Zonal Informatics Olympiad, 2011: $Answer\ sheet$

1.	(a) Minimum number of steps:	17
	(b) Minimum number of steps:	51
	(c) Minimum number of steps:	48
2.	(a) $N = 5, K = 76$	1 3 5 2
	(b) $N = 7, K = 4197$	4 2 1 3
	(c) $N = 9, K = 191082$	6 8 4 1
3.	(a) Number of pairs:	37
	(b) Number of pairs:	45
	(c) Number of pairs:	54
4.	(a) First row:	0 1 1 1
	(b) First row:	1011
	(c) First row:	1011