(c)	Write an expression for the number of <b>black</b> squares in the <i>n</i> th pattern.
	(c)[2]
(d)	Sally looks at the patterns. She says
	If the pattern number is odd, the total number of squares will be odd. If it is even, the total number of squares will be even.
	Explain clearly why Sally is right for <b>all</b> patterns in the sequence.
	[6]
	[O]