

$$\begin{aligned}
 \text{35} \quad \lim_{x \rightarrow 1} \frac{2 - \sqrt{3x+1}}{1 - \sqrt{2x-1}} &= \frac{1 + \sqrt{2x-1}}{1 + \sqrt{2x-1}} \cdot \frac{2 + \sqrt{3x+1}}{2 + \sqrt{3x+1}} = \frac{(3-3x)(1+\sqrt{2x-1})}{(2-2x)(2+\sqrt{3x+1})} = \lim_{x \rightarrow 1} \frac{3(1-x)(1+\sqrt{2x-1})}{2(1-x)(2+\sqrt{3x+1})} = \frac{3}{2} \cdot \frac{2}{4} = \frac{3}{4}
 \end{aligned}$$