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| **Name of Equivalence Class** | **Short Description** | **JUnit Tests** |
| Strategy-1 | Having a Straight or better | TestAIPStrategy1.java   * testRoyalFlush * testStraightFlush * testFourOfAKind * testFullHouse * testFlush * testStraight |
| Strategy-2 | One away from a Royal Flush | TestAIPStrategy2.java   * testWrongSuit * testWrongRank * testWrongSuitRank   TestAIP.java   * testAIPOneAway |
| Strategy-3 | One away from a Straight Flush |  |
| Strategy-4 | One away from a Full House |  |
| Strategy-5 | One away from a Flush |  |
| Strategy-6 | One away from a Straight |  |
| Strategy-7 | Three cards of the same suit | TestAIPStrategy7.java   * testTwo * testThree * testFour   TestAIP.java   * testAIPThreeCardsSameSuit |
| Strategy-8 | Three cards of the same rank | TestAIPStrategy8.java   * testThree   TestAIP   * testAIPThreeCardsSameRank |
| Strategy-9 | Three cards in sequence | TestAIPStrategy9.java   * testThree   TestAIP   * testAIPThreeCardsSequence |
| Strategy-10 | Two pairs | TestAIPStrategy10.java   * testTwoPairs   TestAIP   * testAIPTwoPair |
| Strategy-11 | One pair | TestAIPStrategy11.java   * testOnePair   TestAIP   * testAIPOnePair |
| Strategy-12 | Two high cards | TestAIPStrategy12.java   * testTwoHighCard   TestAIP.java   * testAIPTwoHighest |
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| Score-1 | (HighCard) Having a hand of cards in no order, of different ranks and suits | TestHighCard.java   * testHighCard * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-2 | (One Pair) Having a hand of cards with one pair, and nothing else | TestOnePair.java   * testOnePair * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-3 | (Two Pair) Having a hand of cards with two pairs, and nothing else | TestTwoPair.java   * testTwoPair * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-4 | (Three of a Kind) Having a hand of cards with three of a kind, and nothing else | TestThreeOfAKind.java   * testThreeOfAKind * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-5 | (Straight) Having a hand of cards all in order, but of different suits | TestStraight.java   * testStraight * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-6 | (Flush) Having a hand of cards of the same suit, but no order | TestFlush.java   * testFlush * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-7 | (Full House) Having a hand of cards with three of a kind, and a pair | TestFullHouse.java   * testFullHouse * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-8 | (Four of a Kind) Having a hand of cards with four cards of the same rank | TestFourOfAKind.java   * testFourOfAKind * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-9 | (Straight Flush) Having a hand of cards in order, of the same suit | TestStraightFlush.java   * testStraightFlush * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-10 | (Royal Flush) Having a hand of cards of A,K,Q,J,10 of the same suit | TestRoyalFlush.java   * testRoyalFlush * testLowest * testHighest   TestHands.java   * testHandsType |
| Score-11 | (High Card vs Everything Else) | TestHighCardScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair   TestHands.java   * testHandsType |
| Score-12 | (One Pair vs Everything Else) | TestOnePairScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsHighCard   TestHands.java   * testHandsType |
| Score-13 | (Two Pair vs Everything Else) | TestTwoPairScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-14 | (Three of a Kind vs Everything Else) | TestThreeOfAKindScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-15 | (Straight vs Everything Else) | TestStraightScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-16 | (Flush vs Everything Else) | TestFlushScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-17 | (Full house vs Everything Else) | TestFullHouseScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFourOfAKind * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-18 | (Four of a Kind vs Everything Else) | TestFourOfAKindScore.java   * testVsRoyalFlush * testVsStraightFlush * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-19 | (Straight Flush vs Everything Else) | TestStraightFlushScore.java   * testVsRoyalFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-20 | (Royal Flush vs Everything Else) | TestRoyalFlushScore.java   * testVsStraightFlush * testVsFourOfAKind * testVsFullHouse * testVsFlush * testVsStraight * testVsThreeOfAKind * testVsTwoPair * testVsOnePair * testVsHighCard   TestHands.java   * testHandsType |
| Score-21 | (HighCard Tie) | TestHighCardTie.java   * testTie   TestTie.java   * testTieSettleHighCard * testTieHighCard * testTieSuitScore |
| Score-22 | (One Pair Tie) | TestOnePairTie.java   * testDifferentPair * testSamePair   TestTie.java   * testTieSettlePair * testTieHighCard * testTieSuitScore |
| Score-23 | (Two Pair Tie) | TestTwoPairTie.java   * testDifferentPairs * testSamePairs   TestTie.java   * testTieSettleTwoPair * testTieHighCard * testTieSuitScore |
| Score-24 | (Three of a Kind Tie) | TestThreeOfAKindTie.java   * testTie   TestTie.java   * testTieSettleThreeOfAKind * testTieTriple |
| Score-25 | (Straight Tie) | TestStraightTie.java   * testDifferentHighCards * testSameHighCards   TestTie.java   * testTieSettleStraight * testTieHighCard * testTieSuitScore |
| Score-26 | (Flush Tie) | TestFlushTie.java   * testDifferentHighCards * testOneSameHighCard * testTwoSameHighCards * testThreeSameHighCards * testFourSameHighCards * testAllSameRanks   TestTie.java   * testTieSettleFlush * testTieHighCard * testTieSuitScore |
| Score-27 | (Full House Tie) | TestFullHouseTie.java   * testTie   TestTie.java   * testTieSettleFullHouse * testTieTriple |
| Score-28 | (Four of a Kind Tie) | TestFourOfAKindTie.java   * testTie   TestTie.java   * testTieSettleFourOfAKind * testTieHighCard |
| Score-29 | (Straight Flush Tie) | TestStraightFlushTie.java   * testDifferentHighCards * testSameHighCards   TestTie.java   * testTieSettleStraightflush * testTieHighCard * testTieSuitScore |
| Score-30 | (Royal Flush Tie) | TestRoyalFlushTie.java   * testTie   TestTie.java   * testTieSettleRoyalFlush * testTieSuitScore |