Your overall score for this assignment is 8.51 out of 10.00  
  
  
The code you submitted did not pass all of our tests: your submission achieved a score of  
6.51 out of 8.00 in our tests.  
  
In order to find bugs in your code, we advise to perform the following steps:  
 - Take a close look at the test output that you can find below: it should point you to  
 the part of your code that has bugs.  
 - Run the tests that we provide with the handout on your code.  
 - The tests we provide do not test your code in depth: they are very incomplete. In order  
 to test more aspects of your code, write your own unit tests.  
 - Take another very careful look at the assignment description. Try to find out if you  
 misunderstood parts of it. While reading through the assignment, write more tests.  
  
Below you can find a short feedback for every individual test that failed.  
  
Our automated style checker tool could not find any issues with your code. You obtained the maximal  
style score of 2.00.  
  
======== LOG OF FAILED TESTS ========  
Your solution achieved a testing score of 219 out of 269.  
  
Below you can see a short feedback for every test that failed,  
indicating the reason for the test failure and how many points  
you lost for each individual test.  
  
Tests that were aborted took too long too complete or crashed the  
JVM. Such crashes can arise due to infinite non-terminitaing  
loops or recursion (StackOverflowException) or excessive mamory  
consumption (OutOfMemoryException).  
  
[Test Description] quick encode gives the correct byte sequence  
[Observed Error] an implementation is missing  
[exception was thrown] detailed error message in debug output section below  
[Lost Points] 20  
  
[Test Description] convert: code table is created correctly  
[Observed Error] an implementation is missing  
[exception was thrown] detailed error message in debug output section below  
[Lost Points] 20  
  
[Test Description] decode and quick encode is identity  
[Observed Error] an implementation is missing  
[exception was thrown] detailed error message in debug output section below  
[Lost Points] 10  
  
======== TESTING ENVIRONMENT ========  
Limits: memory: 256m, total time: 850s, per test case time: 240s  
  
======== DEBUG OUTPUT OF TESTING TOOL ========  
[test failure log] test name: HuffmanSuite::convert: code table is created correctly::20  
scala.NotImplementedError: an implementation is missing  
scala.Predef$.$qmark$qmark$qmark(Predef.scala:225)  
patmat.Huffman$.convert(Huffman.scala:244)  
patmat.HuffmanSuite$$anonfun$24$$anon$11.<init>(HuffmanSuite.scala:204)  
patmat.HuffmanSuite$$anonfun$24.apply$mcV$sp(HuffmanSuite.scala:203)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply$mcV$sp(GradingSuite.scala:118)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
org.scalatest.Transformer$$anonfun$apply$1.apply$mcV$sp(Transformer.scala:22)  
org.scalatest.OutcomeOf$class.outcomeOf(OutcomeOf.scala:85)  
org.scalatest.OutcomeOf$.outcomeOf(OutcomeOf.scala:104)  
org.scalatest.Transformer.apply(Transformer.scala:22)  
org.scalatest.Transformer.apply(Transformer.scala:20)  
org.scalatest.FunSuiteLike$$anon$1.apply(FunSuiteLike.scala:166)  
org.scalatest.Suite$class.withFixture(Suite.scala:1122)  
org.scalatest.FunSuite.withFixture(FunSuite.scala:1555)  
org.scalatest.FunSuiteLike$class.invokeWithFixture$1(FunSuiteLike.scala:163)  
org.scalatest.FunSuiteLike$$anonfun$runTest$1.apply(FunSuiteLike.scala:175)  
org.scalatest.FunSuiteLike$$anonfun$runTest$1.apply(FunSuiteLike.scala:175)  
org.scalatest.SuperEngine.runTestImpl(Engine.scala:306)  
org.scalatest.FunSuiteLike$class.runTest(FunSuiteLike.scala:175)  
org.scalatest.FunSuite.runTest(FunSuite.scala:1555)  
org.scalatest.FunSuiteLike$$anonfun$runTests$1.apply(FunSuiteLike.scala:208)  
org.scalatest.FunSuiteLike$$anonfun$runTests$1.apply(FunSuiteLike.scala:208)  
org.scalatest.SuperEngine$$anonfun$traverseSubNodes$1$1.apply(Engine.scala:413)  
org.scalatest.SuperEngine$$anonfun$traverseSubNodes$1$1.apply(Engine.scala:401)  
  
