

# CS486 AY18-1 homework 5 solution.

	0 START ✓			
	5 ✓	30 >	40 ✓	0 +200
	10 >	20 ^	35 ✓	0 -200
	10 ^		35 ✓	
0 +100	20 >	20 >	20 >	0 +400
			0 -400	

$k=0$

	0			
	0	0	0	<div>0</div>
	0	0	0	<div>0</div>
	0		0	
<div>0</div>	0	0	0	<div>0</div>
			<div>0</div>	

$k=1$

	7.5			
	15	20	27.5	+200
	10	30	17.5	-200
	5		10	
+100	10	10	0	+400
			-400	

Values following original policy and new extracted policy (arrows).

See supporting q-values on next page.

$h=2$

	12.5 ✓			
	20 >	76.875 >	31.875 >	+200
	-32.5 ✓	40 ^	-80 ^	-200
	9.375 ✓		-90 ^	
+100	112.5 >	110 >	200 >	+400
			-400	

## Q-values for k=2

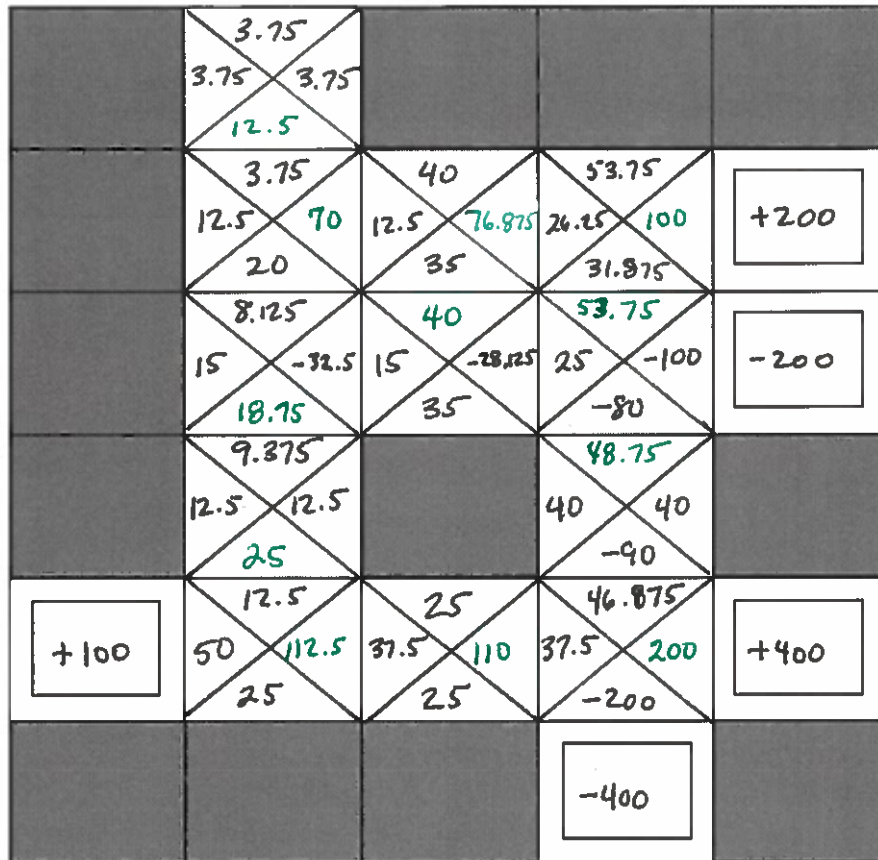


Figure 2: GrayWorld<sup>®</sup>