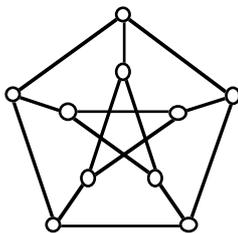
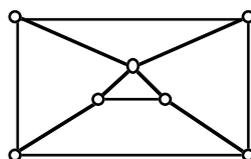
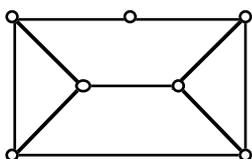


2.14 ESERCIZIO. Si determinino i valori $\alpha(G)$, $\theta(G)$, $\chi(G)$ e $\omega(G)$ del grafo di Petersen (figura 2.1) e dei grafi nelle figure 2.2, 2.9, 2.10, 2.13 e 2.14.

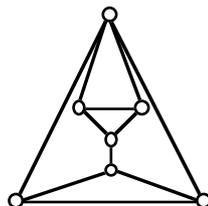
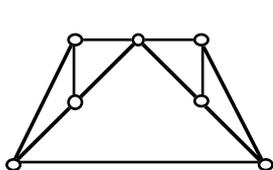
SOLUZIONE.



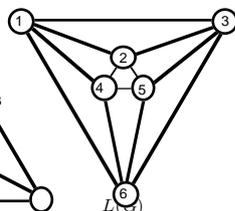
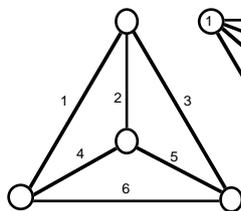
$$\alpha(G) = 4; \quad \theta(G) = 5; \quad \omega(G) = 2; \quad \chi(G) = 3;$$



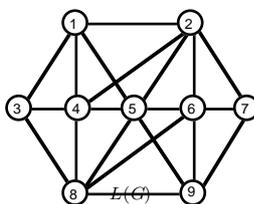
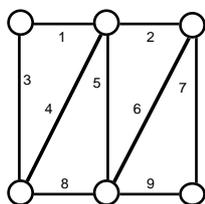
$$\alpha(G) = 3; \quad \theta(G) = 3; \quad \omega(G) = 3; \quad \chi(G) = 3;$$



$$\alpha(G) = 2; \quad \theta(G) = 3; \quad \omega(G) = 3; \quad \chi(G) = 4;$$



$$\begin{aligned} \alpha(G) &= 1; & \theta(G) &= 1; & \omega(G) &= 4; & \chi(G) &= 4; \\ \alpha(L(G)) &= 2; & \theta(L(G)) &= 2; & \omega(L(G)) &= 3; & \chi(L(G)) &= 3; \end{aligned}$$



$$\begin{aligned} \alpha(G) &= 2; & \theta(G) &= 2; & \omega(G) &= 3; & \chi(G) &= 3; \\ \alpha(L(G)) &= 3; & \theta(L(G)) &= 4; & \omega(L(G)) &= 4; & \chi(L(G)) &= 4; \end{aligned}$$