_{\bar{N}}(60)=381+(N-3)+60=\mathbf{N+438}\\ &(N\geq 381)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+427)} &= B_{\bar{N}}(2N+427-B_{\bar{N}}(2N+426))+B_{\bar{N}}(2N+427-B_{\bar{N}}(2N+425))+B_{\bar{N}}(2N+427-B_{\bar{N}}(2N+424))\\ &= B_{\bar{N}}(2N+427-(N+438))+B_{\bar{N}}(2N+427-(2N+45))+B_{\bar{N}}(2N+427-(N+429))\\ &= B_{\bar{N}}(N-11)+B_{\bar{N}}(382)+B_{\bar{N}}(N-2)=(N-11)+382+(N-2)=\mathbf{2N+369}\\ &(N\geq 382)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+428)} &= B_{\bar{N}}(2N+428-B_{\bar{N}}(2N+427))+B_{\bar{N}}(2N+428-B_{\bar{N}}(2N+426))+B_{\bar{N}}(2N+428-B_{\bar{N}}(2N+425))\\ &= B_{\bar{N}}(2N+428-(2N+369))+B_{\bar{N}}(2N+428-(N+438))+B_{\bar{N}}(2N+428-(2N+45))\\ &= B_{\bar{N}}(59)+B_{\bar{N}}(N-10)+B_{\bar{N}}(383)=59+(N-10)+383=\mathbf{N+432}\\ &(N\geq 383)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+429)} &= B_{\bar{N}}(2N+429-B_{\bar{N}}(2N+428))+B_{\bar{N}}(2N+429-B_{\bar{N}}(2N+427))+B_{\bar{N}}(2N+429-B_{\bar{N}}(2N+426))\\ &= B_{\bar{N}}(2N+429-(N+432))+B_{\bar{N}}(2N+429-(2N+369))+B_{\bar{N}}(2N+429-(N+438))\\ &= B_{\bar{N}}(N-3)+B_{\bar{N}}(60)+B_{\bar{N}}(N-9)=(N-3)+60+(N-9)=\mathbf{2N+48}\\ &(N\geq 60)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+430)} &= B_{\bar{N}}(2N+430-B_{\bar{N}}(2N+429))+B_{\bar{N}}(2N+430-B_{\bar{N}}(2N+428))+B_{\bar{N}}(2N+430-B_{\bar{N}}(2N+427))\\ &= B_{\bar{N}}(2N+430-(2N+48))+B_{\bar{N}}(2N+430-(N+432))+B_{\bar{N}}(2N+430-(2N+369))\\ &= B_{\bar{N}}(382)+B_{\bar{N}}(N-2)+B_{\bar{N}}(61)=382+(N-2)+61=\mathbf{N+441}\\ &(N\geq 382)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+431)} &= B_{\bar{N}}(2N+431-B_{\bar{N}}(2N+430))+B_{\bar{N}}(2N+431-B_{\bar{N}}(2N+429))+B_{\bar{N}}(2N+431-B_{\bar{N}}(2N+428))\\ &= B_{\bar{N}}(2N+431-(N+441))+B_{\bar{N}}(2N+431-(2N+48))+B_{\bar{N}}(2N+431-(N+432))\\ &= B_{\bar{N}}(N-10)+B_{\bar{N}}(383)+B_{\bar{N}}(N-1)=(N-10)+383+(N-1)=\mathbf{2N+372}\\ &(N\geq 383)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+432)} &= B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+431))+B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+430))+B_{\bar{N}}(2N+432-B_{\bar{N}}(2N+429))\\ &= B_{\bar{N}}(2N+432-(2N+372))+B_{\bar{N}}(2N+432-(N+441))+B_{\bar{N}}(2N+432-(2N+48))\\ &= B_{\bar{N}}(60)+B_{\bar{N}}(N-9)+B_{\bar{N}}(384)=60+(N-9)+384=\mathbf{N+435}\\ &(N\geq 384)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+433)} &= B_{\bar{N}}(2N+433-B_{\bar{N}}(2N+432))+B_{\bar{N}}(2N+433-B_{\bar{N}}(2N+431))+B_{\bar{N}}(2N+433-B_{\bar{N}}(2N+430))\\ &= B_{\bar{N}}(2N+433-(N+435))+B_{\bar{N}}(2N+433-(2N+372))+B_{\bar{N}}(2N+433-(N+441))\\ &= B_{\bar{N}}(N-2)+B_{\bar{N}}(61)+B_{\bar{N}}(N-8)=(N-2)+61+(N-8)=\mathbf{2N+51}\\ &(N\geq 259)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+434)} &= B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+433))+B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+432))+B_{\bar{N}}(2N+434-B_{\bar{N}}(2N+431))\\ &= B_{\bar{N}}(2N+434-(2N+51))+B_{\bar{N}}(2N+434-(N+435))+B_{\bar{N}}(2N+434-(2N+372))\\ &= B_{\bar{N}}(383)+B_{\bar{N}}(N-1)+B_{\bar{N}}(62)=383+(N-1)+62=\mathbf{N+444}\\ &(N\geq 383)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+435)} &= B_{\bar{N}}(2N+435-B_{\bar{N}}(2N+434))+B_{\bar{N}}(2N+435-B_{\bar{N}}(2N+433))+B_{\bar{N}}(2N+435-B_{\bar{N}}(2N+432))\\ &= B_{\bar{N}}(2N+435-(N+444))+B_{\bar{N}}(2N+435-(2N+51))+B_{\bar{N}}(2N+435-(N+435))\\ &= B_{\bar{N}}(N-9)+B_{\bar{N}}(384)+B_{\bar{N}}(N)=(N-9)+384+N=\mathbf{2N+375}\\ &(N\geq 384)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+436)} &= B_{\bar{N}}(2N+436-B_{\bar{N}}(2N+435))+B_{\bar{N}}(2N+436-B_{\bar{N}}(2N+434))+B_{\bar{N}}(2N+436-B_{\bar{N}}(2N+433))\\ &= B_{\bar{N}}(2N+436-(2N+375))+B_{\bar{N}}(2N+436-(N+444))+B_{\bar{N}}(2N+436-(2N+51))\\ &= B_{\bar{N}}(61)+B_{\bar{N}}(N-8)+B_{\bar{N}}(385)=61+(N-8)+385=\mathbf{N+438}\\ &(N\geq 385)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+437)} &= B_{\bar{N}}(2N+437-B_{\bar{N}}(2N+436))+B_{\bar{N}}(2N+437-B_{\bar{N}}(2N+435))+B_{\bar{N}}(2N+437-B_{\bar{N}}(2N+434))\\ &= B_{\bar{N}}(2N+437-(N+438))+B_{\bar{N}}(2N+437-(2N+375))+B_{\bar{N}}(2N+437-(N+444))\\ &= B_{\bar{N}}(N-1)+B_{\bar{N}}(62)+B_{\bar{N}}(N-7)=(N-1)+62+(N-7)=\mathbf{2N+54}\\ &(N\geq 310)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+438)} &= B_{\bar{N}}(2N+438-B_{\bar{N}}(2N+437))+B_{\bar{N}}(2N+438-B_{\bar{N}}(2N+436))+B_{\bar{N}}(2N+438-B_{\bar{N}}(2N+435))\\ &= B_{\bar{N}}(2N+438-(2N+54))+B_{\bar{N}}(2N+438-(N+438))+B_{\bar{N}}(2N+438-(2N+375))\\ &= B_{\bar{N}}(384)+B_{\bar{N}}(N)+B_{\bar{N}}(63)=384+N+63=\mathbf{N+447}\\ &(N\geq 384)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+439)} &= B_{\bar{N}}(2N+439-B_{\bar{N}}(2N+438))+B_{\bar{N}}(2N+439-B_{\bar{N}}(2N+437))+B_{\bar{N}}(2N+439-B_{\bar{N}}(2N+436))\\ &= B_{\bar{N}}(2N+439-(N+447))+B_{\bar{N}}(2N+439-(2N+54))+B_{\bar{N}}(2N+439-(N+438))\\ &= B_{\bar{N}}(N-8)+B_{\bar{N}}(385)+B_{\bar{N}}(N+1)=(N-8)+385+6=\mathbf{N+383}\\ &(N\geq 385)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+440)} &= B_{\bar{N}}(2N+440-B_{\bar{N}}(2N+439))+B_{\bar{N}}(2N+440-B_{\bar{N}}(2N+438))+B_{\bar{N}}(2N+440-B_{\bar{N}}(2N+437))\\ &= B_{\bar{N}}(2N+440-(N+383))+B_{\bar{N}}(2N+440-(N+447))+B_{\bar{N}}(2N+440-(2N+54))\\ &= B_{\bar{N}}(N+57)+B_{\bar{N}}(N-7)+B_{\bar{N}}(386)=(N+49)+(N-7)+386=\mathbf{2N+428}\\ &(N\geq 386)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+441)} &= B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+440))+B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+439))+B_{\bar{N}}(2N+441-B_{\bar{N}}(2N+438))\\ &= B_{\bar{N}}(2N+441-(2N+428))+B_{\bar{N}}(2N+441-(N+383))+B_{\bar{N}}(2N+441-(N+447))\\ &= B_{\bar{N}}(13)+B_{\bar{N}}(N+58)+B_{\bar{N}}(N-6)=13+(N+60)+(N-6)=\mathbf{2N+67}\\ &(N\geq 13)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+442)} &= B_{\bar{N}}(2N+442-B_{\bar{N}}(2N+441))+B_{\bar{N}}(2N+442-B_{\bar{N}}(2N+440))+B_{\bar{N}}(2N+442-B_{\bar{N}}(2N+439))\\ &= B_{\bar{N}}(2N+442-(2N+67))+B_{\bar{N}}(2N+442-(2N+428))+B_{\bar{N}}(2N+442-(N+383))\\ &= B_{\bar{N}}(375)+B_{\bar{N}}(14)+B_{\bar{N}}(N+59)=375+14+25=\mathbf{414}\\ &(N\geq 375)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+443)} &= B_{\bar{N}}(2N+443-B_{\bar{N}}(2N+442))+B_{\bar{N}}(2N+443-B_{\bar{N}}(2N+441))+B_{\bar{N}}(2N+443-B_{\bar{N}}(2N+440))\\ &= B_{\bar{N}}(2N+443-414)+B_{\bar{N}}(2N+443-(2N+67))+B_{\bar{N}}(2N+443-(2N+428))\\ &= B_{\bar{N}}(2N+29)+B_{\bar{N}}(376)+B_{\bar{N}}(15)=(2N+27)+376+15=\mathbf{2N+418}\\ &(N\geq 398)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+444)} &= B_{\bar{N}}(2N+444-B_{\bar{N}}(2N+443))+B_{\bar{N}}(2N+444-B_{\bar{N}}(2N+442))+B_{\bar{N}}(2N+444-B_{\bar{N}}(2N+441))\\ &= B_{\bar{N}}(2N+444-(2N+418))+B_{\bar{N}}(2N+444-414)+B_{\bar{N}}(2N+444-(2N+67))\\ &= B_{\bar{N}}(26)+B_{\bar{N}}(2N+30)+B_{\bar{N}}(377)=26+(2N+10)+377=\mathbf{2N+413}\\ &(N\geq 