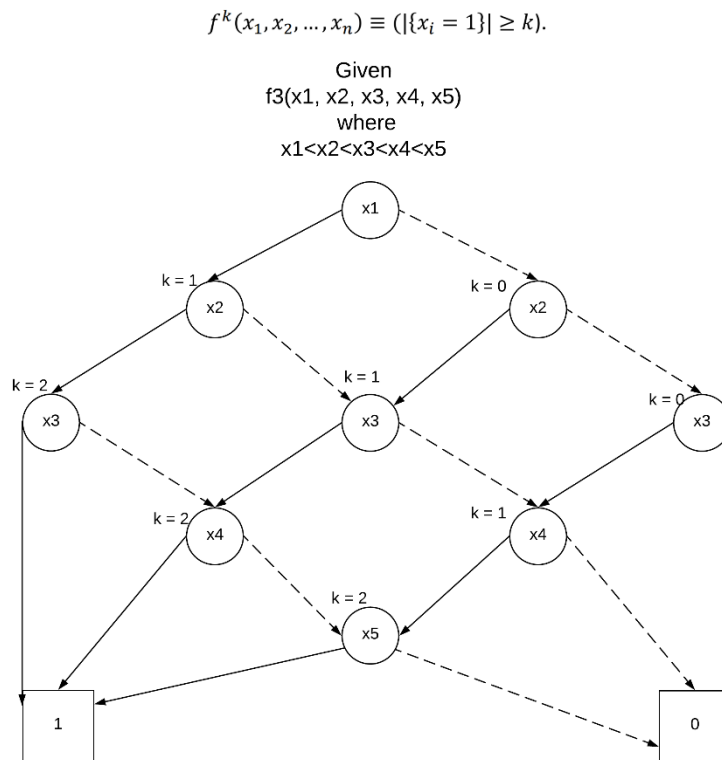


Exercise 7 answers

Answers 1 + 2



Answers 3

The size of the reduced ordered binary decision diagram of $f^k(x_1, x_2, \dots, x_n)$ is $O(kn)$ because given n Boolean variables one needs at least k true variables. Thus the tree can at most be n in depth and at most k in the branching factor yielding a total node size of $O(kn)$