  
[test failure log] test name: HuffmanSuite::quick encode gives the correct byte sequence::20  
scala.NotImplementedError: an implementation is missing  
scala.Predef$.$qmark$qmark$qmark(Predef.scala:225)  
patmat.Huffman$.quickEncode(Huffman.scala:261)  
patmat.HuffmanSuite$$anonfun$25$$anon$12.<init>(HuffmanSuite.scala:211)  
patmat.HuffmanSuite$$anonfun$25.apply$mcV$sp(HuffmanSuite.scala:210)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply$mcV$sp(GradingSuite.scala:118)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
org.scalatest.Transformer$$anonfun$apply$1.apply$mcV$sp(Transformer.scala:22)  
org.scalatest.OutcomeOf$class.outcomeOf(OutcomeOf.scala:85)  
org.scalatest.OutcomeOf$.outcomeOf(OutcomeOf.scala:104)  
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org.scalatest.FunSuiteLike$class.invokeWithFixture$1(FunSuiteLike.scala:163)  
org.scalatest.FunSuiteLike$$anonfun$runTest$1.apply(FunSuiteLike.scala:175)  
org.scalatest.FunSuiteLike$$anonfun$runTest$1.apply(FunSuiteLike.scala:175)  
org.scalatest.SuperEngine.runTestImpl(Engine.scala:306)  
org.scalatest.FunSuiteLike$class.runTest(FunSuiteLike.scala:175)  
org.scalatest.FunSuite.runTest(FunSuite.scala:1555)  
org.scalatest.FunSuiteLike$$anonfun$runTests$1.apply(FunSuiteLike.scala:208)  
org.scalatest.FunSuiteLike$$anonfun$runTests$1.apply(FunSuiteLike.scala:208)  
org.scalatest.SuperEngine$$anonfun$traverseSubNodes$1$1.apply(Engine.scala:413)  
org.scalatest.SuperEngine$$anonfun$traverseSubNodes$1$1.apply(Engine.scala:401)  
  
  
[test failure log] test name: HuffmanSuite::decode and quick encode is identity::10  
scala.NotImplementedError: an implementation is missing  
scala.Predef$.$qmark$qmark$qmark(Predef.scala:225)  
patmat.Huffman$.quickEncode(Huffman.scala:261)  
patmat.HuffmanSuite$$anonfun$26$$anon$13.<init>(HuffmanSuite.scala:217)  
patmat.HuffmanSuite$$anonfun$26.apply$mcV$sp(HuffmanSuite.scala:216)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply$mcV$sp(GradingSuite.scala:118)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
ch.epfl.lamp.grading.GradingSuite$$anonfun$test$1.apply(GradingSuite.scala:117)  
org.scalatest.Transformer$$anonfun$apply$1.apply$mcV$sp(Transformer.scala:22)  
org.scalatest.OutcomeOf$class.outcomeOf(OutcomeOf.scala:85)  
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org.scalatest.FunSuiteLike$$anonfun$runTest$1.apply(FunSuiteLike.scala:175)  
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org.scalatest.SuperEngine.runTestImpl(Engine.scala:306)  
org.scalatest.FunSuiteLike$class.runTest(FunSuiteLike.scala:175)  
org.scalatest.FunSuite.runTest(FunSuite.scala:1555)  
org.scalatest.FunSuiteLike$$anonfun$runTests$1.apply(FunSuiteLike.scala:208)  
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