$$\frac{\sqrt{f(t)}}{\sqrt{f(t)}} \left(\sum_{i=1}^{\infty} \sqrt{f(t)} \right) \sqrt{f(t)} = \frac{2f(t)}{\sqrt{f(t)}} \left(\sum_{i=1}^{\infty} \sqrt{f(t)} \sqrt{f(t)} \right) \sqrt{f(t)} = \frac{2f(t)}{\sqrt{f(t)}} \left(\sum_{i=1}^{\infty} \sqrt{f(t)} \sqrt{f(t)} \right) \sqrt{f(t)} = \frac{2f(t)}{\sqrt{f(t)}} \sqrt{f(t)} = \frac{2f(t)}{\sqrt{f(t)$$