



(b) i. 1,2,3,4,5,6,7,8,9,10,11

ii. 1,2,4,8,9,5,10,11

iii. 1,2,3,4,5,6,7,8,9,10,11

(c) Would work well. From start: branch factor = 2, from goal: branch factor = 1

(d) Moving backwards from the goal is easier than finding the goal

(e) If goal is odd, subtract 1, divide by 2 until odd, repeat until you hit 1 (subtract 1 & divide = move left from goal, divide by 2 means move right from goal). Play those moves backwards and you have your path.