.data

\_bad\_a0: .word 0x43434143 0x41414143 0x41434343 0x41434141 0x41434143

\_bad\_v0: .word 0 0 1 1 2

\_face\_m1: .word 0x32433943 0x39434A43 0x4A434143

\_face\_eq: .word 0x35433543 0x4A434A43 0x41434143

\_face\_p1: .word 0x39433243 0x4A433943 0x41434A43

\_suit\_m1: .word 0x32433244 0x4A434A44 0x41434144

\_suit\_eq: .word 0x32433243 0x4A434A43 0x41434143

\_suit\_p1: .word 0x32443243 0x4A444A43 0x41444143

.text

main:

addi $sp, $sp, -8

sw $ra, 0($sp)

sw $s0, 4($sp)

li $s0, 1

la $a0, \_bad\_a0

lw $a0, 0($a0)

li $a1, 0

jal student\_code

beq $v0, 0, \_test2

jal \_error

\_test2:

li $s0, 2

la $a0, \_bad\_a0

lw $a0, 4($a0)

li $a1, 0

jal student\_code

beq $v0, 0, \_test3

jal \_error

\_test3:

li $s0, 3

la $a0, \_bad\_a0

lw $a0, 8($a0)

li $a1, 0

jal student\_code

beq $v0, 1, \_test4

jal \_error

\_test4:

li $s0, 4

la $a0, \_bad\_a0

lw $a0, 12($a0)

li $a1, 0

jal student\_code

beq $v0, 1, \_test5

jal \_error

\_test5:

li $s0, 5

la $a0, \_bad\_a0

lw $a0, 16($a0)

li $a1, 0

jal student\_code

beq $v0, 2, \_test6

jal \_error

\_test6:

li $s0, 6

la $a0, \_face\_m1

lw $a0, 0($a0)

li $a1, 1

jal student\_code

beq $v0, -1, \_test7

jal \_error

\_test7:

li $s0, 7

la $a0, \_face\_m1

lw $a0, 4($a0)

li $a1, 1

jal student\_code

beq $v0, -1, \_test8

jal \_error

\_test8:

li $s0, 8

la $a0, \_face\_m1

lw $a0, 8($a0)

li $a1, 1

jal student\_code

beq $v0, -1, \_test9

jal \_error

\_test9:

li $s0, 9

la $a0, \_face\_eq

lw $a0, 0($a0)

li $a1, 1

jal student\_code

beq $v0, 0, \_test10

jal \_error

\_test10:

li $s0, 10

la $a0, \_face\_eq

lw $a0, 4($a0)

li $a1, 1

jal student\_code

beq $v0, 0, \_test11

jal \_error

\_test11:

li $s0, 11

la $a0, \_face\_eq

lw $a0, 8($a0)

li $a1, 1

jal student\_code

beq $v0, 0, \_test12

jal \_error

\_test12:

li $s0, 12

la $a0, \_face\_p1

lw $a0, 0($a0)

li $a1, 1

jal student\_code

beq $v0, 1, \_test13

jal \_error

\_test13:

li $s0, 13

la $a0, \_face\_p1

lw $a0, 4($a0)

li $a1, 1

jal student\_code

beq $v0, 1, \_test14

jal \_error

\_test14:

li $s0, 14

la $a0, \_face\_p1

lw $a0, 8($a0)

li $a1, 1

jal student\_code

beq $v0, 1, \_test15

jal \_error

\_test15:

li $s0, 15

la $a0, \_suit\_m1

lw $a0, 0($a0)

li $a1, 2

jal student\_code

beq $v0, -1, \_test16

jal \_error

\_test16:

li $s0, 16

la $a0, \_suit\_m1

lw $a0, 4($a0)

li $a1, 2

jal student\_code

beq $v0, -1, \_test17

jal \_error

\_test17:

li $s0, 17

la $a0, \_suit\_m1

lw $a0, 8($a0)

li $a1, 2

jal student\_code

beq $v0, -1, \_test18

jal \_error

\_test18:

li $s0, 18

la $a0, \_suit\_eq

lw $a0, 0($a0)

li $a1, 2

jal student\_code

beq $v0, 0, \_test19

jal \_error

\_test19:

li $s0, 19

la $a0, \_suit\_eq

lw $a0, 4($a0)

li $a1, 2

jal student\_code

beq $v0, 0, \_test20

jal \_error

\_test20:

li $s0, 20

la $a0, \_suit\_eq

lw $a0, 8($a0)

li $a1, 2

jal student\_code

beq $v0, 0, \_test21

jal \_error

\_test21:

li $s0, 21

la $a0, \_suit\_p1

lw $a0, 0($a0)

li $a1, 2

jal student\_code

beq $v0, 1, \_test22

jal \_error

\_test22:

li $s0, 22

la $a0, \_suit\_p1

lw $a0, 4($a0)

li $a1, 2

jal student\_code

beq $v0, 1, \_test23

jal \_error

\_test23:

li $s0, 23

la $a0, \_suit\_p1

lw $a0, 8($a0)

li $a1, 2

jal student\_code

beq $v0, 1, \_all\_done

jal \_error

\_all\_done:

lw $ra, 0($sp)

lw $s0, 4($sp)

addi $sp, $sp, 8

jr $ra

\_error:

move $a0, $s0

li $v0, 1

syscall

li $a0, 10

li $v0, 11

syscall

jr $ra

student\_code: