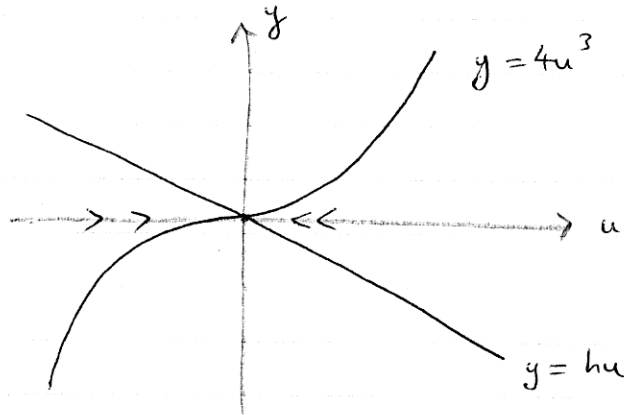


c) $u' = hu - 4u^3$

Zeros: $hu - 4u^3 = 0 \Leftrightarrow u(h - 4u^2) = 0$

$u = 0 \iff u = \pm \sqrt{\frac{h}{4}}$

$h < 0 \Rightarrow$ one critical point $u^* = 0$ STABLE



$h > 0 \Rightarrow$ three critical points $u^* = 0$ UNSTABLE

$u^* = \pm \sqrt{\frac{h}{4}}$ STABLE