399)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+445)} &= B_{\bar{N}}(2N+445-B_{\bar{N}}(2N+444))+B_{\bar{N}}(2N+445-B_{\bar{N}}(2N+443))+B_{\bar{N}}(2N+445-B_{\bar{N}}(2N+442))\\ &= B_{\bar{N}}(2N+445-(2N+413))+B_{\bar{N}}(2N+445-(2N+418))+B_{\bar{N}}(2N+445-414)\\ &= B_{\bar{N}}(32)+B_{\bar{N}}(27)+B_{\bar{N}}(2N+31)=32+27+(2N+24)=\mathbf{2N+83}\\ &(N\geq 400)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+446)} &= B_{\bar{N}}(2N+446-B_{\bar{N}}(2N+445))+B_{\bar{N}}(2N+446-B_{\bar{N}}(2N+444))+B_{\bar{N}}(2N+446-B_{\bar{N}}(2N+443))\\ &= B_{\bar{N}}(2N+446-(2N+83))+B_{\bar{N}}(2N+446-(2N+413))+B_{\bar{N}}(2N+446-(2N+418))\\ &= B_{\bar{N}}(363)+B_{\bar{N}}(33)+B_{\bar{N}}(28)=363+33+28=\mathbf{424}\\ &(N\geq 363)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+447)} &= B_{\bar{N}}(2N+447-B_{\bar{N}}(2N+446))+B_{\bar{N}}(2N+447-B_{\bar{N}}(2N+445))+B_{\bar{N}}(2N+447-B_{\bar{N}}(2N+444))\\ &= B_{\bar{N}}(2N+447-424)+B_{\bar{N}}(2N+447-(2N+83))+B_{\bar{N}}(2N+447-(2N+413))\\ &= B_{\bar{N}}(2N+23)+B_{\bar{N}}(364)+B_{\bar{N}}(34)=(N+14)+364+34=\mathbf{N+412}\\ &(N\geq 414)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+448)} &= B_{\bar{N}}(2N+448-B_{\bar{N}}(2N+447))+B_{\bar{N}}(2N+448-B_{\bar{N}}(2N+446))+B_{\bar{N}}(2N+448-B_{\bar{N}}(2N+445))\\ &= B_{\bar{N}}(2N+448-(N+412))+B_{\bar{N}}(2N+448-424)+B_{\bar{N}}(2N+448-(2N+83))\\ &= B_{\bar{N}}(N+36)+B_{\bar{N}}(2N+24)+B_{\bar{N}}(365) = 36+(N+28)+365 = \mathbf{N+429}\\ &(N \geq 415)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+449)} &= B_{\bar{N}}(2N+449-B_{\bar{N}}(2N+448))+B_{\bar{N}}(2N+449-B_{\bar{N}}(2N+447))+B_{\bar{N}}(2N+449-B_{\bar{N}}(2N+446))\\ &= B_{\bar{N}}(2N+449-(N+429))+B_{\bar{N}}(2N+449-(N+412))+B_{\bar{N}}(2N+449-424)\\ &= B_{\bar{N}}(N+20)+B_{\bar{N}}(N+37)+B_{\bar{N}}(2N+25) = (N+15)+(N+37)+(3N+6) = \mathbf{5N+58}\\ &(N \geq 416)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+450)} &= B_{\bar{N}}(2N+450-B_{\bar{N}}(2N+449))+B_{\bar{N}}(2N+450-B_{\bar{N}}(2N+448))+B_{\bar{N}}(2N+450-B_{\bar{N}}(2N+447))\\ &= B_{\bar{N}}(2N+450-(5N+58))+B_{\bar{N}}(2N+450-(N+429))+B_{\bar{N}}(2N+450-(N+412))\\ &= B_{\bar{N}}(-3N+392)+B_{\bar{N}}(N+21)+B_{\bar{N}}(N+38) = 0+(N+16)+(2N+10) = \mathbf{3N+26}\\ &(N \geq 131)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+451)} &= B_{\bar{N}}(2N+451-B_{\bar{N}}(2N+450))+B_{\bar{N}}(2N+451-B_{\bar{N}}(2N+449))+B_{\bar{N}}(2N+451-B_{\bar{N}}(2N+448))\\ &= B_{\bar{N}}(2N+451-(3N+26))+B_{\bar{N}}(2N+451-(5N+58))+B_{\bar{N}}(2N+451-(N+429))\\ &= B_{\bar{N}}(-N+425)+B_{\bar{N}}(-3N+393)+B_{\bar{N}}(N+22) = 0+0+22 = \mathbf{22}\\ &(N \geq 425)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+452)} &= B_{\bar{N}}(2N+452-B_{\bar{N}}(2N+451))+B_{\bar{N}}(2N+452-B_{\bar{N}}(2N+450))+B_{\bar{N}}(2N+452-B_{\bar{N}}(2N+449))\\ &= B_{\bar{N}}(2N+452-22)+B_{\bar{N}}(2N+452-(3N+26))+B_{\bar{N}}(2N+452-(5N+58))\\ &= B_{\bar{N}}(2N+430)+B_{\bar{N}}(-N+426)+B_{\bar{N}}(-3N+394) = (N+441)+0+0 = \mathbf{N+441}\\ &(N \geq 426)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+453)} &= B_{\bar{N}}(2N+453-B_{\bar{N}}(2N+452))+B_{\bar{N}}(2N+453-B_{\bar{N}}(2N+451))+B_{\bar{N}}(2N+453-B_{\bar{N}}(2N+450))\\ &= B_{\bar{N}}(2N+453-(N+441))+B_{\bar{N}}(2N+453-22)+B_{\bar{N}}(2N+453-(3N+26))\\ &= B_{\bar{N}}(N+12)+B_{\bar{N}}(2N+431)+B_{\bar{N}}(-N+427)=(N+9)+(2N+372)+0=\mathbf{3N+381}\\ &(N\geq 427)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+454)} &= B_{\bar{N}}(2N+454-B_{\bar{N}}(2N+453))+B_{\bar{N}}(2N+454-B_{\bar{N}}(2N+452))+B_{\bar{N}}(2N+454-B_{\bar{N}}(2N+451))\\ &= B_{\bar{N}}(2N+454-(3N+381))+B_{\bar{N}}(2N+454-(N+441))+B_{\bar{N}}(2N+454-22)\\ &= B_{\bar{N}}(-N+73)+B_{\bar{N}}(N+13)+B_{\bar{N}}(2N+432)=0+15+(N+435)=\mathbf{N+450}\\ &(N\geq 382)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+455)} &= B_{\bar{N}}(2N+455-B_{\bar{N}}(2N+454))+B_{\bar{N}}(2N+455-B_{\bar{N}}(2N+453))+B_{\bar{N}}(2N+455-B_{\bar{N}}(2N+452))\\ &= B_{\bar{N}}(2N+455-(N+450))+B_{\bar{N}}(2N+455-(3N+381))+B_{\bar{N}}(2N+455-(N+441))\\ &= B_{\bar{N}}(N+5)+B_{\bar{N}}(-N+74)+B_{\bar{N}}(N+14)=9+0+(N+10)=\mathbf{N+19}\\ &(N\geq 856)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+456)} &= B_{\bar{N}}(2N+456-B_{\bar{N}}(2N+455))+B_{\bar{N}}(2N+456-B_{\bar{N}}(2N+454))+B_{\bar{N}}(2N+456-B_{\bar{N}}(2N+453))\\ &= B_{\bar{N}}(2N+456-(N+19))+B_{\bar{N}}(2N+456-(N+450))+B_{\bar{N}}(2N+456-(3N+381))\\ &= B_{\bar{N}}(N+437)+B_{\bar{N}}(N+6)+B_{\bar{N}}(-N+75)=7+(N+4)+0=\mathbf{N+11}\\ &(N\geq 863)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+457)} &= B_{\bar{N}}(2N+457-B_{\bar{N}}(2N+456))+B_{\bar{N}}(2N+457-B_{\bar{N}}(2N+455))+B_{\bar{N}}(2N+457-B_{\bar{N}}(2N+454))\\ &= B_{\bar{N}}(2N+457-(N+11))+B_{\bar{N}}(2N+457-(N+19))+B_{\bar{N}}(2N+457-(N+450))\\ &= B_{\bar{N}}(N+446)+B_{\bar{N}}(N+438)+B_{\bar{N}}(N+7)=(2N+56)+(2N+169)+(N+5)=\mathbf{5N+230}\\ &(N\geq 870)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+458)} &= B_{\bar{N}}(2N+458-B_{\bar{N}}(2N+457))+B_{\bar{N}}(2N+458-B_{\bar{N}}(2N+456))+B_{\bar{N}}(2N+458-B_{\bar{N}}(2N+455))\\ &= B_{\bar{N}}(2N+458-(5N+230))+B_{\bar{N}}(2N+458-(N+11))+B_{\bar{N}}(2N+458-(N+19))\\ &= B_{\bar{N}}(-3N+228)+B_{\bar{N}}(N+447)+B_{\bar{N}}(N+439)=0+(N-2)+(2N+55)=\mathbf{3N+53}\\ &(N\geq 247)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+459)} &= B_{\bar{N}}(2N+459-B_{\bar{N}}(2N+458))+B_{\bar{N}}(2N+459-B_{\bar{N}}(2N+457))+B_{\bar{N}}(2N+459-B_{\bar{N}}(2N+456))\\ &= B_{\bar{N}}(2N+459-(3N+53))+B_{\bar{N}}(2N+459-(5N+230))+B_{\bar{N}}(2N+459-(N+11))\\ &= B_{\bar{N}}(-N+406)+B_{\bar{N}}(-3N+229)+B_{\bar{N}}(N+448)=0+0+450=\mathbf{450}\\ &(N\geq 406)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+460)} &= B_{\bar{N}}(2N+460-B_{\bar{N}}(2N+459))+B_{\bar{N}}(2N+460-B_{\bar{N}}(2N+458))+B_{\bar{N}}(2N+460-B_{\bar{N}}(2N+457))\\ &= B_{\bar{N}}(2N+460-450)+B_{\bar{N}}(2N+460-(3N+53))+B_{\bar{N}}(2N+460-(5N+230))\\ &= B_{\bar{N}}(2N+10)+B_{\bar{N}}(-N+407)+B_{\bar{N}}(-3N+230)=\left(\frac{15N}{7}-\frac{59}{7}\right)+0+0=\mathbf{\frac{15N}{7}-\frac{59}{7}}\\ &(N\geq 600)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+461)} &= B_{\bar{N}}(2N+461-B_{\bar{N}}(2N+460))+B_{\bar{N}}(2N+461-B_{\bar{N}}(2N+459))+B_{\bar{N}}(2N+461-B_{\bar{N}}(2N+458))\\ &= B_{\bar{N}}\left(2N+461-\left(\frac{15N}{7}-\frac{59}{7}\right)\right)+B_{\bar{N}}(2N+461-450)+B_{\bar{N}}(2N+461-(3N+53))\\ &= B_{\bar{N}}\left(-\frac{N}{7}+\frac{3286}{7}\right)+B_{\bar{N}}(2N+11)+B_{\bar{N}}(-N+408)=0+(N-2)+0=\mathbf{N-2}\\ &(\mathbf{N\geq 3286})\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+462)} = B_{\bar{N}}(2N+462-B_{\bar{N}}(2N+461)) + B_{\bar{N}}(2N+462-B_{\bar{N}}(2N+460)) + B_{\bar{N}}(2N+462-B_{\bar{N}}(2N+459))$$
$$= B_{\bar{N}}(2N+462-(N-2)) + B_{\bar{N}}\left(2N+462-\left(\frac{15N}{7}-\frac{59}{7}\right)\right) + B_{\bar{N}}(2N+462-450)$$
$$= B_{\bar{N}}(N+464) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{3293}{7}\right) + B_{\bar{N}}(2N+12) = (N+466)+0+(N+10) = \mathbf{2N+476}$$
$$(\mathbf{N \geq 3293})$$

