

2018

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| ( )                        |           |                 |                       |
| 001                        |           |                 |                       |
| 081200                     |           |                 |                       |
| 01<br>02<br>03<br>04       | C<br>2007 | C++<br><br>Java | 4<br>2007<br><br>2008 |
| 085211                     |           |                 |                       |
| 01<br>02<br>03<br>04<br>05 | C<br>2007 | C++<br><br>Java | 4<br>2007<br><br>2008 |
| 083500                     |           |                 |                       |
| 01                         | C         |                 |                       |

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|----------------------|---------------------------------------------------|-----------------|-----------------------|
| 02<br>03<br>04       | 2007<br><br>2009 11                               | C++<br><br>Java | 2007<br><br>2008      |
| 085212               |                                                   |                 |                       |
| 01<br>02<br>03       | C<br>2007<br><br>2009 11                          | C++<br><br>Java | 4<br>2007<br><br>2008 |
| 002                  |                                                   |                 |                       |
| 080900               |                                                   |                 |                       |
| 01<br>02<br>03<br>04 | ( )<br>2008<br>4<br>2006 5<br>( 6 ). ,<br>. ,2006 | 2006            | 2005<br><br>2006      |

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|----------------------------------|-------------------------------------------------------------------|------|--------------|
|                                  | 2<br>2007. 5                                                      |      |              |
| 085209                           |                                                                   |      |              |
| 01<br>02<br>03                   | ( )<br>2008<br>4<br>2006 5<br>( 6 ). ,<br>. ,2006                 | 2006 | 2005<br>2006 |
| 081000                           |                                                                   |      |              |
| 01<br>02<br>03<br>04<br>05<br>06 | ( )<br>2008<br>4<br>2006 5<br>( 6 ). ,<br>. ,2006<br>2<br>2007. 5 | 2006 | 2005<br>2006 |

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| 085208                     |                                                               |                                                                    |                                    |
| 01<br>02<br>03<br>04<br>05 | ( )<br><br>2008<br><br>4<br><br>2006 5<br>( 6 ). ,<br>. ,2006 | 2006                                                               | 2005<br><br>2006                   |
| 003                        |                                                               |                                                                    |                                    |
| 080800                     |                                                               |                                                                    |                                    |
| 01<br>02<br>03<br>04<br>05 | <br><br>2013<br><br>2006                                      | ( 5 )<br>2009<br><br>MATLAB<br>2011 MATLAB<br><br>2007<br><br>2007 | 2013 1<br><br>2006 4<br><br>2006 5 |
| 085207                     |                                                               |                                                                    |                                    |

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| 01<br>02<br>03<br>04<br>05 | 2013<br><br>2006 | ( 5 )<br>2009<br><br>MATLAB<br>2011 MATLAB<br><br>2007<br><br>2007 | 2013 1<br><br>2006 4<br><br>2006 5 |
| 081100                     |                  |                                                                    |                                    |
| 01<br>02<br>03             | 2013<br><br>2011 | 2012 1<br><br>2009 4                                               | 2006<br>4<br><br>2006 5            |
| 085210                     |                  |                                                                    |                                    |
| 01<br>02                   | 2013             | 2012 1                                                             |                                    |

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| 03                   |                             | 2009 4 | 4 2006<br>2006 5       |
| 085222               |                             |        |                        |
| 01<br>02<br>03       | 2011<br>2012 1<br>2009 4    |        | 2007<br>1<br>2012<br>1 |
| 004                  |                             |        |                        |
| 080200               |                             |        |                        |
| 01<br>02<br>03<br>04 | 9<br>2013<br>2002<br>MATLAB | 2004   | 2006<br>2<br>,         |

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|----------------------|------------------------------------------------------------------|--------------------------|-------------------------------------------------|
|                      | 2008                                                             |                          | , 2009<br>I 5<br>2011                           |
| 085201               |                                                                  |                          |                                                 |
| 01<br>02<br>03<br>04 | 9<br>2013<br><br>2002<br><br>MATLAB<br><br>2008<br>3<br><br>2010 | <br><br><br><br><br>2004 | 2006<br><br>2<br><br>,<br>, 2009<br>I 5<br>2011 |
| 085204               |                                                                  |                          |                                                 |
| 01<br>02<br>03<br>04 | 3<br><br>2010                                                    | 2004                     | 2<br>2009<br>I 5<br>2011                        |
| 085237               |                                                                  |                          |                                                 |
| 01<br>02             | 2010                                                             | 2010                     | 2010                                            |

