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	مجزأة		
05		$4^{5k+3} \equiv 9[11] \quad 4^{5k+2} \equiv 5[11] \quad 4^{5k+1} \equiv 4[11] \quad 4^{5k} \equiv 1[11]$ $4^{5k+4} \equiv 3[11]$	(1)
	02		
	01	$7077^{377} \equiv 5[11] \quad 377 \equiv 5 \times 75 + 2 \quad 7077 \equiv 4[11]$	(2)
	02	$4^n + 4^n + 5 \equiv 0[11] \quad 1995^n + 2006^n + 5 \equiv 0[11]$ $. n = 5k + 4 \quad / k \in N \quad 4^n \equiv 3[11] \quad 2 \times 4^n \equiv 6[11]$	(3)
05		$. r = 4 \quad U_1 = 2 \quad (U_n)$	
	01	$U_n = 4n - 2 : n \quad U_n$	(1)
	0.5	$. U_7 = 26$	(2)
	0.5	$. U_{25} = 98$	
	01	$. 2U_n = U_{n-1} + U_{n+1} : n$	(3)
	01.5	$U_{n-1} + U_{n+1} = U_n - 4 + U_n - 4 = 2U_n$	
	0.5	$S_n = U_1 + U_2 + \dots + U_n = \frac{n}{2}(U_1 + U_n) = 2n^2$ $n = 7 \quad 2n^2 = 98 \quad S_n = 98$	(4)
10	02.5	$. f(x) = \frac{1}{3}x^3 - \frac{3}{2}x^2 + 2$ (:	(1)
	02.5	(:	(2)
	02.5	$. 3 \quad 0$ (:	(3)
	02.5	(:	(4)