18.09 Pset 2 Solutions PSET #2

Problem 2:

$$U_{x}xy^{3}+a^{3}$$
 $U_{x}=y^{2}+5ax^{2}=Vy \Rightarrow V=\frac{y^{3}}{3}+5ax^{2}y+y^{2}(x) \Rightarrow baxy+y^{2}(x)=-axy$

Anoptic if
 $U_{x}=Vy$
 $U_{x}=Vy$
 $U_{y}=-\lambda xy+y = Vx$
 $V_{x}=baxy+y^{2}(x)=-axy$
 $y^{2}(x)=-axy$
 $y^{2}(x)=-axy$
 $y^{2}(x)=-axy$
 $y^{2}(x)=-axy$
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$$y^{2}(x)=-$$