$$\begin{aligned}
\Lambda_{1} &= \left| \int_{0}^{1} (f(x) - g(x)) \, dx \right| + \left| \int_{1}^{2} (g(x) - h(x)) \, dx \right| \\
&= \left| \int_{0}^{1} (x^{2} - 3x) \, dx \right| + \left| \int_{1}^{2} (x^{2} - 5x + 6) \, dx \right| \\
&= \left| \frac{x^{3}}{3} - \frac{3}{2}x^{2} \right|_{0}^{1} + \left| \frac{x^{3}}{3} - \frac{5}{2}x^{2} + 6x \right|_{1}^{2} \\
&= \left| \frac{1}{3} - \frac{3}{2} \right| + \left| \frac{8}{3} - \frac{20}{2} + 12 - \left( \frac{1}{3} - \frac{5}{2} + 6 \right) \right| \\
&= \left| -\frac{7}{6} \right| + \left| \frac{28}{6} - \frac{23}{6} \right| = \frac{7}{6} + \frac{5}{6} = 2 \text{ FE}
\end{aligned} (6.41)$$