4	$S_\infty = 1 + \frac{3}{5(1)} + \frac{3\times 4}{5^2(1\times 2)} + \frac{3\times 4\times 5}{5^3(1\times 2\times 3)} + \frac{3\times 4\times 5\times 6}{5^4(1\times 2\times 3\times 4)} + \ldots$	M1
	$S_\infty = 1 + \frac{3}{1!}\left(\frac{1}{5}\right)^1 + \frac{3\times 4}{2!}\left(\frac{1}{5}\right)^2 + \frac{3\times 4\times 5}{3!}\left(\frac{1}{5}\right)^3 + \frac{3\times 4\times 5\times 6}{4!}\left(\frac{1}{5}\right)^4 + \ldots$	M1
	$S_\infty = 1 + \frac{-3}{1!}\left(-\frac{1}{5}\right)^1 + \frac{(-3)(-4)}{2!}\left(-\frac{1}{5}\right)^2 + \frac{(-3)(-4)(-5)}{3!}\left(-\frac{1}{5}\right)^3 + \frac{(-3)(-4)(-5)(-6)}{4!}\left(-\frac{1}{5}\right)^4 + \ldots$	M1
	$S_\infty = \left(1 - \frac{1}{5}\right)^{-3}$	M1
	$S_\infty = \frac{125}{64}$	B1
		[5]
		[5 marks]