We return to our original caller-function. In line 13, tral [o] is assigned false and again the similar process as above is repeated. . The total no. of combinations for n=1 is 2=2, which is correct. Inductive hypothesis: for a particular K=n, the function all comb() prints all possible combinations of partie truth values of narbitrary hoolean variables. Suppose for the sake of convention, we name them x_1, x_2, \ldots, x_n . There a total of 2n possible truth assignments. Induction Step: Let, K=n+1. Let us name the Boolean variables 21,75,...,7m, Not, wlog. Initially, begin=0. . Since, begin = n, we evaluate the else block in line 9. We assign tral[0]=true on Line 11. all-comb(tral, 1, to nt) correctly computes all possible truth value assignments of the n variables kers, Innover by the induction by pothesis. We get 2h such truth assignments On line 13, we assign false to tral [0]. Similarly, by induction hypothesis, all comb(tval, 1, 141) correctly computes the 2n truth value assignments of Including 2017, the total no. of possible truth value assignments:

21-27=21+1, which is correct. 22,, 2nt1 A) Write a c program that prints out the integer values of 1/4,2 in according order.

The full program is on no Do . The full program is on my P.C. void sort_three (int 2, int y, int 2) (Y=Y)i if (7=4) (64, y, z in ascending order is 1-d-1-d-1-d-1-d", y, z, x);