Alexander Molodyh

Class: CS361

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Exercise #1 CS361 Winter 2017 Due 1/30/2017.

1. Multiple choice
   1. T(n) = 3T(n/2) + n = Θ(). In addition, you achieve this by using Master Theorem’s with case?
      1. Case 1 ←
      2. Case 2
      3. Case 3
   2. T(n) = 4T(n/2) + n = Θ(). In addition, you achieve this by using Master Theorem’s with case?
      1. Case 1←
      2. Case 2
      3. Case 3
   3. T(n) = 3T(n/3) + n = Θ(). In addition, you achieve this by using Master Theorem’s with case?
      1. Case 1
      2. Case 2←
      3. Case 3
   4. T(n) = 2T(n/2) + n = Θ(). In addition, you achieve this by using Master Theorem’s with case?
      1. Case 1
      2. Case 2←
      3. Case 3
   5. T(n) = 7T(n/3) + n = Θ(). In addition, you achieve this by using Master Theorem’s with case?
      1. Case 1←
      2. Case 2
      3. Case 3