



Math for the people, by the people.

saturate

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Let  $G(V, E)$  be a graph and  $M$  a matching in  $G$ . A vertex  $v \in V(G)$  is said to be *saturated by  $M$*  if there is an edge in  $M$  incident to  $v$ . A vertex  $v \in V(G)$  with no such edge is said to be *unsaturated by  $M$* . We also say that  $M$  *saturates  $v$* .