	p(5,2)-6
0	Machine Learning HW 2 Positive rays: m+(N)=N+1
1.	10 (V) (0 V V - 11
	V = 2 $V = 2$ $V = 2$ $V = 1$ $V = 2$ $V =$
	=> K=2 is the smallest break point
	Positive intervals: m+(N) = = 1N2 + = N+1
	$\frac{1}{2}(9) + \frac{1}{2}(3) + 1 = 7, 7 + 2^3 = 7 + 28$
	[K=3=7smallest breakpt.
	dvc = 2
	Convex sets: $m_+(N) = 2^N = > break pt.$ when $2^k + 2^k = > [k=\infty] = > smallest break pt.$
	dvc = 00
2.	a) $B(4,1)=1$ b) $B(4,2)=5$ $X_1 X_2 X_3 X_4$ $O O O O$
	X1 X2 X3 X4
	0 0 0 0
	0 0 0 0
	0000
	0 0 0
	c) B(5,2)=6 X1 X2 X3 X4 X5
	0 0 0 0 6
	0 0 0 0
	=> 8(5,2) = 6 0 0 0
	001761717
	6 = 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 +
	B(5,2) < B(4,1) + B(4,2)