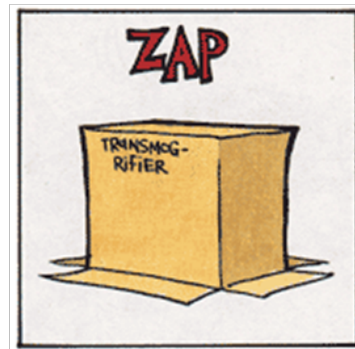
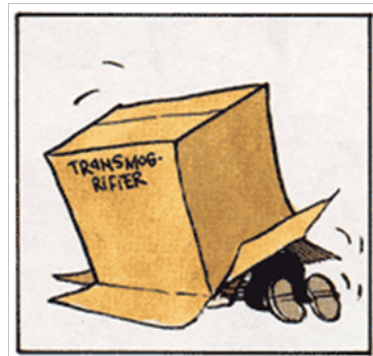
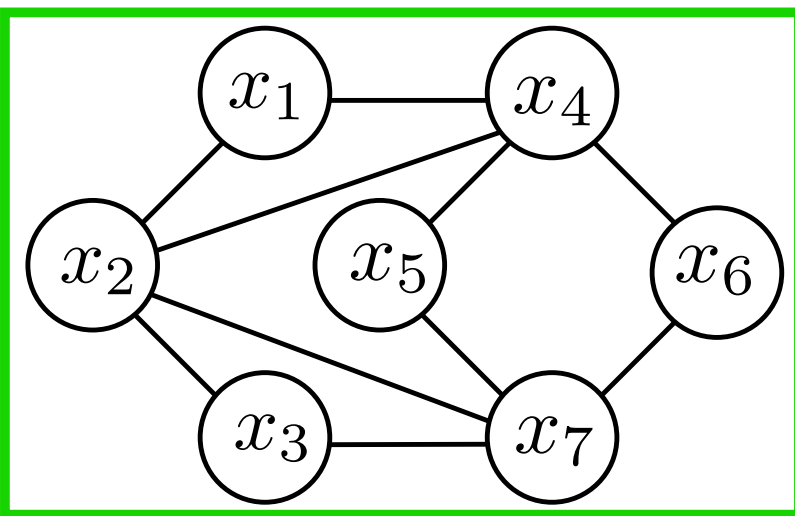
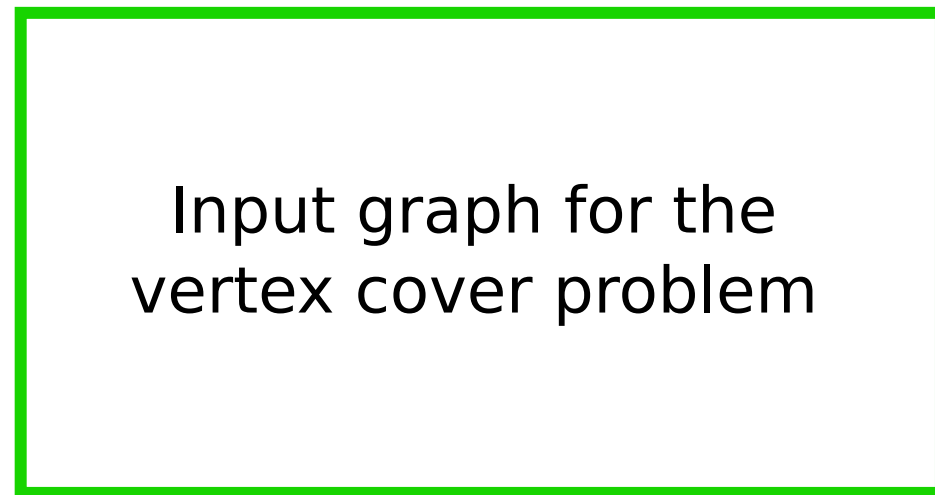


$k = 3$



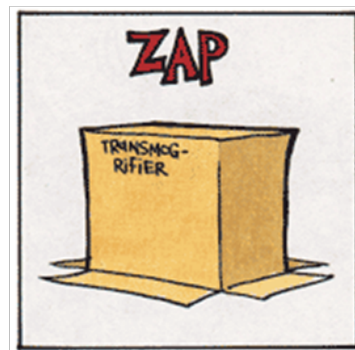
$l = ?$



Yes

No

**Black box algorithm
for solving
vertex cover**



Yes, there is an
independent set of size
at least 3

No, every independent
set is of size 3 or less