$$\mathbf{B_{\bar{N}}(2N+463)} = B_{\bar{N}}(2N+463-B_{\bar{N}}(2N+462)) + B_{\bar{N}}(2N+463-B_{\bar{N}}(2N+461)) + B_{\bar{N}}(2N+463-B_{\bar{N}}(2N+460))$$
$$= B_{\bar{N}}(2N+463-(2N+476)) + B_{\bar{N}}(2N+463-(N-2)) + B_{\bar{N}}\left(2N+463-\left(\frac{15N}{7}-\frac{59}{7}\right)\right)$$
$$= B_{\bar{N}}(-13) + B_{\bar{N}}(N+465) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{3300}{7}\right) = 0+7+0 = \mathbf{7}$$
$$(\mathbf{N \geq 3300})$$

$$\mathbf{B_{\bar{N}}(2N+464)} = B_{\bar{N}}(2N+464-B_{\bar{N}}(2N+463)) + B_{\bar{N}}(2N+464-B_{\bar{N}}(2N+462)) + B_{\bar{N}}(2N+464-B_{\bar{N}}(2N+461))$$
$$= B_{\bar{N}}(2N+464-7) + B_{\bar{N}}(2N+464-(2N+476)) + B_{\bar{N}}(2N+464-(N-2))$$
$$= B_{\bar{N}}(2N+457) + B_{\bar{N}}(-12) + B_{\bar{N}}(N+466) = (5N+230)+0+(2N+177) = \mathbf{7N+407}$$
$$(N \geq 603)$$

$$\mathbf{B_{\bar{N}}(2N+465)} = B_{\bar{N}}(2N+465-B_{\bar{N}}(2N+464)) + B_{\bar{N}}(2N+465-B_{\bar{N}}(2N+463)) + B_{\bar{N}}(2N+465-B_{\bar{N}}(2N+462))$$
$$= B_{\bar{N}}(2N+465-(7N+407)) + B_{\bar{N}}(2N+465-7) + B_{\bar{N}}(2N+465-(2N+476))$$
$$= B_{\bar{N}}(-5N+58) + B_{\bar{N}}(2N+458) + B_{\bar{N}}(-11) = 0+(3N+53)+0 = \mathbf{3N+53}$$
$$(N \geq 2095)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+466)} &= B_{\bar{N}}(2N+466-B_{\bar{N}}(2N+465))+B_{\bar{N}}(2N+466-B_{\bar{N}}(2N+464))+B_{\bar{N}}(2N+466-B_{\bar{N}}(2N+463))\\ &= B_{\bar{N}}(2N+466-(3N+53))+B_{\bar{N}}(2N+466-(7N+407))+B_{\bar{N}}(2N+466-7)\\ &= B_{\bar{N}}(-N+413)+B_{\bar{N}}(-5N+59)+B_{\bar{N}}(2N+459)=0+0+450=\mathbf{450}\\ &(N\geq 2102)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+467)} &= B_{\bar{N}}(2N+467-B_{\bar{N}}(2N+466))+B_{\bar{N}}(2N+467-B_{\bar{N}}(2N+465))+B_{\bar{N}}(2N+467-B_{\bar{N}}(2N+464))\\ &= B_{\bar{N}}(2N+467-450)+B_{\bar{N}}(2N+467-(3N+53))+B_{\bar{N}}(2N+467-(7N+407))\\ &= B_{\bar{N}}(2N+17)+B_{\bar{N}}(-N+414)+B_{\bar{N}}(-5N+60)=(2N+16)+0+0=\mathbf{2N+16}\\ &(N\geq 2109)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+468)} &= B_{\bar{N}}(2N+468-B_{\bar{N}}(2N+467))+B_{\bar{N}}(2N+468-B_{\bar{N}}(2N+466))+B_{\bar{N}}(2N+468-B_{\bar{N}}(2N+465))\\ &= B_{\bar{N}}(2N+468-(2N+16))+B_{\bar{N}}(2N+468-450)+B_{\bar{N}}(2N+468-(3N+53))\\ &= B_{\bar{N}}(452)+B_{\bar{N}}(2N+18)+B_{\bar{N}}(-N+415)=452+29+0=\mathbf{481}\\ &(N\geq 541)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+469)} &= B_{\bar{N}}(2N+469-B_{\bar{N}}(2N+468))+B_{\bar{N}}(2N+469-B_{\bar{N}}(2N+467))+B_{\bar{N}}(2N+469-B_{\bar{N}}(2N+466))\\ &= B_{\bar{N}}(2N+469-481)+B_{\bar{N}}(2N+469-(2N+16))+B_{\bar{N}}(2N+469-450)\\ &= B_{\bar{N}}(2N-12)+B_{\bar{N}}(453)+B_{\bar{N}}(2N+19)=\left(\frac{15N}{7}-\frac{66}{7}\right)+453+(N+8)=\mathbf{\frac{22N}{7}+\frac{3161}{7}}\\ &(N\geq 540)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+470)} &= B_{\bar{N}}(2N+470-B_{\bar{N}}(2N+469))+B_{\bar{N}}(2N+470-B_{\bar{N}}(2N+468))+B_{\bar{N}}(2N+470-B_{\bar{N}}(2N+467))\\ &= B_{\bar{N}}\left(2N+470-\left(\frac{22N}{7}+\frac{3161}{7}\right)\right)+B_{\bar{N}}(2N+470-481)+B_{\bar{N}}(2N+470-(2N+16))\\ &= B_{\bar{N}}\left(-\frac{8N}{7}+\frac{129}{7}\right)+B_{\bar{N}}(2N-11)+B_{\bar{N}}(454)=0+(N-2)+454=\mathbf{N+452}\\ &(N\geq 539)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+471)} = B_{\bar{N}}(2N+471-B_{\bar{N}}(2N+470)) + B_{\bar{N}}(2N+471-B_{\bar{N}}(2N+469)) + B_{\bar{N}}(2N+471-B_{\bar{N}}(2N+468))$$
$$= B_{\bar{N}}(2N+471-(N+452)) + B_{\bar{N}}\left(2N+471-\left(\frac{22N}{7}+\frac{3161}{7}\right)\right) + B_{\bar{N}}(2N+471-481)$$
$$= B_{\bar{N}}(N+19) + B_{\bar{N}}\left(-\frac{8N}{7}+\frac{136}{7}\right) + B_{\bar{N}}(2N-10) = (N+13)+0+(N-8) = \mathbf{2N+5}$$
$$(N \geq 77)$$

$$\mathbf{B_{\bar{N}}(2N+472)} = B_{\bar{N}}(2N+472-B_{\bar{N}}(2N+471)) + B_{\bar{N}}(2N+472-B_{\bar{N}}(2N+470)) + B_{\bar{N}}(2N+472-B_{\bar{N}}(2N+469))$$
$$= B_{\bar{N}}(2N+472-(2N+5)) + B_{\bar{N}}(2N+472-(N+452)) + B_{\bar{N}}\left(2N+472-\left(\frac{22N}{7}+\frac{3161}{7}\right)\right)$$
$$= B_{\bar{N}}(467) + B_{\bar{N}}(N+20) + B_{\bar{N}}\left(-\frac{8N}{7}+\frac{143}{7}\right) = 467+(N+15)+0 = \mathbf{N+482}$$
$$(N \geq 467)$$

$$\mathbf{B_{\bar{N}}(2N+473)} = B_{\bar{N}}(2N+473-B_{\bar{N}}(2N+472)) + B_{\bar{N}}(2N+473-B_{\bar{N}}(2N+471)) + B_{\bar{N}}(2N+473-B_{\bar{N}}(2N+470))$$
$$= B_{\bar{N}}(2N+473-(N+482)) + B_{\bar{N}}(2N+473-(2N+5)) + B_{\bar{N}}(2N+473-(N+452))$$
$$= B_{\bar{N}}(N-9) + B_{\bar{N}}(468) + B_{\bar{N}}(N+21) = (N-9)+468+(N+16) = \mathbf{2N+475}$$
$$(N \geq 468)$$

