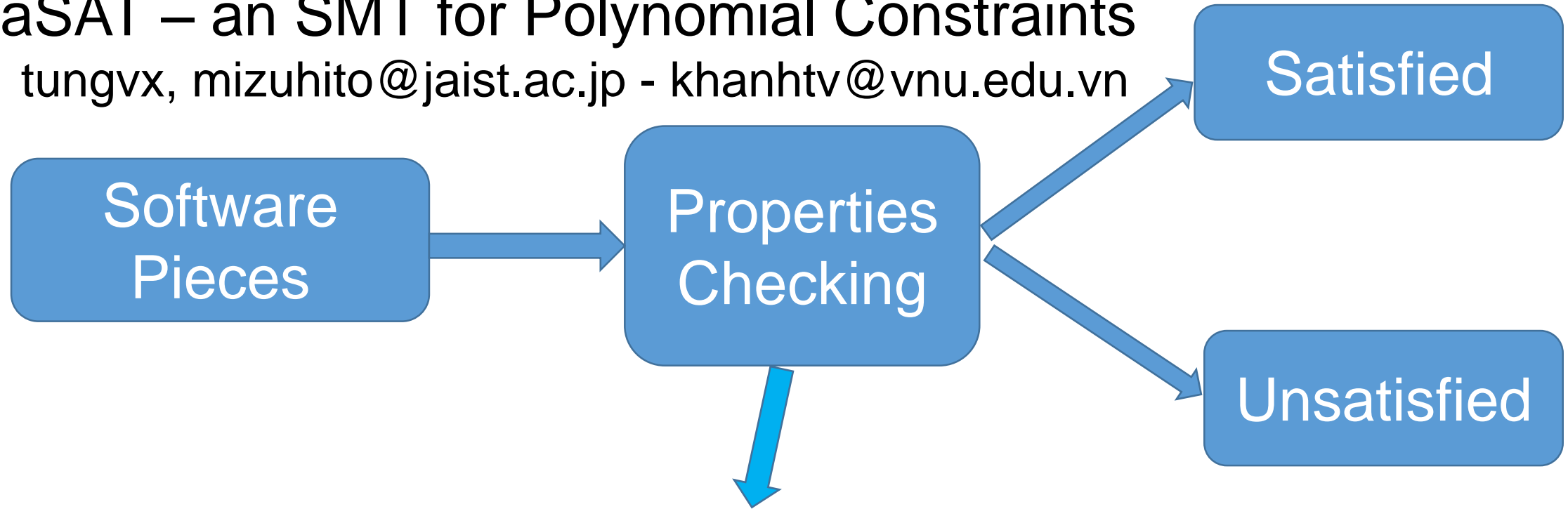


raSAT – an SMT for Polynomial Constraints

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Need to solve Polynomial Constraints: e.g. $y^2 + y - x^2y + 1 < 0$

- Current Method: QE-CAD - 2^{2^n} operations - n is the number of variables
 $n = 6 \rightarrow 2^{2^6} = 1.8446744e+19$ CPU of 4GHz \rightarrow 148 years
- A Practically Efficient Method for a Simplified Problem?