

$$\begin{array}{c}
 \begin{array}{c|c|c}
 -1 & & 1 \\
 \hline
 -2n-1 & 2 & 2n+1
 \end{array} \\
 -\frac{1}{2}n + \frac{1}{2} \leq -2n-1 & -\frac{1}{2}n + \frac{1}{2} \leq 2 & -\frac{1}{2}n + \frac{1}{2} \leq 2n+1 \\
 \frac{1}{2}n \geq -\frac{5}{2} \Rightarrow (-5), \checkmark & \frac{1}{2}n \leq \frac{3}{2} \Rightarrow 3 & \frac{1}{2}n \leq \frac{3}{2}n \Rightarrow \checkmark \\
 \frac{1}{2}n \leq \frac{3}{2} \Rightarrow 3 & \frac{1}{2}n \leq \frac{3}{2}n \Rightarrow \checkmark & \sqrt{\frac{1}{2}n} \leq \sqrt{\frac{3}{2}n} \Rightarrow \checkmark
 \end{array}$$

$V \leq |n-2|$
 $V \leq \frac{1}{2}n + 2$

$n-2 \leq \frac{1}{2}n + 2$
 $2n-4 \leq n+4$
 $n \leq 8$
 $\frac{1}{2}n + 2 \leq 0 \Rightarrow \frac{1}{2}n \leq -2 \Rightarrow n \leq -4$

$B = \frac{1}{F-9} \Rightarrow \frac{1}{F-9} + \frac{1}{F} \leq \frac{1}{2} \Rightarrow \frac{F+F-9}{F^2-9F} \leq \frac{1}{2} \Rightarrow \frac{2F-9}{F^2-9F} \leq \frac{1}{2}$

$\leftarrow F-18 \leq F^2-9F \Rightarrow F^2-18F+18 \leq 0 \quad (F-9)(F-2)$
 $\frac{1}{F-9} \leq \frac{1}{F-2} \Rightarrow F \leq 9 \Rightarrow B \leq \frac{1}{2}$

$\sqrt{n+\sqrt{-n^2+4n+1}} + \sqrt{n+\sqrt{-n^2+4n+1}} \geq n+2$
 $n^2(-n+4) + 4n(n-1) - (n-2)(n-4) \geq 0$
 $(n-4)(-n^2+4n) \geq 0$
 $\frac{-4}{-4} \leq \frac{4}{-4} \Rightarrow 4 \leq 4 \checkmark$
 $\frac{1}{F-9} \leq \frac{1}{F-2} \Rightarrow F \leq 9 \Rightarrow B \leq \frac{1}{2}$

