Figure 42 depicts all
$$V_K$$
 for the random policy $q_R(11, down) = \frac{R(11, down, shade)}{L_2 + U^R(shade)}$

$$q_{\pi}(1, down) = R(1, down 11) + V^{\pi}(11)$$
L> -1

(b)
$$V_{\pi}(s) = R_{\pi}(s) + \sum_{s'} \frac{1}{4} V^{\pi}(s')$$

$$= -1 + \frac{1}{4} \left\{ -20 - 22 + 14 + V_{\pi}(15) \right\}$$

$$= -15 + \frac{V_{\pi}(15)}{4}$$

$$V_{\pi}(15) = -15$$

$$V_{\pi}(15) = -20$$

Setting S to S=15 is exactly the same state, S=13. This means nothing is changed, thus $V_{72}(15)=20$