Stocks = $[0, 100, 1, 3]$

Stocks	Buy1	Profit 1	Buy2	Profit2
$[0]$	$(\underline{0}, max)$	$(0-0, min)$	$(\underline{0}, 0\cdot 0)$	$(0-0, min)$
$[0,100]$	$(\underline{0}, 100)$	$(0, \underline{100-0})$	$(\underline{0}, 100-100)$	$(0, \underline{100-0})$
$[0,100,1]$	$(\underline{0}, 1)$	$(\underline{100}, 1-0)$	$(0, \underline{1-100})$ $= -99$	$(\underline{100}, 1-(-99))$
$[0, 100, 1, 3]$	$(\underline{0}, 3)$	$(\underline{100}, 3-0)$	$(\underline{-99}, 3-100)$ $= -97$	$(100, 3-(-99))$ $= 102$

We need to subtract profit1 from buy2
so that it can be eventually added to
profit 2 to get max profit
$\Rightarrow$ We need to minimize buy2.