As it shows on the probable, chald order 200

2.
$$\frac{1}{1000}$$
 Prob VAC. Prof: Supply. Profess totalists

100 0.05 1004/50-1004/500 (150-50)x)00=20000

150 0.25 15000 20000

200 0.3 200 x/50=30000 20000

250 0.24 200x/50=30000 20000

Expect prof: VAC = 0+0.25x/500+0.7x30000 = 24/50

Supply = 20000

CM = 24/50+20000 = 44/50

3. $Cu' = Cu = 150$ $Co' = 150 - X = 75$
 $Co' = Cu' = 50$ $Co' = 150 - X = 75$
 $Co' = 150 - 150$ the to the table, they should order 250

 $\frac{Cu = (p(0 - 300 = 150)) - (co = 150)}{Cu + (co = 150 + 150)} = 0.5$

4. DEM Supply. Profces VAC. Profes Prob total(\$) Nov 0.05 (OC) 0.25 /50 1)500 \Z∞0 3)500 0.3 7972° 4)500 71520 Z00 62500 3)5°° 72000 0.24 720 62500 3/500 0.16 25000 300 27 ject: VAC=0.05x3)50+0.25x/5000+0.3x26250+ 0.4x3/500=268125. Supply = 0.05 x 13/50 + 0.25 x/200 + 0.3 x21250 + 0.4x25000 =2143).5 call = 48250 L. Yes. I would recommend such a buyback contract, as the profits of VAC and the antive supply chain improve without hurting the profits of supplier.