		ℓ odd	ℓ even	
			ℓ' even	ℓ' odd
A_n	n odd ($r = 1$ or 2)	$r = 2, z = \frac{\ell \pm 1}{2}$	$r = 1, z = 1, \ell - 1$ or $r = 2, z = \ell' \pm 1$	$r = 1, z = 1, \ell - 1$
	n even ($r = 1$)	$z = \frac{\ell \pm 1}{2}$	$z = 1, \ell' \pm 1, \ell - 1$	$z = 1, \ell - 1$
B_n		$\ell < 2n + 5$, unknown	$r = 1, z = 1, \ell' \pm 1, \ell - 1$	
		$\ell \geq 2n + 5$, never		
C_n				
D_n				
E_n				
F_4				
G_2				