You have two fair dice, one red and the other blue, and each has the integers from 1 to 100, instead of the usual 1 to 6. Suppose you roll each die once. Let R and B be the numbers shown on the red and blue dice, respectively. What is the probability that $R > B$?

(a) 99/200

(b) 99/100

(c) 99/400

(d) 1/2

(e) 9/10

(f) 2/5

(g) 49/100

(h) 51/100

(i) 0

(j) None of these