

Cotoholo = 
$$\frac{\$^2 + 15 + 5\$^2}{(\$^2 + 15)\$}$$
  
Cotoholo =  $\frac{6\$^2 + 15}{\$^3 + 15\$}$   
 $T(\$) = \frac{1}{\$^3 + 15\$}$   
 $T(\$) = \frac{1}{\$^3 + 6\$^2 + 15\$ + 15}$   
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$$|S_{11}|^{2} = 1 - |S_{12}|^{2}$$

$$-\$^{6} + G\$^{4} - 45\$^{2}$$

$$-\$^{6} + G\$^{4} - 45\$^{2} + 225$$

$$(\$^{2} + A\$ + \sqrt{45})(\$^{2} - A\$ + \sqrt{45}) = (\$^{4} - G\$^{2} + 45)$$

$$\$^{4} + \$^{3}(A) + \$^{2}(45 + \$^{3}A) - A^{2}\$^{2} + A\sqrt{45}\$^{4} + \sqrt{45}\$^{2} - A\cancel{4}\cancel{4}\cancel{5}$$

$$2\$^{2}(45 - A^{2})\$^{2} = -G\$^{2}$$

$$A^{2} = (5 + 2\sqrt{45}) \Rightarrow 4,406 = A$$

$$S_{11} = (5 + 2\sqrt{45}) \Rightarrow 4,406 = A$$

$$Z_{1} = (5 + 2\sqrt{45}) \Rightarrow 4,406 = A$$

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