How do results of Taylor model depend on overlapping of pricesetting Jecisions? What if price adjustments are synchronited?

a) What is
$$x_t = p_{it} = p_{it+1}$$
?

Recall $p_{it} = E\begin{bmatrix} \mathcal{E} \\ t = 0 \end{bmatrix} \omega_0 p_{it}$

Here, $x_t = p_{it} = \frac{1}{2}p_{it} + \frac{1}{2}E_t p_{it+1}$

$$x_{+} = \frac{1}{2} (\beta m_{+} + (1-\beta) p_{+})$$

+ $\frac{1}{2} (\beta E_{+} m_{+}, + (1-\beta) E_{+} p_{+},)$

c) What's y in each period, assuming mt, = mt tety

Pt = Ptn = 2 mt + 2 mt = mt

Nence Et mt, = mt

Yt = mt - Pt = mt - mt = 0

Yt = mt, - Pt = mt, - Pt = mt, - mt = etx

Note: Ø doesn't natter for effect of e on y

etx1 won't affect y t+2) ytx3, ---

Yt+z = 0 Yt+z = et+3 < (uncorrelated with et