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| **Skill 28.3 Exercise 1** | |
| Complete the stack diagram for the code block shown | |
| class Main {  public static void main(String[] args) {  Recursion.reduceByOne(4);  }  }  class Recursion{  public static void reduceByOne(int n){  if(n > 0){  reduceByOne(n-1);  }  }  } | **Stack** |
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| **Skill 28.4 Exercise 1** |
| Complete the stack diagram for the code block shown, then indicate the output. |
| class Main {  public static void main(String[] args) {  System.out.println(Recursion.pls(4));  }  }  class Recursion{  public static int pls(int n)  {  if (n == 0)  return 5;  else if (n == 1)  return 11;  else  return pls(n - 1) + 2 \* pls(n - 2);  }  } |
| **Stack** |
|  |
| **Output** |
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| **Skill 28.4 Exercise 2** | | |
| Complete the stack diagram for the code block shown, then indicate the output. | | |
| class Main {  public static void main(String[] args) {  System.out.println(Recursion.homer(9));  }  }  class Recursion{  public static void homer(int n)  {  if (n <= 1)  System.out.print(n);  else  homer(n / 2);  System.out.print(“,” + n);  } | **Stack** | **Output** |
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