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| **UTC 1.7.1** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 7+11i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“7+11i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 3.165+1.738i;  radicequad[1].toString()==-3.165-1.738i; |

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| **UTC 1.7.2** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 27-i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“27-i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 5.197+0.096i;  radicequad[1].toString()== -5.197+0.096i; |

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| **UTC 1.7.3** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -5+44i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-4+44i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 4.964+4.432i;  radicequad[1].toString()== -4.964-4.432i; |

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| **UTC 1.7.4** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -104-6i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-104-6i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 0.294-10.202i;  radicequad[1].toString()== -0.294+10.202ii; |

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| **UTC 1.7.5** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 7.1+1.1i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“7.1+1.1i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== -2.673-0.206i;  radicequad[1].toString()== 2.673+0.206i; |

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| **UTC 1.7.6** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 4.17-15.1i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“4.17-15.1i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 3.149-2.397i;  radicequad[1].toString()== -3.149-2.397i; |

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| **UTC 1.7.7** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -2.3+4.009i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-2.3+4.009i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 1.077+1.86i;  radicequad[1].toString()== -1.077-1.86i; |

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| **UTC 1.7.8** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -6.5-2.58i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-6.5-2.58i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 0.497-2.597i;  radicequad[1].toString()== -0.497+2.597i; |

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| **UTC 1.7.9** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 66, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“66”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 8.124;  radicequad[1].toString()== -8.124; |

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| **UTC 1.7.10** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -71, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-71”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 8.426i;  radicequad[1].toString()== -8.426i; |

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| **UTC 1.7.11** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 112i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“112i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 7.483+7.483i;  radicequad[1].toString()== -7.483-7.483i; |

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| **UTC 1.7.12** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -121i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-121i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 7.483-7.778i;  radicequad[1].toString()== -7.483+7.778i; |

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| **UTC 1.7.13** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 17.1, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“17.1”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 4.135i;  radicequad[1].toString()== -4.135i; |

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| **UTC 1.7.14** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -6.3, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-6.3”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 2.51i;  radicequad[1].toString()== -2.51i; |

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| **UTC 1.7.15** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: 4.98i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“4.98i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 1.578+1.578i;  radicequad[1].toString()== -1.578-1.578i; |

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| **UTC 1.7.16** | **Test ComplexNumber.squareRoot** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: squareRoot; |
| **Precondizione** | Stack: -1.11i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-1.11i”);  ComplexNumber radicequad =new ComplexNumber[2];  radicequad=num1.squareRoot(); |
| **Oracle** | radicequad[0].toString()== 0.745-0.745i;  radicequad[1].toString()== -0.745+0.745i; |

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| **UTC 1.8.1** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 7+11i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“7+11i”);  ComplexNumber segno =new ComplexNumber("0");  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -7-11i; |

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| **UTC 1.8.2** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 27-i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“27-i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -27+i; |

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| **UTC 1.8.3** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -5+44i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-4+44i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== +4-44i; |

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| **UTC 1.8.4** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -104-6i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-104-6i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 104-6i; |

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| **UTC 1.8.5** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 7.1+1.1i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“7.1+1.1i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -7.1-1.1i; |

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| **UTC 1.8.6** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 4.17-15.1i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“4.17-15.1i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -4.17+15.1; |

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| **UTC 1.8.7** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -2.3+4.009i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-2.3+4.009i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 2.3-4.009i; |

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| **UTC 1.8.8** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -6.5-2.58i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-6.5-2.58i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 6.5+2.58i; |

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| **UTC 1.8.9** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 66, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“66”);  ComplexNumber segno =new ComplexNumber(“0”);;  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -66i; |

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| **UTC 1.8.10** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -71, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-71”);  ComplexNumber segno =new ComplexNumber(“0”);;  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 71i; |

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| **UTC 1.8.11** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 112i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“112i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -112i; |

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| **UTC 1.8.12** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -121i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-121i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 121i; |

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| **UTC 1.8.13** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 17.1, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“17.1”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -17.1i; |

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| **UTC 1.8.14** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -6.3, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-6.3”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 6.3; |

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| **UTC 1.8.15** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: 4.98i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“4.98i”);  ComplexNumber segno =new ComplexNumber(“0”);  segno=num1.signChange(); |
| **Oracle** | segno.toString()== -4.98i; |

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| **UTC 1.8.16** | **Test ComplexNumber.signChange** |
| **Elementi testati** | Classe: ComplexNumber; Metodo: signChange; |
| **Precondizione** | Stack: -1.11i, 8+11i, 99, 77i, 45i; |
| **Input** | Complexnumber num1 = new ComplexNumber(“-1.11i”);  ComplexNumber segno =new ComplexNumber(“0”);;  segno=num1.signChange(); |
| **Oracle** | segno.toString()== 1.11i; |