Suppose you flip one fair coin and one biased coin whose probability of Heads is $1/3$. What is the probability that you get at least one Head?

  (a) $2/3$

  (b) $1/3$

  (c) $3/4$

  (d) $5/6$

  (e) $1/2$

  (f) $1/9$

  (g) $2/9$

  (h) $1/6$

  (i) $1/4$

  (j) None of these