

What is the probability that a Poisson random variable with mean 2 is at least as large as  $1/2$  ?

- (a)  $(e^2 - 1)/e^2$
- (b)  $1/e^2$
- (c)  $e^2/(e^2 + 1)$
- (d)  $(e - 1)/e^2$
- (e)  $(e^2 - 2)/e^2$
- (f)  $(e^2 - 1)/(e^2 + 1)$
- (g)  $(e^2 - 1)/2e^2$
- (h)  $1/e$
- (i) 1
- (j) 0
- (k)  $1/2$
- (l) None of these