$$\mathbf{B_{\bar{N}}(2N+474)} = B_{\bar{N}}(2N+474-B_{\bar{N}}(2N+473)) + B_{\bar{N}}(2N+474-B_{\bar{N}}(2N+472)) + B_{\bar{N}}(2N+474-B_{\bar{N}}(2N+471))$$
$$= B_{\bar{N}}(2N+474-(2N+475)) + B_{\bar{N}}(2N+474-(N+482)) + B_{\bar{N}}(2N+474-(2N+5))$$
$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-8) + B_{\bar{N}}(469) = 0+(N-8)+469 = \mathbf{N+461}$$
$$(N \geq 469)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+475)} &= B_{\bar{N}}(2N+475-B_{\bar{N}}(2N+474))+B_{\bar{N}}(2N+475-B_{\bar{N}}(2N+473))+B_{\bar{N}}(2N+475-B_{\bar{N}}(2N+472))\\ &= B_{\bar{N}}(2N+475-(N+461))+B_{\bar{N}}(2N+475-(2N+475))+B_{\bar{N}}(2N+475-(N+482))\\ &= B_{\bar{N}}(N+14)+B_{\bar{N}}(0)+B_{\bar{N}}(N-7)=(N+10)+0+(N-7)=\mathbf{2N+3}\\ &(N\geq 122)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+476)} &= B_{\bar{N}}(2N+476-B_{\bar{N}}(2N+475))+B_{\bar{N}}(2N+476-B_{\bar{N}}(2N+474))+B_{\bar{N}}(2N+476-B_{\bar{N}}(2N+473))\\ &= B_{\bar{N}}(2N+476-(2N+3))+B_{\bar{N}}(2N+476-(N+461))+B_{\bar{N}}(2N+476-(2N+475))\\ &= B_{\bar{N}}(473)+B_{\bar{N}}(N+15)+B_{\bar{N}}(1)=473+(N+11)+1=\mathbf{N+485}\\ &(N\geq 473)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+477)} &= B_{\bar{N}}(2N+477-B_{\bar{N}}(2N+476))+B_{\bar{N}}(2N+477-B_{\bar{N}}(2N+475))+B_{\bar{N}}(2N+477-B_{\bar{N}}(2N+474))\\ &= B_{\bar{N}}(2N+477-(N+485))+B_{\bar{N}}(2N+477-(2N+3))+B_{\bar{N}}(2N+477-(N+461))\\ &= B_{\bar{N}}(N-8)+B_{\bar{N}}(474)+B_{\bar{N}}(N+16)=(N-8)+474+17=\mathbf{N+483}\\ &(N\geq 474)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+478)} &= B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+477))+B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+476))+B_{\bar{N}}(2N+478-B_{\bar{N}}(2N+475))\\ &= B_{\bar{N}}(2N+478-(N+483))+B_{\bar{N}}(2N+478-(N+485))+B_{\bar{N}}(2N+478-(2N+3))\\ &= B_{\bar{N}}(N-5)+B_{\bar{N}}(N-7)+B_{\bar{N}}(475)=(N-5)+(N-7)+475=\mathbf{2N+463}\\ &(N\geq 475)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+479)} &= B_{\bar{N}}(2N+479-B_{\bar{N}}(2N+478))+B_{\bar{N}}(2N+479-B_{\bar{N}}(2N+477))+B_{\bar{N}}(2N+479-B_{\bar{N}}(2N+476))\\ &= B_{\bar{N}}(2N+479-(2N+463))+B_{\bar{N}}(2N+479-(N+483))+B_{\bar{N}}(2N+479-(N+485))\\ &= B_{\bar{N}}(16)+B_{\bar{N}}(N-4)+B_{\bar{N}}(N-6)=16+(N-4)+(N-6)=\mathbf{2N+6}\\ &(N\geq 16)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+480)} &= B_{\bar{N}}(2N+480-B_{\bar{N}}(2N+479))+B_{\bar{N}}(2N+480-B_{\bar{N}}(2N+478))+B_{\bar{N}}(2N+480-B_{\bar{N}}(2N+477))\\ &= B_{\bar{N}}(2N+480-(2N+6))+B_{\bar{N}}(2N+480-(2N+463))+B_{\bar{N}}(2N+480-(N+483))\\ &= B_{\bar{N}}(474)+B_{\bar{N}}(17)+B_{\bar{N}}(N-3)=474+17+(N-3)=\mathbf{N+488}\\ &(N\geq 474)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+481)} &= B_{\bar{N}}(2N+481-B_{\bar{N}}(2N+480))+B_{\bar{N}}(2N+481-B_{\bar{N}}(2N+479))+B_{\bar{N}}(2N+481-B_{\bar{N}}(2N+478))\\ &= B_{\bar{N}}(2N+481-(N+488))+B_{\bar{N}}(2N+481-(2N+6))+B_{\bar{N}}(2N+481-(2N+463))\\ &= B_{\bar{N}}(N-7)+B_{\bar{N}}(475)+B_{\bar{N}}(18)=(N-7)+475+18=\mathbf{N+486}\\ &(N\geq 475)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+482)} &= B_{\bar{N}}(2N+482-B_{\bar{N}}(2N+481))+B_{\bar{N}}(2N+482-B_{\bar{N}}(2N+480))+B_{\bar{N}}(2N+482-B_{\bar{N}}(2N+479))\\ &= B_{\bar{N}}(2N+482-(N+486))+B_{\bar{N}}(2N+482-(N+488))+B_{\bar{N}}(2N+482-(2N+6))\\ &= B_{\bar{N}}(N-4)+B_{\bar{N}}(N-6)+B_{\bar{N}}(476)=(N-4)+(N-6)+476=\mathbf{2N+466}\\ &(N\geq 476)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+483)} &= B_{\bar{N}}(2N+483-B_{\bar{N}}(2N+482))+B_{\bar{N}}(2N+483-B_{\bar{N}}(2N+481))+B_{\bar{N}}(2N+483-B_{\bar{N}}(2N+480))\\ &= B_{\bar{N}}(2N+483-(2N+466))+B_{\bar{N}}(2N+483-(N+486))+B_{\bar{N}}(2N+483-(N+488))\\ &= B_{\bar{N}}(17)+B_{\bar{N}}(N-3)+B_{\bar{N}}(N-5)=17+(N-3)+(N-5)=\mathbf{2N+9}\\ &(N\geq 104)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+484)} &= B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+483))+B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+482))+B_{\bar{N}}(2N+484-B_{\bar{N}}(2N+481))\\ &= B_{\bar{N}}(2N+484-(2N+9))+B_{\bar{N}}(2N+484-(2N+466))+B_{\bar{N}}(2N+484-(N+486))\\ &= B_{\bar{N}}(475)+B_{\bar{N}}(18)+B_{\bar{N}}(N-2)=475+18+(N-2)=\mathbf{N+491}\\ &(N\geq 475)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+485)} &= B_{\bar{N}}(2N+485-B_{\bar{N}}(2N+484))+B_{\bar{N}}(2N+485-B_{\bar{N}}(2N+483))+B_{\bar{N}}(2N+485-B_{\bar{N}}(2N+482))\\ &= B_{\bar{N}}(2N+485-(N+491))+B_{\bar{N}}(2N+485-(2N+9))+B_{\bar{N}}(2N+485-(2N+466))\\ &= B_{\bar{N}}(N-6)+B_{\bar{N}}(476)+B_{\bar{N}}(19)=(N-6)+476+19=\mathbf{N+489}\\ &(N\geq 476)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+486)} &= B_{\bar{N}}(2N+486-B_{\bar{N}}(2N+485))+B_{\bar{N}}(2N+486-B_{\bar{N}}(2N+484))+B_{\bar{N}}(2N+486-B_{\bar{N}}(2N+483))\\ &= B_{\bar{N}}(2N+486-(N+489))+B_{\bar{N}}(2N+486-(N+491))+B_{\bar{N}}(2N+486-(2N+9))\\ &= B_{\bar{N}}(N-3)+B_{\bar{N}}(N-5)+B_{\bar{N}}(477)=(N-3)+(N-5)+477=\mathbf{2N+469}\\ &(N\geq 477)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+487)} &= B_{\bar{N}}(2N+487-B_{\bar{N}}(2N+486))+B_{\bar{N}}(2N+487-B_{\bar{N}}(2N+485))+B_{\bar{N}}(2N+487-B_{\bar{N}}(2N+484))\\ &= B_{\bar{N}}(2N+487-(2N+469))+B_{\bar{N}}(2N+487-(N+489))+B_{\bar{N}}(2N+487-(N+491))\\ &= B_{\bar{N}}(18)+B_{\bar{N}}(N-2)+B_{\bar{N}}(N-4)=18+(N-2)+(N-4)=\mathbf{2N+12}\\ &(N\geq 476)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+488)} &= B_{\bar{N}}(2N+488-B_{\bar{N}}(2N+487))+B_{\bar{N}}(2N+488-B_{\bar{N}}(2N+486))+B_{\bar{N}}(2N+488-B_{\bar{N}}(2N+485))\\ &= B_{\bar{N}}(2N+488-(2N+12))+B_{\bar{N}}(2N+488-(2N+469))+B_{\bar{N}}(2N+488-(N+489))\\ &= B_{\bar{N}}(476)+B_{\bar{N}}(19)+B_{\bar{N}}(N-1)=476+19+(N-1)=\mathbf{N+494}\\ &(N\geq 503)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+489)} &= B_{\bar{N}}(2N+489-B_{\bar{N}}(2N+488))+B_{\bar{N}}(2N+489-B_{\bar{N}}(2N+487))+B_{\bar{N}}(2N+489-B_{\bar{N}}(2N+486))\\ &= B_{\bar{N}}(2N+489-(N+494))+B_{\bar{N}}(2N+489-(2N+12))+B_{\bar{N}}(2N+489-(2N+469))\\ &= B_{\bar{N}}(N-5)+B_{\bar{N}}(477)+B_{\bar{N}}(20)=(N-5)+477+20=\mathbf{N+492}\\ &(N\geq 506)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+490)} &= B_{\bar{N}}(2N+490-B_{\bar{N}}(2N+489))+B_{\bar{N}}(2N+490-B_{\bar{N}}(2N+488))+B_{\bar{N}}(2N+490-B_{\bar{N}}(2N+487))\\ &= B_{\bar{N}}(2N+490-(N+492))+B_{\bar{N}}(2N+490-(N+494))+B_{\bar{N}}(2N+490-(2N+12))\\ &= B_{\bar{N}}(N-2)+B_{\bar{N}}(N-4)+B_{\bar{N}}(478)=(N-2)+(N-4)+478=\mathbf{2N+472}\\ &(N\geq 510)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+491)} &= B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+490))+B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+489))+B_{\bar{N}}(2N+491-B_{\bar{N}}(2N+488))\\ &= B_{\bar{N}}(2N+491-(2N+472))+B_{\bar{N}}(2N+491-(N+492))+B_{\bar{N}}(2N+491-(N+494))\\ &= B_{\bar{N}}(19)+B_{\bar{N}}(N-1)+B_{\bar{N}}(N-3)=19+(N-1)+(N-3)=\mathbf{2N+15}\\ &(N\geq 477)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+492)} &= B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+491))+B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+490))+B_{\bar{N}}(2N+492-B_{\bar{N}}(2N+489))\\ &= B_{\bar{N}}(2N+492-(2N+15))+B_{\bar{N}}(2N+492-(2N+472))+B_{\bar{N}}(2N+492-(N+492))\\ &= B_{\bar{N}}(477)+B_{\bar{N}}(20)+B_{\bar{N}}(N)=477+20+N=\mathbf{N+497}\\ &(N\geq 478)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+493)} &= B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+492))+B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+491))+B_{\bar{N}}(2N+493-B_{\bar{N}}(2N+490))\\ &= B_{\bar{N}}(2N+493-(N+497))+B_{\bar{N}}(2N+493-(2N+15))+B_{\bar{N}}(2N+493-(2N+472))\\ &= B_{\bar{N}}(N-4)+B_{\bar{N}}(478)+B_{\bar{N}}(21)=(N-4)+478+21=\mathbf{N+495}\\ &(N\geq 479)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+494)} &= B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+493))+B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+492))+B_{\bar{N}}(2N+494-B_{\bar{N}}(2N+491))\\ &= B_{\bar{N}}(2N+494-(N+495))+B_{\bar{N}}(2N+494-(N+497))+B_{\bar{N}}(2N+494-(2N+15))\\ &= B_{\bar{N}}(N-1)+B_{\bar{N}}(N-3)+B_{\bar{N}}(479)=(N-1)+(N-3)+479=\mathbf{2N+475}\\ &(N\geq 479)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+495)} &= B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+494))+B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+493))+B_{\bar{N}}(2N+495-B_{\bar{N}}(2N+492))\\ &= B_{\bar{N}}(2N+495-(2N+475))+B_{\bar{N}}(2N+495-(N+495))+B_{\bar{N}}(2N+495-(N+497))\\ &= B_{\bar{N}}(20)+B_{\bar{N}}(N)+B_{\bar{N}}(N-2)=20+N+(N-2)=\mathbf{2N+18}\\ &(N\geq 484)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+496)} &= B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+495))+B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+494))+B_{\bar{N}}(2N+496-B_{\bar{N}}(2N+493))\\ &= B_{\bar{N}}(2N+496-(2N+18))+B_{\bar{N}}(2N+496-(2N+475))+B_{\bar{N}}(2N+496-(N+495))\\ &= B_{\bar{N}}(478)+B_{\bar{N}}(21)+B_{\bar{N}}(N+1)=478+21+6=\mathbf{505}\\ &(N\geq 496)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+497)} &= B_{\bar{N}}(2N+497-B_{\bar{N}}(2N+496))+B_{\bar{N}}(2N+497-B_{\bar{N}}(2N+495))+B_{\bar{N}}(2N+497-B_{\bar{N}}(2N+494))\\ &= B_{\bar{N}}(2N+497-505)+B_{\bar{N}}(2N+497-(2N+18))+B_{\bar{N}}(2N+497-(2N+475))\\ &= B_{\bar{N}}(2N-8)+B_{\bar{N}}(479)+B_{\bar{N}}(22)=(2N-6)+479+22=\mathbf{2N+495}\\ &(N\geq 497)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+498)} &= B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+497))+B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+496))+B_{\bar{N}}(2N+498-B_{\bar{N}}(2N+495))\\ &= B_{\bar{N}}(2N+498-(2N+495))+B_{\bar{N}}(2N+498-505)+B_{\bar{N}}(2N+498-(2N+18))\\ &= B_{\bar{N}}(3)+B_{\bar{N}}(2N-7)+B_{\bar{N}}(480)=3+7+480=\mathbf{490}\\ &(N\geq 498)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+499)} &= B_{\bar{N}}(2N+499-B_{\bar{N}}(2N+498))+B_{\bar{N}}(2N+499-B_{\bar{N}}(2N+497))+B_{\bar{N}}(2N+499-B_{\bar{N}}(2N+496))\\ &= B_{\bar{N}}(2N+499-490)+B_{\bar{N}}(2N+499-(2N+495))+B_{\bar{N}}(2N+499-505)\\ &= B_{\bar{N}}(2N+9)+B_{\bar{N}}(4)+B_{\bar{N}}(2N-6)=\left(\frac{32N}{7}+\frac{590}{7}\right)+4+\left(\frac{16N}{7}+\frac{295}{7}\right)=\mathbf{\frac{48N}{7}+\frac{913}{7}}\\ &(N\geq 73)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+500)} = B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+499)) + B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+498)) + B_{\bar{N}}(2N+500-B_{\bar{N}}(2N+497))$$
$$= B_{\bar{N}}\left(2N+500-\left(\frac{48N}{7}+\frac{913}{7}\right)\right) + B_{\bar{N}}(2N+500-490) + B_{\bar{N}}(2N+500-(2N+495))$$
$$= B_{\bar{N}}\left(-\frac{34N}{7}+\frac{2587}{7}\right) + B_{\bar{N}}(2N+10) + B_{\bar{N}}(5) = 0 + \left(\frac{15N}{7}-\frac{59}{7}\right) + 5 = \mathbf{\frac{15N}{7}-\frac{24}{7}}$$
$$(N \geq 77)$$

