

## 11. Scheda di lavoro (ricorsione: Olimpiadi Informatica 2003)

19/10/2018

<pre> package dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= A(n);         System.out.println(y);     }     static int A(int N) {         if (N &gt; 0)             return A(N - 1) + A(N - 1);         else             return 1;     } } </pre>	<pre> package dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= B(n);         System.out.println(y);     }     static int B(int N) {         if (N &gt; 0)             return B(N - 1) + 2 * N - 1;         else             return 0;     } } </pre>
<pre> apackage dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= C(n);         System.out.println(y);     }     static int C(int N) {         int i, R;         R = 1;         for (i = 0; i &lt; N; i++)             R = R + R;         return R;     } } </pre>	<pre> package dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= D(n);         System.out.println(y);     }     static int D(int N) {         int i, R;         R = 1;         for (i = 1; i &lt;= N; i++)             R = R * i;         return R;     } } </pre>
<pre> package dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= E(n);         System.out.println(y);     }     static int E(int N) {         int i, R;         R = 0;         for (i = 0; i &lt; N; i++)             R = R + N;         return R;     } } </pre>	<pre> package dati.pkg1; public class Dati1 {     public static void main(String[] args) {         int n=4,y;         y= F(n);         System.out.println(y);     }     static int F(int N) {         if (N &gt; 1)             return N * F(N - 1);         else             return 1;     } } </pre>