Solution H(2) =
$$\frac{\sqrt{5} j \cdot 2}{(j \cdot 2)^2 + 2 j \cdot 2 + 2}$$

= $\frac{\sqrt{5} j \cdot 2}{-2^2 + 2 j \cdot 2 + 2}$
= $\frac{\sqrt{5} j \cdot 2}{2 \cdot 2^2}$
[H(2)] = $\frac{\sqrt{5} j \cdot 2}{(2 - 2^2)^2 + (2 \cdot 2)^2}$
[H(0)] = $\frac{\sqrt{5} \times D}{\sqrt{(2 - 2^2)^2 + (2 \cdot 2)^2}}$
[H(1)] = $\frac{\sqrt{5}}{\sqrt{2} \cdot (2 \cdot 1)^2}$ = $\frac{\sqrt{5}}{\sqrt{5}}$
For $\Omega = \infty$
[H(∞)] = $\frac{\sqrt{5}}{\sqrt{2} \cdot (2 \cdot 1)^2}$ = $\frac{\sqrt{5}}{\sqrt{5}}$