$$N_{r.3}$$
)

d)  $J_{cl} = \frac{1}{14}$ ,  $N_{en} = \frac{5}{14}$ 
 $\Rightarrow S = -\frac{9}{14}$ ,  $l_{cy_2}(\frac{9}{14}) - \frac{5}{14}$ ,  $l_{cy_2}(\frac{5}{14}) \approx 0.94c3$ 

$$15(a) = \frac{3+3}{9+5} \cdot \pm (3,3) + \frac{2+6}{9+5} (1(2,6))$$

$$1/(4) = \frac{3+3}{9+5} \cdot \pm (3,3) + \frac{2+6}{9+5} (1(2,6))$$

$$1/(4) = \frac{3+3}{9+5} \cdot \pm (3,3) + \frac{2+6}{9+5} (1(2,6))$$

$$1/(4) = \frac{3+3}{9+5} \cdot \pm (3,3) + \frac{2+6}{9+5} (1(2,6))$$

$$1/(4) = \frac{3+3}{9+5} \cdot \pm (3,3) + \frac{2+6}{9+5} (1(2,6))$$

$$= \frac{6}{14!} \left[ -\frac{3}{6} \log_2(\frac{3}{6}) - \frac{3}{6} \log_2(\frac{3}{6}) \right] + \frac{8}{14!} \left[ -\frac{2}{8} \log_2(\frac{2}{8}) - \frac{6}{8} \log_2(\frac{3}{8}) \right]$$

$$\approx 0.89^2 2$$

$$=>gin(a) = \frac{1(95)}{25} - E(a) = 20.048$$

## c) Stelp Bythen