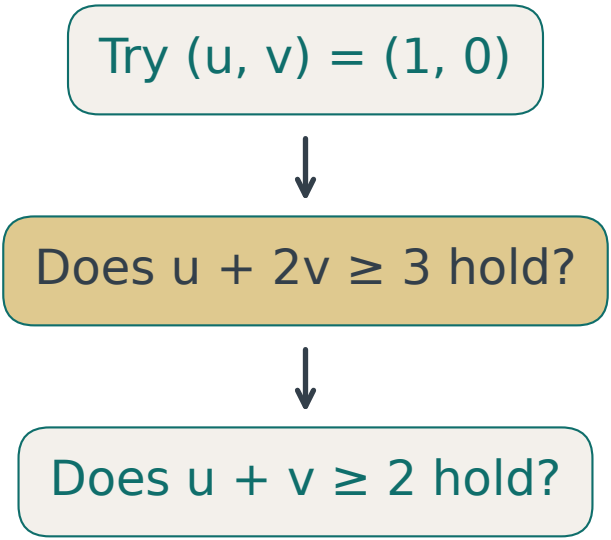

Try (u, v) = (1, 0)
Does u + 2v ≥ 3 hold?
Does u + v ≥ 2 hold?