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$$\text{الف) } \sqrt{\frac{n^2 - n - 4}{n^2 - 13n^2 + 34}}$$

$$n^2 - n - 4 = 0 \Rightarrow n = 3, -2$$

$$\begin{array}{ccccccc} -3 & -2 & 1 & 3 & 4 \\ + & - & + & - & + & - & + \end{array}$$

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$$n^2 - 13n + 34 = 0 \Rightarrow n = 2, 9 \Rightarrow n = \pm 2, \pm 9$$

$$D_f = (-\infty, -2) \cup (2, 9) \cup (9, \infty)$$

$$\text{ب) } \sqrt{\frac{n^2 - n^2 - 2n + 4}{n^2 + 2n^2 - 2n - 4}}$$

$$\begin{array}{r} -n^2 - 2n^2 - 2n + 4 \quad | \quad n-1 \\ +n^2 + n^2 \\ \hline -2n^2 - 2n + 4 \\ -n^2 + n \\ \hline -n^2 - 3n + 4 \\ -n^2 - 3n + 4 \\ \hline 0 \end{array} \quad \left\{ \begin{array}{l} n=1 \\ n=2, -2 \end{array} \right.$$

$$\begin{array}{r} -n^2 + 2n^2 - 2n - 4 \quad | \quad n+1 \\ -n^2 + n^2 \\ \hline n^2 - 2n - 4 \\ -n^2 + n \\ \hline -n^2 - n - 4 \\ -n^2 - n - 4 \\ \hline 0 \end{array} \quad \left\{ \begin{array}{l} n=-1 \\ n=2, -2 \end{array} \right.$$

$$\begin{array}{ccccccc} -3 & -2 & -1 & 1 & 2 & 3 & 4 \\ + & - & + & - & + & - & + \end{array}$$

$$D_f = (-\infty, -3) \cup (-1, 2) \cup (2, 4)$$

$$\text{الف) } \sqrt{v[n] - 2}$$

$$v[n] \geq 2 \Rightarrow [n] \geq 2 \Rightarrow n \geq 2$$

$$D_f = [2, \infty)$$

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$$\text{ب) } \sqrt{v[n] - 5}$$

$$v[n] \geq 5 \Rightarrow [n] \geq \frac{5}{v} \Rightarrow n \geq 3$$

$$D_f = [3, \infty)$$

$$\text{الف) } \sqrt{\frac{n+1}{|n-2|}} + \sqrt{\frac{4-n}{n^2 + 2n + 2}} \sim \Delta \neq 0$$

$\underbrace{\quad}_{n \geq -1} \quad \underbrace{\quad}_{4 \geq n}$
 $n \neq 2$

$$D_f = [-1, 4] - \{2\}$$

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$$\text{ب) } \sqrt{[n] - 2} + \sqrt{2 - [n]}$$

$$[n] \geq 2 \Rightarrow n \geq 2$$

$$2 \geq [n] \Rightarrow 2 \geq n$$

$$D_f = \emptyset$$