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|
| 03<br>04                   | 2002<br><br>2007                                                                                                                                                                                                                                                   |  | •<br><br>2009 |
| 005                        |                                                                                                                                                                                                                                                                    |  |               |
| 081300                     |                                                                                                                                                                                                                                                                    |  |               |
| 01<br>02<br>03<br>04<br>05 | <p>1. " "</p> <p>,</p> <p>*</p> <p>(19 ) ( 4 )</p> <p>; 4</p> <p>(2010 1 1 )</p> <p>2. "</p> <p>" *</p> <p>:</p> <p>6 (2009 8 1 )</p> <p>3. "</p> <p>" *</p> <p>:</p> <p>( 2 )</p> <p>; 2 (2004 8</p> <p>1 )</p> <p>4.</p> <p>; 1 (2013 7</p> <p>1 ), 11 12 13</p> |  | /             |

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|                                         | <p>5.</p> <p>2009</p> <p>8 10 11 12 13 14</p> <p>1.</p> <p>2008</p> <p>2.</p> <p>1988 2007</p> <p>3.</p> <p>1999</p> <p>2008</p> <p>4.</p> |  |   |
| 085100                                  |                                                                                                                                            |  |   |
| <p>01</p> <p>02</p> <p>03</p> <p>04</p> | <p>1. " "</p> <p>,</p> <p>*</p> <p>(19 ) ( 4 )</p> <p>; 4</p> <p>(2010 1 1 )</p> <p>2. "</p>                                               |  | / |

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|  | <p>" *</p> <p>:</p> <p>6 (2009 8 1 ) ;</p> <p>3. "</p> <p>" *</p> <p>:</p> <p>( 2 )</p> <p>; 2 (2004 8</p> <p>1 )</p> <p>4.</p> <p>; 1 (2013 7</p> <p>1 ), 11 12 13</p> <p>5.</p> <p>2009</p> <p>8 10 11 12 13 14</p> <p>1.</p> <p>2008</p> <p>2.</p> <p>1988 2007</p> <p>3.</p> <p>1999</p> <p>2008</p> |  |  |
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|                            | 4.                                             |  |  |
| 083300                     |                                                |  |  |
| 01<br>02<br>03<br>04       | 1.<br><br>2.<br><br>2004<br><br>3.<br><br>1989 |  |  |
| 083400                     |                                                |  |  |
| 01<br>02<br>03<br>04<br>05 | 1.<br><br>2004<br><br>2.<br><br>2008<br><br>1. |  |  |

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|                             | <div>2. 1986</div> <div>3. 1999</div> <div>4. 2002</div> <div>5. 2011</div> <div>2</div> <div>2003</div> |   |   |
| 130500                      |                                                                                                          |   |   |
| <div>01</div> <div>02</div> | <div>2003</div> <div>2000</div> <div>2002</div>                                                          | / | / |
| 006                         |                                                                                                          |   |   |
| 081400                      |                                                                                                          |   |   |

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| 125100 |      |        |            |
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| 04       |   |                              |                  |
| 125300   |   |                              |                  |
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| 035101         |  |         |         |
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| 035102         |  |         |         |
| 01<br>02<br>03 |  |         |         |
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| 02 |        | 2008 |  | 2002 |
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| 009    |          |         |        |
| 070100 |          |         |        |
| 01     |          | 2001    |        |
| 02     | 2011     |         | 2004   |
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| 05     | 2003     | 2004    |        |
| 071400 |          |         |        |
| 01     |          | 2008 9  | 2008 9 |
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| 010    |          |         |        |
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| 02<br>03<br>04 | 2015<br><br>2004<br><br>2015<br><br>2008 |  | 2004<br><br>2007 |
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