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[4, 1, -1, -2, 6, 0, -3, -4]

	P_t	N_t
0 4.	4	1
1 1.	-1	-2
2 -1.	6	0
3 -2.	-3	-4
4 6.		
5 0.		
6 -3.		
7 -4.		

$P P_t$	$P N_t$	$N P_t$	$N N_t$
4	-1	1	-2
6	-3	0	-4

$P P_t$	$P N_t$	$N P_t$	$N N_t$
10	-4	1	-6
-2	2	1	2

$$-1 + 3$$

$$= 2$$

$$-2 + 4 = 2$$

$$K=0 \quad P_0 = P P_0 + P N_0 = 6$$

$$K=1 \quad P_1 = P P_1 + P N_1 \left(\cos \frac{\pi}{2} - i \sin \frac{\pi}{2} \right) = -2 - 2i$$

$$K=2 \quad P_2 = P P_2 + P N_2 = 14$$

$$K=3 \quad P_3 = P P_3 + P N_3 \left(\cos \frac{\pi}{2} - i \sin \frac{\pi}{2} \right) = -2 + 2i$$

P_t	N_t
6	-5
-2 - 2i	-2i
14	7
-2 + 2i	1 + 2i

$$1 + G \cos \left(\frac{\pi}{4} \right)$$

$$= \cos \frac{\pi}{4}$$

$$\sin \frac{\pi}{4}$$

$$K=0 \quad P_0 + N_0 = 1$$

$$K=1 \quad P_1 + N_1 \left(\cos \frac{\pi}{4} - i \sin \frac{\pi}{4} \right) = -2 - \frac{\sqrt{2}}{2} + \left(-2 - \frac{3\sqrt{2}}{2} \right) i$$

$$K=2 \quad P_2 + N_2 \left(\cos \frac{\pi}{2} - i \sin \frac{\pi}{2} \right) = 14 - 7i$$

$$K=3 \quad P_3 + N_3 \left(\cos \frac{3\pi}{4} - i \sin \frac{3\pi}{4} \right) = -2 + \frac{\sqrt{2}}{2} + \left(2 - \frac{3\sqrt{2}}{2} \right) i$$

$$K=0 \quad P_0 - N_0 = 11$$

$$K=1 \quad P_1 - N_1 \left(\cos \frac{\pi}{4} - i \sin \frac{\pi}{4} \right) = -2 + \frac{\sqrt{2}}{2} + \left(-2 + \frac{3\sqrt{2}}{2} \right) i$$

$$K=2 \quad P_2 - N_2 \left(\cos \frac{\pi}{2} - i \sin \frac{\pi}{2} \right) = 14 + 7i$$

$$K=3 \quad P_3 - N_3 \left(\cos \frac{3\pi}{4} - i \sin \frac{3\pi}{4} \right) = -2 - \frac{\sqrt{2}}{2} + \left(2 + \frac{3\sqrt{2}}{2} \right) i$$