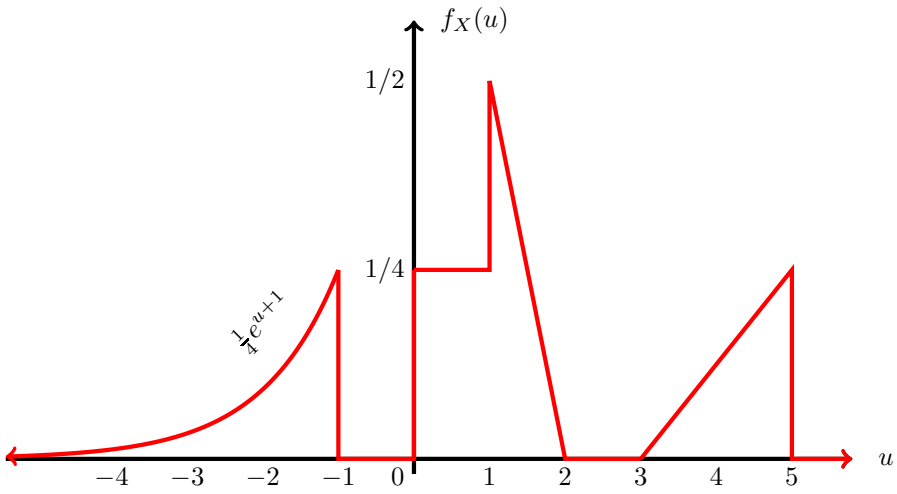
A random variable X has probability density function (pdf) shown below.



What is the cummulative distribution function (CDF) difference $F_X(2\pi) - F_X(4)$?

(a) 3/16

(b) 3/8

(c) 3/4

(d) 1/16

(e) 1/8

(f) 1/4

(g) 1/2

(h) 5/8

(i) 5/16

(j) 11/16

(k) 1

(l) 0

(m) None of these.