Problem 1

<http://ideone.com/1mcKmj>

Problem 2

<http://ideone.com/Q6wb7C>

Problem 3

<http://ideone.com/6ZGabR>

Problem 4

<http://ideone.com/DxstEE>

Problem 5

<http://ideone.com/9dK13s>

Problem 6

<http://ideone.com/kyPF2b>

Problem 7

<http://ideone.com/jIpZeU>

Problem 8

<http://ideone.com/J9b9Eh>

Problem 9

<http://ideone.com/WcnRbg>

Problem 10

<http://ideone.com/VqOXiV>