

I have made the following corrections to SOA 300 solutions April 27, 2012:

96. in the line immediately following $APVFP = APVFB$, replace ${}_2p_x$ with ${}_2p_{x+3}$.
158. in the second line, replace $\left(41 \frac{1}{10} \overline{|\cdot|} 10v^{10} {}_9|q_{41}\right)$ with $\left((IA)_{41:\overline{10}}^1 - 10v^{10} {}_9|q_{41}\right)$.
227. in the line immediately before “ ${}_1L|K_x > 0$ can take on two possible values”, replace -0.1303 with $= 0.1303$. In the last equation, the squared should be after the second parenthesis.
235. in the second equation, replace $0.9G = 1.5$ with $0.9G - 1.5$.
244. ${}_4AS$ before assumption change is 37.73 not 37.33.
273. replace each x with 30 and each y with 50.
289. I forgot to put steps 2 and 3 in there:
 Step 2 - Calculate the profit signature

Year	${}_{t-1}p_x$	Profit	Π_t
0		-1000.00	-1000.00
1	1.000	573.80	573.80
2	0.986	316.50	312.07
3	0.971	6.00	5.83

Step 3 - Calculate the NPV

$$NPV = -1000.00 + 573.80v_{0.1} + 312.07v_{0.1}^2 + 5.83v_{0.1}^3 = \boxed{-216.07}$$

293. in the table, replace 92.50 with 92.00.
295. in the second piece of the right hand side of the equation, replace 52,850 with 52,860 (in the denominator).
296. in the equation following “For type A we have”, replace the green $(100,000 - A_{37})$ with $(100,000 - A_{37})vq$. In the fourth line there are two places where you need to replace A_{37} with AV_{37} . Add “ $q = {}_{1/12}q_{63}$ and $v =$ monthly discount factor” to the top of the solution.