

Propositional Variables Want a formula that means *G* is 3-colorable Do this using variables $R_1 \ W_1 \ B_1$ which will mean that vertex 1 is colored Red, White, or Blue













SAT vs 3-Color For any simple graph G construct Prop_G similarly. G is 3-colorable iff Prop_G is satisfiable

Albert R Meyer, October 26, 2017

SATcolor

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