Ex 5 Solution

ansur provided

Lemplate: < 44,41-17

Lemplate: < 4, 41-1>

$$\oint_{1}^{0H} \left\{ y_{t} = 1, x_{t} = We^{n} \right\}$$

$$\oint_{2}^{0H} \left\{ y_{t} = 1, x_{t} = are^{n} \right\}$$

$$\oint_{3}^{0H} \left\{ y_{t} = 1, x_{t} = cleue^{n} \right\}$$

$$\phi_{q}^{\text{obs}} = \left( \begin{array}{c} y_{t} = 7 \\ y_{t} = 7 \end{array} \right) \times_{t} = \left( \begin{array}{c} w_{t} \\ w_{t} \\ w_{t} \end{array} \right) \\
\phi_{s}^{\text{obs}} = \left( \begin{array}{c} y_{t} = 7 \\ y_{t} = 7 \end{array} \right) \times_{t} = \left( \begin{array}{c} w_{t} \\ w_{t} \\ w_{t} \end{array} \right) \\
\phi_{b}^{\text{obs}} = \left( \begin{array}{c} y_{t} = 7 \\ y_{t} = 7 \end{array} \right) \times_{t} = \left( \begin{array}{c} w_{t} \\ w_{t} \\ w_{t} \end{array} \right)$$



use that for  $a \ge 0$ :  $\max (a+b, a+c) = a + \max (b, c)$ 

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1 S; (.) and 4: (.) are discrete functions, with domai and varge E each, with Yt: Yte E Now let E = 31,..., N) without generality"; Cox i= 1, ..., N  $\int_{\Lambda} (i) = b(i, \times, \Lambda)$ Ya(i) = -1 ("not defred" / we will work we then for t=2, ... T for j = 1,..., U de(i) = max: (de-1(i) + a(i,i) + b(j,x,t)  $\psi_{t}(j) = argmax_{t}(\delta_{t-1}(i) + a(i,j) + b(j,x,t)$ content witi/
can be
yound ŷt = argmax; OT(i) Cer t= T-1,..., 1 yt= Ytan (Ytan)

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