255	18565	0.464125	p = freq/total = 18565/400000									1
185	7000	0.175	p = freq/total = 7000/400001									
216	5000	0.125	p = freq/total = 5000/400002									
36	4487	0.112175	p = freq/total = 4487/400003									
108	3723	0.093075	p = freq/total = 3723/400004									
180	805	0.020125	p = freq/total = 805/400005									
86	420	0.0105	p = freq/total = 420/400006									
total	200 x 200											
p(255)=0.4641	1	1	0.4641	1	0.4641	1	0.4641	1	0.4641	1	0.4641	1
p(185)=0.1750	3	0|0|0	0.175	0|0|0	0.175	0|0|0	0.175	0|0|0				
p(216)=0.1250	3	0|0|1	0.125	0|0|1	0.125	0|0|1	0.125	0|0|1	0.3	0|0	0.5359	0
p(36)=0.1122	4	0|1|0|1	0.1122	0|1|1	0.1122	0|1|0	0.2359	0|1	0.2359	0|1		
p(108)=0.0931	4	0|1|0|0	0.0931	0|1|0|0	0.1237	0|1|1						
p(180)=0.0201	5	0|1|0|1|0	0.0306	0|1|0|1								
p(86)=0.0105	5	0|1|0|1|1										
Average Bits per Symbol	2.226075	Lavg = 0.464125 * 1 + 0.175 * 3 + 0.125 * 3 + 0.112175 * 4 + 0.093075 * 4 + 0.020125 * 5 + 0.0105 * 5										
total size bits	89043	Lavg * 200 * 200 or 2.33825 * 200 * 200										
total size kb	10.86950684	total size = 93530 / 8192										
original in bits	320000	total size = 200 * 200 * 8										
original in kb	39.0625	total size = 320000 / 8192										
compress rate (c)	3.593769302	c = 39.0625/11.417										
percent decrease (r)	72.1740625	r = (1 - (1/4.321)) * 100										