

θέτουμε $y = \sqrt[6]{x}$
 όταν $x \rightarrow 0, y \rightarrow 0$

$$\lim_{x \rightarrow 0} \frac{\sqrt{x} + \sqrt[3]{x}}{2\sqrt{x} - \sqrt[3]{x}} \stackrel{\substack{\sqrt{x}=y^3 \\ \sqrt[3]{x}=y^2}}{=} \lim_{y \rightarrow 0} \frac{y^3 + y^2}{2y^3 - y^2} = \lim_{y \rightarrow 0} \frac{\cancel{y^2} (y+1)}{\cancel{y^2} (2y-1)} = \frac{0+1}{2 \cdot 0 - 1} = \boxed{-1}$$