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: / 3:

	مجزأة		
04	01.5	$: 7 \quad 2^n \quad (1)$	
	0.75	$\cdot 2^{3k+2} \equiv 4[7] \quad 2^{3k+1} \equiv 2[7] \quad 2^{3k} \equiv 1[7]$	
	0.75	$\cdot 2^{1433} \equiv 4[7] \quad 1433 = 3 \times 477 + 2 \quad (2)$	
	01	$\cdot 2^{2013} \equiv 1[7] \quad 2013 = 3 \times 671$	
		$2^{32} - 11 + 56^5 \equiv 4 - 4 + 0[7] \quad (3)$ $\equiv 0[7]$	
06	01	$\begin{cases} u_1 + u_3 = 222 \\ u_3 + u_5 = 318 \end{cases} : \quad u_0 \quad (u_n)$	
	01	$\cdot u_2 = \frac{u_1 + u_3}{2} = 111 \quad (1)$	
		$\cdot u_4 = \frac{u_3 + u_5}{2} = 159$	
		$: r \quad (2)$	
	01	$r = 24 \quad 159 = 111 + 2r \quad u_4 = u_2 + 2r$	
	01	$u_0 = 63 \quad 111 = u_0 + 48 \quad u_2 = u_0 + 2r : u_0$	
	0.5	$u_n = 24n + 63 : n \quad u_n \quad (3)$	
	0.5	$\cdot n = 10 \quad 24n + 63 = 303 \quad u_n = 303$	
	01	$S = u_0 + u_1 + \dots + u_{10} = \frac{11}{2}(63 + 303) = 2013 \quad (4)$	
10	01	$D_f = [-4; 2] \quad f(x) = x^2 + 2x - 3$	
	01	$\cdot f'(x) = 2x + 2 \quad (1)$	
		$\cdot [-1; 2] \quad [-4; -1] \quad f$	

01

x	-4	-1	2	
$f'(x)$		-	0	+
$f(x)$	5		-4	5

01

(C_f)

(2)

$$y = -3 \quad x = 0$$

02

$A(0; -3)$

(C_f)

$$x = -3 \quad x = 1 \quad y = 0$$

01.5

$C(-3; 0) \quad B(1; 0)$

(C_f)

$$: \quad x_0 = 1$$

(Δ)

(3)

$$y = 4x - 4$$

02.5

(C_f)

(Δ)

(4)

