

$$f(-1) + f(1) \Rightarrow \begin{cases} f(-1) \rightarrow n=1 \rightarrow f(-1) = \frac{1}{2} \\ f(1) \rightarrow n=-1 \rightarrow f(1) = \frac{1}{2} \end{cases} \Rightarrow f(-1) + f(1) = \underline{\underline{1}}$$

$$f(n + \sqrt{n}) = n^2 + 2n \rightarrow (4)^2 + 2(4) = 16 + 8 = \underline{\underline{24}}$$

$$\begin{cases} f(n-1) = (n-1)^2 + (n-1) \\ f(1-n) = (1-n)^2 + (1-n) \end{cases} \oplus \Rightarrow \cancel{(n-1)^2} - \cancel{(n-1)^2} + \cancel{(n-1)} - \cancel{(1-n)} = \underline{\underline{0}}$$

$$b - c = 0 \Rightarrow b = c, \quad c - 2a = 0 \Rightarrow a = \frac{c}{2}$$

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$$2f - g = 2k - 2 - 3k = k - 2 \Rightarrow k = -2 \Rightarrow k = -1 \Rightarrow 2a - \frac{b}{2} - k = 2 - 1 + 1 = \underline{\underline{2}}$$

$$\begin{cases} 2n + 2 > 0 \rightarrow n > -1 \\ m - n > 0 \rightarrow n < m \rightarrow m = \underline{\underline{5}} \end{cases}$$

$$f - g(m) = \sqrt{2-2} + m - \sqrt{1} = 0 + m - 1 = m - 1 \Rightarrow 2 + m - 1\sqrt{2} = 4\sqrt{2}$$

$$\Rightarrow 1\sqrt{2} = 2 + m \Rightarrow m = \underline{\underline{1\sqrt{2} - 2}} \Rightarrow m + n = \underline{\underline{1\sqrt{2} - 2 + 2 = 1\sqrt{2}}}$$