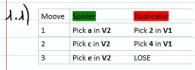
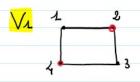
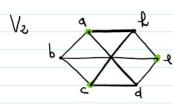
TaielloRiccardo1914000

menica 12 aprile 2020 16:01







Duplicator doesn't win because after three mooves, because there aren't three distinct vertex in V1 s.t. there isn't an edge between them

The following first order sentence of rank-3 witnesses the Spoiler's win

$$\forall x \forall y [x \neq y \longrightarrow E(x,y)]$$

G has degree at least 2

7) Let **V** the set of vertices of the graph, let **S** a <u>proper</u> subset of **V**.

- 1 There exists an element in S, we ensure that S is not empty
- There exists an element in V-S, we ensure that S has less element rather than V
- This ensure that there aren't a paths, which goes from an element of S to an element of V-S
- Let f an injective function, which indentifies a number of vertices of the graph s.t. the first k vertices form a k-clique.