PREHOMOGENEOUS SPACES ASSOCIATED WITH NILPOTENT ORBITS IN TYPE G

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Nilpotent orbits in type G				
Orbit	$K_{\mathbb{C}}$ Diagram	i	$\dim \mathfrak{g}_{\mathbb{C}}^i \cap \mathfrak{p}_{\mathbb{C}}$	Highest weights of $\mathfrak{g}_{\mathbb{C}}^i \cap \mathfrak{p}_{\mathbb{C}}$
1	$\overset{\circ}{1}$ $\overset{\circ}{1}$	1	2	$(1,1)$ $(3,-1)$
		2	1	$(3,1)$
2	$\overset{\circ}{1}$ $\overset{\circ}{3}$	1	1	$(-1,1)$
		2	1	$(1,1)$
		3	1	$(3,1)$
3	$\overset{\circ}{2}$ $\overset{\circ}{2}$	2	2	$(1,1)$ $(3,-1)$
		4	1	$(3,1)$
4	$\overset{\circ}{0}$ $\overset{\circ}{4}$	2	4	$(3,1)$
5	$\overset{\circ}{4}$ $\overset{\circ}{8}$	2	2	$(-1,1)$ $(3,-1)$
		6	1	$(1,1)$
		10	1	$(3,1)$

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