$$\mathbf{B_{\bar{N}}(2N+501)} = B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+500)) + B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+499)) + B_{\bar{N}}(2N+501-B_{\bar{N}}(2N+498))$$
$$= B_{\bar{N}}\left(2N+501-\left(\frac{15N}{7}-\frac{24}{7}\right)\right) + B_{\bar{N}}\left(2N+501-\left(\frac{48N}{7}+\frac{913}{7}\right)\right) + B_{\bar{N}}(2N+501-490)$$
$$= B_{\bar{N}}\left(-\frac{N}{7}+\frac{3531}{7}\right) + B_{\bar{N}}\left(-\frac{34N}{7}+\frac{2594}{7}\right) + B_{\bar{N}}(2N+11) = 0+0+(N-2) = \mathbf{N-2}$$
$$(\mathbf{N \geq 3531})$$

$$\mathbf{B_{\bar{N}}(2N+502)} = B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+501)) + B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+500)) + B_{\bar{N}}(2N+502-B_{\bar{N}}(2N+499))$$
$$= B_{\bar{N}}(2N+502-(N-2)) + B_{\bar{N}}\left(2N+502-\left(\frac{15N}{7}-\frac{24}{7}\right)\right) + B_{\bar{N}}\left(2N+502-\left(\frac{48N}{7}+\frac{913}{7}\right)\right)$$
$$= B_{\bar{N}}(N+504) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{3538}{7}\right) + B_{\bar{N}}\left(-\frac{34N}{7}+\frac{2601}{7}\right) = 506+0+0 = \mathbf{506}$$
$$(\mathbf{N \geq 3538})$$

$$\mathbf{B_{\bar{N}}(2N+503)} = B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+502)) + B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+501)) + B_{\bar{N}}(2N+503-B_{\bar{N}}(2N+500))$$
$$= B_{\bar{N}}(2N+503-506) + B_{\bar{N}}(2N+503-(N-2)) + B_{\bar{N}}\left(2N+503-\left(\frac{15N}{7}-\frac{24}{7}\right)\right)$$
$$= B_{\bar{N}}(2N-3) + B_{\bar{N}}(N+505) + B_{\bar{N}}\left(-\frac{N}{7}+\frac{3545}{7}\right) = (N-1)+(N+506)+0 = \mathbf{2N+505}$$
$$(\mathbf{N \geq 3545})$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+504)} &= B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+503))+B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+502))+B_{\bar{N}}(2N+504-B_{\bar{N}}(2N+501))\\ &= B_{\bar{N}}(2N+504-(2N+505))+B_{\bar{N}}(2N+504-506)+B_{\bar{N}}(2N+504-(N-2))\\ &= B_{\bar{N}}(-1)+B_{\bar{N}}(2N-2)+B_{\bar{N}}(N+506)=0+(2N-1)+(N+508)=\mathbf{3N+507}\\ &(N\geq 427)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+505)} &= B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+504))+B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+503))+B_{\bar{N}}(2N+505-B_{\bar{N}}(2N+502))\\ &= B_{\bar{N}}(2N+505-(3N+507))+B_{\bar{N}}(2N+505-(2N+505))+B_{\bar{N}}(2N+505-506)\\ &= B_{\bar{N}}(-N-2)+B_{\bar{N}}(0)+B_{\bar{N}}(2N-1)=0+0+(N+6)=\mathbf{N+6}\\ &(N\geq 428)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+506)} &= B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+505))+B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+504))+B_{\bar{N}}(2N+506-B_{\bar{N}}(2N+503))\\ &= B_{\bar{N}}(2N+506-(N+6))+B_{\bar{N}}(2N+506-(3N+507))+B_{\bar{N}}(2N+506-(2N+505))\\ &= B_{\bar{N}}(N+500)+B_{\bar{N}}(-N-1)+B_{\bar{N}}(1)=7+0+1=\mathbf{8}\\ &(N\geq 488)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+507)} &= B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+506))+B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+505))+B_{\bar{N}}(2N+507-B_{\bar{N}}(2N+504))\\ &= B_{\bar{N}}(2N+507-8)+B_{\bar{N}}(2N+507-(N+6))+B_{\bar{N}}(2N+507-(3N+507))\\ &= B_{\bar{N}}(2N+499)+B_{\bar{N}}(N+501)+B_{\bar{N}}(-N)=\left(\frac{48N}{7}+\frac{913}{7}\right)+(2N+187)+0=\mathbf{\frac{62N}{7}+\frac{2222}{7}}\\ &(N\geq 487)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+508)} &= B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+507))+B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+506))+B_{\bar{N}}(2N+508-B_{\bar{N}}(2N+505))\\ &= B_{\bar{N}}\left(2N+508-\left(\frac{62N}{7}+\frac{2222}{7}\right)\right)+B_{\bar{N}}(2N+508-8)+B_{\bar{N}}(2N+508-(N+6))\\ &= B_{\bar{N}}\left(-\frac{48N}{7}+\frac{1334}{7}\right)+B_{\bar{N}}(2N+500)+B_{\bar{N}}(N+502)=0+\left(\frac{15N}{7}-\frac{24}{7}\right)+(2N+64)=\mathbf{\frac{29N}{7}+\frac{424}{7}}\\ &(N\geq 486)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+509)} = B_{\bar{N}}(2N+509-B_{\bar{N}}(2N+508)) + B_{\bar{N}}(2N+509-B_{\bar{N}}(2N+507)) + B_{\bar{N}}(2N+509-B_{\bar{N}}(2N+506))$$
$$= B_{\bar{N}}\left(2N+509-\left(\frac{29N}{7}+\frac{424}{7}\right)\right) + B_{\bar{N}}\left(2N+509-\left(\frac{62N}{7}+\frac{2222}{7}\right)\right) + B_{\bar{N}}(2N+509-8)$$
$$= B_{\bar{N}}\left(-\frac{15N}{7}+\frac{3139}{7}\right) + B_{\bar{N}}\left(-\frac{48N}{7}+\frac{1341}{7}\right) + B_{\bar{N}}(2N+501) = 0+0+(N-2) = \mathbf{N-2}$$
$$(N \geq 462)$$

$$\mathbf{B_{\bar{N}}(2N+510)} = B_{\bar{N}}(2N+510-B_{\bar{N}}(2N+509)) + B_{\bar{N}}(2N+510-B_{\bar{N}}(2N+508)) + B_{\bar{N}}(2N+510-B_{\bar{N}}(2N+507))$$
$$= B_{\bar{N}}(2N+510-(N-2)) + B_{\bar{N}}\left(2N+510-\left(\frac{29N}{7}+\frac{424}{7}\right)\right) + B_{\bar{N}}\left(2N+510-\left(\frac{62N}{7}+\frac{2222}{7}\right)\right)$$
$$= B_{\bar{N}}(N+512) + B_{\bar{N}}\left(-\frac{15N}{7}+\frac{3146}{7}\right) + B_{\bar{N}}\left(-\frac{48N}{7}+\frac{1348}{7}\right) = (N+513)+0+0 = \mathbf{N+513}$$
$$(N \geq 463)$$

