Statistics on Families of Graphs

	P_n	C_n	K_n	$K_{m,n}$	W_n	St_n	Trees
$\|V(G)\|$ Number of vertices							n
$\|E(G)\|$ Number of edges							$n-1$
$\delta(G)$ min vtx degree							
$\Delta(G)$ max vtx degree							
$\kappa(G)$ connectivity							
$\lambda(G)$ edge connectivity							
$\omega(G)$ clique number							
g(G) min cycle length							
diam(G) max vtx distance							
$\alpha(G)$ max indep set							
$\beta(G)$ min vtx cover							
Is G regular?							

Statistics on Individual Graphs

	P Petersen	T Tetrah.	C Cube	O Octoh.	I Icosah.	D Dodecah.	Gr Grötzsch
$\|V(G)\|$ Number of vertices							
$\|E(G)\|$ Number of edges							
$\delta(G)$ min vtx degree							
$\Delta(G)$ max vtx degree							
$\kappa(G)$ connectivity							
$\lambda(G)$ edge connectivity							
$\omega(G)$ clique number							
g(G) min cycle length							
diam(G) max vtx distance							
$\alpha(G)$ max indep set							
$\beta(G)$ min vtx cover							
Is G regular?							