

Recitation 3: Solutions
February 15, 2005

1. In spring and autumn, each day has one of three possible types of weather. Therefore, for each of these two seasons the total number of possible weather sequences is 3^{90} . Similarly, there are 4^{90} possible sequences for winter and 2^{90} possible sequences for summer. The total number of possible sequences is:

$$(3)^{90}(3)^{90}(4)^{90}(2)^{90} \approx 10^{167}$$

2. See online solutions.
3. See online solutions.