

$a_{n+2} - 9a_n =$ $\lambda =$ $a_{h,n} =$	$a_{n+2} - 3a_{n+1} + 2a_n =$ $\lambda =$ $a_{h,n} =$	$a_{n+2} - 4a_{n+1} + 4a_n =$ $\lambda =$ $a_{h,n} =$	$L = /$ $= b_n$
			$= (n - 3)5^n + 5 \cdot (-3)^n$ $[\lambda = \quad]$
			$= 2^n - n^2$ $[\lambda = \quad]$
			$= n3^n + 3$ $[\lambda = \quad]$

$a_{n+2} - 9a_n =$ $\lambda = 3, -3$ $a_{h,n} = u3^n + v(-3)^n$	$a_{n+2} - 3a_{n+1} + 2a_n =$ $\lambda = 1, 2$ $a_{h,n} = u + v2^n$	$a_{n+2} - 4a_{n+1} + 4a_n =$ $\lambda = 2 (2\times)$ $a_{h,n} = u2^n + vn2^n$	$L = /$ $= b_n$
$(An + B)5^n + Cn \cdot (-3)^n$	$(An + B)5^n + C \cdot (-3)^n$	$(An + B)5^n + C \cdot (-3)^n$	$= (n - 3)5^n + 5 \cdot (-3)^n$ $[\lambda = 5, -3]$
$A \cdot 2^n + Bn^2 + Cn + D$	$An \cdot 2^n + (Bn^2 + Cn + D)n$	$An^2 \cdot 2^n + Bn^2 + Cn + D$	$= 2^n - n^2$ $[\lambda = 2, 1]$
$(An + B)n3^n + C$	$(An + B)3^n + Cn$	$(An + B)3^n + C$	$= n3^n + 3$ $[\lambda = 3, 1]$