

$$\frac{a-b}{a^{\frac{2}{3}}b^{\frac{2}{3}}} \cdot \frac{ab^{\frac{2}{3}}+a^{\frac{2}{3}}b}{a^{\frac{2}{3}}+a^{\frac{1}{3}}b^{\frac{1}{3}}+b^{\frac{2}{3}}}$$

$$= \frac{(a-b) \cdot a^{\frac{2}{3}}b^{\frac{2}{3}}(a^{\frac{1}{3}}+b^{\frac{1}{3}})}{a^{\frac{2}{3}}b^{\frac{2}{3}} \cdot (a^{\frac{2}{3}}+a^{\frac{1}{3}}b^{\frac{1}{3}}+b^{\frac{2}{3}})} = \frac{(a^{\frac{1}{3}}-b^{\frac{1}{3}})(a^{\frac{2}{3}}+a^{\frac{1}{3}}b^{\frac{1}{3}}+b^{\frac{2}{3}}) \cdot (a^{\frac{1}{3}}+b^{\frac{1}{3}})}{a^{\frac{2}{3}}+a^{\frac{1}{3}}b^{\frac{1}{3}}+b^{\frac{2}{3}}} =$$

$$= a^{\frac{2}{3}} - b^{\frac{2}{3}}$$