$$\mathbf{B_{\bar{N}}(2N+511)} = B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+510)) + B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+509)) + B_{\bar{N}}(2N+511-B_{\bar{N}}(2N+508))$$
$$= B_{\bar{N}}(2N+511-(N+513)) + B_{\bar{N}}(2N+511-(N-2)) + B_{\bar{N}}\left(2N+511-\left(\frac{29N}{7}+\frac{424}{7}\right)\right)$$
$$= B_{\bar{N}}(N-2) + B_{\bar{N}}(N+513) + B_{\bar{N}}\left(-\frac{15N}{7}+\frac{3153}{7}\right) = (N-2)+(N+515)+0 = \mathbf{2N+513}$$
$$(N \geq 211)$$

$$\mathbf{B_{\bar{N}}(2N+512)} = B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+511)) + B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+510)) + B_{\bar{N}}(2N+512-B_{\bar{N}}(2N+509))$$
$$= B_{\bar{N}}(2N+512-(2N+513)) + B_{\bar{N}}(2N+512-(N+513)) + B_{\bar{N}}(2N+512-(N-2))$$
$$= B_{\bar{N}}(-1) + B_{\bar{N}}(N-1) + B_{\bar{N}}(N+514) = 0+(N-1)+7 = \mathbf{N+6}$$
$$(N \geq 186)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+513)} &= B_{\bar{N}}(2N+513-B_{\bar{N}}(2N+512))+B_{\bar{N}}(2N+513-B_{\bar{N}}(2N+511))+B_{\bar{N}}(2N+513-B_{\bar{N}}(2N+510))\\ &= B_{\bar{N}}(2N+513-(N+6))+B_{\bar{N}}(2N+513-(2N+513))+B_{\bar{N}}(2N+513-(N+513))\\ &= B_{\bar{N}}(N+507)+B_{\bar{N}}(0)+B_{\bar{N}}(N)=7+0+N=\mathbf{N+7}\\ &(N\geq 187)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+514)} &= B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+513))+B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+512))+B_{\bar{N}}(2N+514-B_{\bar{N}}(2N+511))\\ &= B_{\bar{N}}(2N+514-(N+7))+B_{\bar{N}}(2N+514-(N+6))+B_{\bar{N}}(2N+514-(2N+513))\\ &= B_{\bar{N}}(N+507)+B_{\bar{N}}(N+508)+B_{\bar{N}}(1)=7+(2N+189)+1=\mathbf{2N+197}\\ &(N\geq 1423)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+515)} &= B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+514))+B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+513))+B_{\bar{N}}(2N+515-B_{\bar{N}}(2N+512))\\ &= B_{\bar{N}}(2N+515-(2N+197))+B_{\bar{N}}(2N+515-(N+7))+B_{\bar{N}}(2N+515-(N+6))\\ &= B_{\bar{N}}(318)+B_{\bar{N}}(N+508)+B_{\bar{N}}(N+509)=318+(2N+189)+(2N+65)=\mathbf{4N+572}\\ &(N\geq 3138)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+516)} &= B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+515))+B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+514))+B_{\bar{N}}(2N+516-B_{\bar{N}}(2N+513))\\ &= B_{\bar{N}}(2N+516-(4N+572))+B_{\bar{N}}(2N+516-(2N+197))+B_{\bar{N}}(2N+516-(N+7))\\ &= B_{\bar{N}}(-2N-56)+B_{\bar{N}}(319)+B_{\bar{N}}(N+509)=0+319+(2N+65)=\mathbf{2N+384}\\ &(N\geq 3145)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+517)} &= B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+516))+B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+515))+B_{\bar{N}}(2N+517-B_{\bar{N}}(2N+514))\\ &= B_{\bar{N}}(2N+517-(2N+384))+B_{\bar{N}}(2N+517-(4N+572))+B_{\bar{N}}(2N+517-(2N+197))\\ &= B_{\bar{N}}(133)+B_{\bar{N}}(-2N-55)+B_{\bar{N}}(320)=133+0+320=\mathbf{453}\\ &(N\geq 3152)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+518)} &= B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+517))+B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+516))+B_{\bar{N}}(2N+518-B_{\bar{N}}(2N+515))\\ &= B_{\bar{N}}(2N+518-453)+B_{\bar{N}}(2N+518-(2N+384))+B_{\bar{N}}(2N+518-(4N+572))\\ &= B_{\bar{N}}(2N+65)+B_{\bar{N}}(134)+B_{\bar{N}}(-2N-54)=(N+80)+134+0=\mathbf{N+214}\\ &(N\geq 134)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+519)} &= B_{\bar{N}}(2N+519-B_{\bar{N}}(2N+518))+B_{\bar{N}}(2N+519-B_{\bar{N}}(2N+517))+B_{\bar{N}}(2N+519-B_{\bar{N}}(2N+516))\\ &= B_{\bar{N}}(2N+519-(N+214))+B_{\bar{N}}(2N+519-453)+B_{\bar{N}}(2N+519-(2N+384))\\ &= B_{\bar{N}}(N+305)+B_{\bar{N}}(2N+66)+B_{\bar{N}}(135)=(2N+131)+(N+46)+135=\mathbf{3N+312}\\ &(N\geq 135)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+520)} &= B_{\bar{N}}(2N+520-B_{\bar{N}}(2N+519))+B_{\bar{N}}(2N+520-B_{\bar{N}}(2N+518))+B_{\bar{N}}(2N+520-B_{\bar{N}}(2N+517))\\ &= B_{\bar{N}}(2N+520-(3N+312))+B_{\bar{N}}(2N+520-(N+214))+B_{\bar{N}}(2N+520-453)\\ &= B_{\bar{N}}(-N+208)+B_{\bar{N}}(N+306)+B_{\bar{N}}(2N+67)=0+(2N+36)+(2N+52)=\mathbf{4N+88}\\ &(N\geq 208)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+521)} &= B_{\bar{N}}(2N+521-B_{\bar{N}}(2N+520))+B_{\bar{N}}(2N+521-B_{\bar{N}}(2N+519))+B_{\bar{N}}(2N+521-B_{\bar{N}}(2N+518))\\ &= B_{\bar{N}}(2N+521-(4N+88))+B_{\bar{N}}(2N+521-(3N+312))+B_{\bar{N}}(2N+521-(N+214))\\ &= B_{\bar{N}}(-2N+433)+B_{\bar{N}}(-N+209)+B_{\bar{N}}(N+307)=0+0+(N-2)=\mathbf{N-2}\\ &(N\geq 217)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+522)} &= B_{\bar{N}}(2N+522-B_{\bar{N}}(2N+521))+B_{\bar{N}}(2N+522-B_{\bar{N}}(2N+520))+B_{\bar{N}}(2N+522-B_{\bar{N}}(2N+519))\\ &= B_{\bar{N}}(2N+522-(N-2))+B_{\bar{N}}(2N+522-(4N+88))+B_{\bar{N}}(2N+522-(3N+312))\\ &= B_{\bar{N}}(N+524)+B_{\bar{N}}(-2N+434)+B_{\bar{N}}(-N+210)=(N-2)+0+0=\mathbf{N-2}\\ &(N\geq 217)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+523)} &= B_{\bar{N}}(2N+523-B_{\bar{N}}(2N+522))+B_{\bar{N}}(2N+523-B_{\bar{N}}(2N+521))+B_{\bar{N}}(2N+523-B_{\bar{N}}(2N+520))\\ &= B_{\bar{N}}(2N+523-(N-2))+B_{\bar{N}}(2N+523-(N-2))+B_{\bar{N}}(2N+523-(4N+88))\\ &= B_{\bar{N}}(N+525)+B_{\bar{N}}(N+525)+B_{\bar{N}}(-2N+435)=527+527+0=\mathbf{1054}\\ &(N\geq 218)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+524)} &= B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+523))+B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+522))+B_{\bar{N}}(2N+524-B_{\bar{N}}(2N+521))\\ &= B_{\bar{N}}(2N+524-1054)+B_{\bar{N}}(2N+524-(N-2))+B_{\bar{N}}(2N+524-(N-2))\\ &= B_{\bar{N}}(2N-530)+B_{\bar{N}}(N+526)+B_{\bar{N}}(N+526)=\left(\frac{15N}{7}-\frac{584}{7}\right)+(N+527)+(N+527)=\frac{\mathbf{29N}}{\mathbf{7}}+\frac{\mathbf{6794}}{\mathbf{7}}\\ &(N\geq 3201)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+525)} &= B_{\bar{N}}(2N+525-B_{\bar{N}}(2N+524))+B_{\bar{N}}(2N+525-B_{\bar{N}}(2N+523))+B_{\bar{N}}(2N+525-B_{\bar{N}}(2N+522))\\ &= B_{\bar{N}}\left(2N+525-\left(\frac{29N}{7}+\frac{6794}{7}\right)\right)+B_{\bar{N}}(2N+525-1054)+B_{\bar{N}}(2N+525-(N-2))\\ &= B_{\bar{N}}\left(-\frac{15N}{7}-\frac{3119}{7}\right)+B_{\bar{N}}(2N-529)+B_{\bar{N}}(N+527)=0+(N-2)+(N+529)=\mathbf{2N+527}\\ &(N\geq 596)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+526)} &= B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+525))+B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+524))+B_{\bar{N}}(2N+526-B_{\bar{N}}(2N+523))\\ &= B_{\bar{N}}(2N+526-(2N+527))+B_{\bar{N}}\left(2N+526-\left(\frac{29N}{7}+\frac{6794}{7}\right)\right)+B_{\bar{N}}(2N+526-1054)\\ &= B_{\bar{N}}(-1)+B_{\bar{N}}\left(-\frac{15N}{7}-\frac{3112}{7}\right)+B_{\bar{N}}(2N-528)=0+0+(N-526)=\mathbf{N-526}\\ &(N\geq 595)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+527)} = B_{\bar{N}}(2N+527-B_{\bar{N}}(2N+526)) + B_{\bar{N}}(2N+527-B_{\bar{N}}(2N+525)) + B_{\bar{N}}(2N+527-B_{\bar{N}}(2N+524))$$
$$= B_{\bar{N}}(2N+527-(N-526)) + B_{\bar{N}}(2N+527-(2N+527)) + B_{\bar{N}}\left(2N+527-\left(\frac{29N}{7}+\frac{6794}{7}\right)\right)$$
$$= B_{\bar{N}}(N+1053) + B_{\bar{N}}(0) + B_{\bar{N}}\left(-\frac{15N}{7}-\frac{3105}{7}\right) = 7+0+0 = \mathbf{7}$$
$$(N \geq 1)$$

