

HW 2 - PADI

5 - without persenge

1) a) $\chi = 31$, 2s, 2c, 3s, 3c, 4s, 4e, e with passenge the Seven possible squares where it can be.

PiG 7

 $C(n_{1}a) = 1 \begin{cases} 0.5 & 0 & 0.5 & 0.5 \\ 0.5 & 0 & 0.5 & 0.5 \\ 0.5 & 0 & 0.5 & 0.5 \end{cases}$ $\frac{35}{35} \quad 0 \quad 0.5 \quad 0.5 \quad 0 \quad 0.5 \quad 0$

G)
$$J^{\pi} = (I - \gamma P_{\pi})^{-1} e_{\pi c} = 0.35$$

 $= (I - 0.9 \cdot P_{down})^{-1} \cdot [0 \ 0 \ 1 \ .5 \ .5 \ .5)^{T} = [4.39 \ 4.39 \ 5.61 \ 5 \ 5 \ 5)^{T}$