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We consider the adjacency matrix of a random graph, and in particular the following two questions:

1. Is the matrix almost surely (non)-singular?
2. If the matrix is singular, how close will it likely be to full rank?

We will discuss answers to the two questions for the Erdős-Rényi graph  $G(n, p)$  with edge probability in the range  $\frac{\ln n}{2n} < p < \frac{1}{2}$ , as well as some conjectured answers for the case of random regular graphs. (Received September 06, 2006)