$$\mathbf{B_{\bar{N}}(2N+528)} = B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+527)) + B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+526)) + B_{\bar{N}}(2N+528-B_{\bar{N}}(2N+525))$$
$$= B_{\bar{N}}(2N+528-7) + B_{\bar{N}}(2N+528-(N-526)) + B_{\bar{N}}(2N+528-(2N+527))$$
$$= B_{\bar{N}}(2N+521) + B_{\bar{N}}(N+1054) + B_{\bar{N}}(1) = (N-2)+(2N+345)+1 = \mathbf{3N+344}$$
$$(N \geq 1)$$

$$\mathbf{B_{\bar{N}}(2N+529)} = B_{\bar{N}}(2N+529-B_{\bar{N}}(2N+528)) + B_{\bar{N}}(2N+529-B_{\bar{N}}(2N+527)) + B_{\bar{N}}(2N+529-B_{\bar{N}}(2N+526))$$
$$= B_{\bar{N}}(2N+529-(3N+344)) + B_{\bar{N}}(2N+529-7) + B_{\bar{N}}(2N+529-(N-526))$$
$$= B_{\bar{N}}(-N+185) + B_{\bar{N}}(2N+522) + B_{\bar{N}}(N+1055) = 0+(N-2)+(2N+143) = \mathbf{3N+141}$$
$$(N \geq 185)$$

$$\mathbf{B_{\bar{N}}(2N+530)} = B_{\bar{N}}(2N+530-B_{\bar{N}}(2N+529)) + B_{\bar{N}}(2N+530-B_{\bar{N}}(2N+528)) + B_{\bar{N}}(2N+530-B_{\bar{N}}(2N+527))$$
$$= B_{\bar{N}}(2N+530-(3N+141)) + B_{\bar{N}}(2N+530-(3N+344)) + B_{\bar{N}}(2N+530-7)$$
$$= B_{\bar{N}}(-N+389) + B_{\bar{N}}(-N+186) + B_{\bar{N}}(2N+523) = 0+0+1054 = \mathbf{1054}$$
$$(N \geq 389)$$

$$\mathbf{B_{\bar{N}}(2N+531)} = B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+530)) + B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+529)) + B_{\bar{N}}(2N+531-B_{\bar{N}}(2N+528))$$
$$= B_{\bar{N}}(2N+531-1054) + B_{\bar{N}}(2N+531-(3N+141)) + B_{\bar{N}}(2N+531-(3N+344))$$
$$= B_{\bar{N}}(2N-523) + B_{\bar{N}}(-N+390) + B_{\bar{N}}(-N+187) = \left(\frac{15N}{7}-\frac{577}{7}\right)+0+0 = \mathbf{\frac{15N}{7}-\frac{577}{7}}$$
$$(N \geq 590)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+532)} &= B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+531))+B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+530))+B_{\bar{N}}(2N+532-B_{\bar{N}}(2N+529))\\ &= B_{\bar{N}}\left(2N+532-\left(\frac{15N}{7}-\frac{577}{7}\right)\right)+B_{\bar{N}}(2N+532-1054)+B_{\bar{N}}(2N+532-(3N+141))\\ &= B_{\bar{N}}\left(-\frac{N}{7}+\frac{4301}{7}\right)+B_{\bar{N}}(2N-522)+B_{\bar{N}}(-N+391)=0+(N-2)+0=\mathbf{N-2}\\ &(\mathbf{N\geq 4301})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+533)} &= B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+532))+B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+531))+B_{\bar{N}}(2N+533-B_{\bar{N}}(2N+530))\\ &= B_{\bar{N}}(2N+533-(N-2))+B_{\bar{N}}\left(2N+533-\left(\frac{15N}{7}-\frac{577}{7}\right)\right)+B_{\bar{N}}(2N+533-1054)\\ &= B_{\bar{N}}(N+535)+B_{\bar{N}}\left(-\frac{N}{7}+\frac{4308}{7}\right)+B_{\bar{N}}(2N-521)=7+0+(N-519)=\mathbf{N-512}\\ &(\mathbf{N\geq 4308})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+534)} &= B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+533))+B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+532))+B_{\bar{N}}(2N+534-B_{\bar{N}}(2N+531))\\ &= B_{\bar{N}}(2N+534-(N-512))+B_{\bar{N}}(2N+534-(N-2))+B_{\bar{N}}\left(2N+534-\left(\frac{15N}{7}-\frac{577}{7}\right)\right)\\ &= B_{\bar{N}}(N+1046)+B_{\bar{N}}(N+536)+B_{\bar{N}}\left(-\frac{N}{7}+\frac{4315}{7}\right)=7+(2N+197)+0=\mathbf{2N+204}\\ &(\mathbf{N\geq 4315})\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+535)} &= B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+534))+B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+533))+B_{\bar{N}}(2N+535-B_{\bar{N}}(2N+532))\\ &= B_{\bar{N}}(2N+535-(2N+204))+B_{\bar{N}}(2N+535-(N-512))+B_{\bar{N}}(2N+535-(N-2))\\ &= B_{\bar{N}}(331)+B_{\bar{N}}(N+1047)+B_{\bar{N}}(N+537)=331+(2N+343)+(2N+69)=\mathbf{4N+743}\\ &(N\geq 331)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+536)} &= B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+535))+B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+534))+B_{\bar{N}}(2N+536-B_{\bar{N}}(2N+533))\\ &= B_{\bar{N}}(2N+536-(4N+743))+B_{\bar{N}}(2N+536-(2N+204))+B_{\bar{N}}(2N+536-(N-512))\\ &= B_{\bar{N}}(-2N-207)+B_{\bar{N}}(332)+B_{\bar{N}}(N+1048)=0+332+(2N+142)=\mathbf{2N+474}\\ &(N\geq 332)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+537)} &= B_{\bar{N}}(2N+537-B_{\bar{N}}(2N+536))+B_{\bar{N}}(2N+537-B_{\bar{N}}(2N+535))+B_{\bar{N}}(2N+537-B_{\bar{N}}(2N+534))\\ &= B_{\bar{N}}(2N+537-(2N+474))+B_{\bar{N}}(2N+537-(4N+743))+B_{\bar{N}}(2N+537-(2N+204))\\ &= B_{\bar{N}}(63)+B_{\bar{N}}(-2N-206)+B_{\bar{N}}(333)=63+0+333=\mathbf{396}\\ &(N\geq 333)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+538)} &= B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+537))+B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+536))+B_{\bar{N}}(2N+538-B_{\bar{N}}(2N+535))\\ &= B_{\bar{N}}(2N+538-396)+B_{\bar{N}}(2N+538-(2N+474))+B_{\bar{N}}(2N+538-(4N+743))\\ &= B_{\bar{N}}(2N+142)+B_{\bar{N}}(64)+B_{\bar{N}}(-2N-205)=(2N+75)+64+0=\mathbf{2N+139}\\ &(N\geq 64)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+539)} &= B_{\bar{N}}(2N+539-B_{\bar{N}}(2N+538))+B_{\bar{N}}(2N+539-B_{\bar{N}}(2N+537))+B_{\bar{N}}(2N+539-B_{\bar{N}}(2N+536))\\ &= B_{\bar{N}}(2N+539-(2N+139))+B_{\bar{N}}(2N+539-396)+B_{\bar{N}}(2N+539-(2N+474))\\ &= B_{\bar{N}}(400)+B_{\bar{N}}(2N+143)+B_{\bar{N}}(65)=400+68+65=\mathbf{533}\\ &(N\geq 400)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+540)} &= B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+539))+B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+538))+B_{\bar{N}}(2N+540-B_{\bar{N}}(2N+537))\\ &= B_{\bar{N}}(2N+540-533)+B_{\bar{N}}(2N+540-(2N+139))+B_{\bar{N}}(2N+540-396)\\ &= B_{\bar{N}}(2N+7)+B_{\bar{N}}(401)+B_{\bar{N}}(2N+144)=(3N+2)+401+(2N+61)=\mathbf{5N+464}\\ &(N\geq 401)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+541)} &= B_{\bar{N}}(2N+541-B_{\bar{N}}(2N+540))+B_{\bar{N}}(2N+541-B_{\bar{N}}(2N+539))+B_{\bar{N}}(2N+541-B_{\bar{N}}(2N+538))\\ &= B_{\bar{N}}(2N+541-(5N+464))+B_{\bar{N}}(2N+541-533)+B_{\bar{N}}(2N+541-(2N+139))\\ &= B_{\bar{N}}(-3N+77)+B_{\bar{N}}(2N+8)+B_{\bar{N}}(402)=0+15+402=\mathbf{417}\\ &(N\geq 402)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+542)} &= B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+541))+B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+540))+B_{\bar{N}}(2N+542-B_{\bar{N}}(2N+539))\\ &= B_{\bar{N}}(2N+542-417)+B_{\bar{N}}(2N+542-(5N+464))+B_{\bar{N}}(2N+542-533)\\ &= B_{\bar{N}}(2N+125)+B_{\bar{N}}(-3N+78)+B_{\bar{N}}(2N+9)=(N+17)+0+\left(\frac{32N}{7}+\frac{590}{7}\right)=\frac{\mathbf{39N}}{\mathbf{7}}+\frac{\mathbf{709}}{\mathbf{7}}\\ &(N\geq 26)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+543)} &= B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+542))+B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+541))+B_{\bar{N}}(2N+543-B_{\bar{N}}(2N+540))\\ &= B_{\bar{N}}\left(2N+543-\left(\frac{39N}{7}+\frac{709}{7}\right)\right)+B_{\bar{N}}(2N+543-417)+B_{\bar{N}}(2N+543-(5N+464))\\ &= B_{\bar{N}}\left(-\frac{25N}{7}+\frac{3092}{7}\right)+B_{\bar{N}}(2N+126)+B_{\bar{N}}(-3N+79)=0+(3N+88)+0=\mathbf{3N+88}\\ &(N\geq 124)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+544)} &= B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+543))+B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+542))+B_{\bar{N}}(2N+544-B_{\bar{N}}(2N+541))\\ &= B_{\bar{N}}(2N+544-(3N+88))+B_{\bar{N}}\left(2N+544-\left(\frac{39N}{7}+\frac{709}{7}\right)\right)+B_{\bar{N}}(2N+544-417)\\ &= B_{\bar{N}}(-N+456)+B_{\bar{N}}\left(-\frac{25N}{7}+\frac{3099}{7}\right)+B_{\bar{N}}(2N+127)=0+0+(2N+15)=\mathbf{2N+15}\\ &(N\geq 456)\end{aligned}$$

$$\mathbf{B_{\bar{N}}(2N+545)} = B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+544)) + B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+543)) + B_{\bar{N}}(2N+545-B_{\bar{N}}(2N+542))$$
$$= B_{\bar{N}}(2N+545-(2N+15)) + B_{\bar{N}}(2N+545-(3N+88)) + B_{\bar{N}}\left(2N+545-\left(\frac{39N}{7}+\frac{709}{7}\right)\right)$$
$$= B_{\bar{N}}(530) + B_{\bar{N}}(-N+457) + B_{\bar{N}}\left(-\frac{25N}{7}+\frac{3106}{7}\right) = 530+0+0 = \mathbf{530}$$
$$(N \geq 530)$$

$$\mathbf{B_{\bar{N}}(2N+546)} = B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+545)) + B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+544)) + B_{\bar{N}}(2N+546-B_{\bar{N}}(2N+543))$$
$$= B_{\bar{N}}(2N+546-530) + B_{\bar{N}}(2N+546-(2N+15)) + B_{\bar{N}}(2N+546-(3N+88))$$
$$= B_{\bar{N}}(2N+16) + B_{\bar{N}}(531) + B_{\bar{N}}(-N+458) = (2N+6)+531+0 = \mathbf{2N+537}$$
$$(N \geq 531)$$

$$\mathbf{B_{\bar{N}}(2N+547)} = B_{\bar{N}}(2N+547-B_{\bar{N}}(2N+546)) + B_{\bar{N}}(2N+547-B_{\bar{N}}(2N+545)) + B_{\bar{N}}(2N+547-B_{\bar{N}}(2N+544))$$
$$= B_{\bar{N}}(2N+547-(2N+537)) + B_{\bar{N}}(2N+547-530) + B_{\bar{N}}(2N+547-(2N+15))$$
$$= B_{\bar{N}}(10) + B_{\bar{N}}(2N+17) + B_{\bar{N}}(532) = 10+(2N+16)+532 = \mathbf{2N+558}$$
$$(N \geq 532)$$

$$\mathbf{B_{\bar{N}}(2N+548)} = B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+547)) + B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+546)) + B_{\bar{N}}(2N+548-B_{\bar{N}}(2N+545))$$
$$= B_{\bar{N}}(2N+548-(2N+558)) + B_{\bar{N}}(2N+548-(2N+537)) + B_{\bar{N}}(2N+548-530)$$
$$= B_{\bar{N}}(-10) + B_{\bar{N}}(11) + B_{\bar{N}}(2N+18) = 0+11+29 = \mathbf{40}$$
$$(N \geq 11)$$

$$\mathbf{B_{\bar{N}}(2N+549)} = B_{\bar{N}}(2N+549-B_{\bar{N}}(2N+548)) + B_{\bar{N}}(2N+549-B_{\bar{N}}(2N+547)) + B_{\bar{N}}(2N+549-B_{\bar{N}}(2N+546))$$
$$= B_{\bar{N}}(2N+549-40) + B_{\bar{N}}(2N+549-(2N+558)) + B_{\bar{N}}(2N+549-(2N+537))$$
$$= B_{\bar{N}}(2N+509) + B_{\bar{N}}(-9) + B_{\bar{N}}(12) = (N-2)+0+12 = \mathbf{N+10}$$
$$(N \geq 12)$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+550)} &= B_{\bar{N}}(2N+550-B_{\bar{N}}(2N+549))+B_{\bar{N}}(2N+550-B_{\bar{N}}(2N+548))+B_{\bar{N}}(2N+550-B_{\bar{N}}(2N+547))\\ &= B_{\bar{N}}(2N+550-(N+10))+B_{\bar{N}}(2N+550-40)+B_{\bar{N}}(2N+550-(2N+558))\\ &= B_{\bar{N}}(N+540)+B_{\bar{N}}(2N+510)+B_{\bar{N}}(-8)=(N+541)+(N+513)+0=\mathbf{2N+1054}\\ &(N\geq 1)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+551)} &= B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+550))+B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+549))+B_{\bar{N}}(2N+551-B_{\bar{N}}(2N+548))\\ &= B_{\bar{N}}(2N+551-(2N+1054))+B_{\bar{N}}(2N+551-(N+10))+B_{\bar{N}}(2N+551-40)\\ &= B_{\bar{N}}(-503)+B_{\bar{N}}(N+541)+B_{\bar{N}}(2N+511)=0+(N+543)+(2N+513)=\mathbf{3N+1056}\\ &(N\geq 1)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+552)} &= B_{\bar{N}}(2N+552-B_{\bar{N}}(2N+551))+B_{\bar{N}}(2N+552-B_{\bar{N}}(2N+550))+B_{\bar{N}}(2N+552-B_{\bar{N}}(2N+549))\\ &= B_{\bar{N}}(2N+552-(3N+1056))+B_{\bar{N}}(2N+552-(2N+1054))+B_{\bar{N}}(2N+552-(N+10))\\ &= B_{\bar{N}}(-N-504)+B_{\bar{N}}(-502)+B_{\bar{N}}(N+542)=0+0+7=\mathbf{7}\\ &(N\geq 1)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+553)} &= B_{\bar{N}}(2N+553-B_{\bar{N}}(2N+552))+B_{\bar{N}}(2N+553-B_{\bar{N}}(2N+551))+B_{\bar{N}}(2N+553-B_{\bar{N}}(2N+550))\\ &= B_{\bar{N}}(2N+553-7)+B_{\bar{N}}(2N+553-(3N+1056))+B_{\bar{N}}(2N+553-(2N+1054))\\ &= B_{\bar{N}}(2N+546)+B_{\bar{N}}(-N-503)+B_{\bar{N}}(-501)=(2N+537)+0+0=\mathbf{2N+537}\\ &(N\geq 1)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+554)} &= B_{\bar{N}}(2N+554-B_{\bar{N}}(2N+553))+B_{\bar{N}}(2N+554-B_{\bar{N}}(2N+552))+B_{\bar{N}}(2N+554-B_{\bar{N}}(2N+551))\\ &= B_{\bar{N}}(2N+554-(2N+537))+B_{\bar{N}}(2N+554-7)+B_{\bar{N}}(2N+554-(3N+1056))\\ &= B_{\bar{N}}(17)+B_{\bar{N}}(2N+547)+B_{\bar{N}}(-N-502)=17+(2N+558)+0=\mathbf{2N+575}\\ &(N\geq 17)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+555)} &= B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+554))+B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+553))+B_{\bar{N}}(2N+555-B_{\bar{N}}(2N+552))\\ &= B_{\bar{N}}(2N+555-(2N+575))+B_{\bar{N}}(2N+555-(2N+537))+B_{\bar{N}}(2N+555-7)\\ &= B_{\bar{N}}(-20)+B_{\bar{N}}(18)+B_{\bar{N}}(2N+548)=0+18+40=\mathbf{58}\\ &(N\geq 18)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+556)} &= B_{\bar{N}}(2N+556-B_{\bar{N}}(2N+555))+B_{\bar{N}}(2N+556-B_{\bar{N}}(2N+554))+B_{\bar{N}}(2N+556-B_{\bar{N}}(2N+553))\\ &= B_{\bar{N}}(2N+556-58)+B_{\bar{N}}(2N+556-(2N+575))+B_{\bar{N}}(2N+556-(2N+537))\\ &= B_{\bar{N}}(2N+498)+B_{\bar{N}}(-19)+B_{\bar{N}}(19)=490+0+19=\mathbf{509}\\ &(N\geq 19)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+557)} &= B_{\bar{N}}(2N+557-B_{\bar{N}}(2N+556))+B_{\bar{N}}(2N+557-B_{\bar{N}}(2N+555))+B_{\bar{N}}(2N+557-B_{\bar{N}}(2N+554))\\ &= B_{\bar{N}}(2N+557-509)+B_{\bar{N}}(2N+557-58)+B_{\bar{N}}(2N+557-(2N+575))\\ &= B_{\bar{N}}(2N+48)+B_{\bar{N}}(2N+499)+B_{\bar{N}}(-18)=(3N+29)+\left(\frac{48N}{7}+\frac{913}{7}\right)+0=\frac{\mathbf{69N}}{\mathbf{7}}+\frac{\mathbf{1116}}{\mathbf{7}}\\ &(N\geq 1)\end{aligned}$$

$$\begin{aligned}\mathbf{B_{\bar{N}}(2N+558)} &= B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+557))+B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+556))+B_{\bar{N}}(2N+558-B_{\bar{N}}(2N+555))\\ &= B_{\bar{N}}\left(2N+558-\left(\frac{69N}{7}+\frac{1116}{7}\right)\right)+B_{\bar{N}}(2N+558-509)+B_{\bar{N}}(2N+558-58)\\ &= B_{\bar{N}}\left(-\frac{55N}{7}+\frac{2790}{7}\right)+B_{\bar{N}}(2N+49)+B_{\bar{N}}(2N+500)=0+37+\left(\frac{15N}{7}-\frac{24}{7}\right)=\frac{\mathbf{15N}}{\mathbf{7}}+\frac{\mathbf{235}}{\mathbf{7}}\\ &(N\geq 51)\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+559)} &= B_{\bar{N}}(2N+559-B_{\bar{N}}(2N+558))+B_{\bar{N}}(2N+559-B_{\bar{N}}(2N+557))+B_{\bar{N}}(2N+559-B_{\bar{N}}(2N+556)) \\
&= B_{\bar{N}}\left(2N+559-\left(\frac{15N}{7}+\frac{235}{7}\right)\right)+B_{\bar{N}}\left(2N+559-\left(\frac{69N}{7}+\frac{1116}{7}\right)\right)+B_{\bar{N}}(2N+559-509) \\
&= B_{\bar{N}}\left(-\frac{N}{7}+\frac{3678}{7}\right)+B_{\bar{N}}\left(-\frac{55N}{7}+\frac{2797}{7}\right)+B_{\bar{N}}(2N+50)=0+0+(3N+43)=\mathbf{3N+43} \\
&(N\geq 3678)
\end{aligned}$$

$$\begin{aligned}
\mathbf{B_{\bar{N}}(2N+560)} &= B_{\bar{N}}(2N+560-B_{\bar{N}}(2N+559))+B_{\bar{N}}(2N+560-B_{\bar{N}}(2N+558))+B_{\bar{N}}(2N+560-B_{\bar{N}}(2N+557)) \\
&= B_{\bar{N}}(2N+560-(3N+43))+B_{\bar{N}}\left(2N+560-\left(\frac{15N}{7}+\frac{235}{7}\right)\right)+B_{\bar{N}}\left(2N+560-\left(\frac{69N}{7}+\frac{1116}{7}\right)\right) \\
&= B_{\bar{N}}(-N+517)+B_{\bar{N}}\left(-\frac{N}{7}+\frac{3685}{7}\right)+B_{\bar{N}}\left(-\frac{55N}{7}+\frac{2804}{7}\right)=0+0+0=\mathbf{0} \\
&(N\geq 3685)
\end{aligned}$$