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# Lucas Hasting
#$t4 is the bulk price
#$t3 is shipping cost
begginning:
#initilize memory values
addi $t0, $zero, 8196
addi $t1, $zero, 8192
#check/load input
lw $t1, 0($t1)
beq $t1, $zero, end
lw $t0, 0($t0)
#run sub-routines
jal bulk_price
jal shipping_cost
#add bulk price and shipping cost
add $t5, $t3, $t4
addi $t2, $zero, 8200
#load vlaue to output
sw $t5, 0($t2)
#loop if there is input
bne $t1, $zero, begginning
```

#bulk_price sub-routine

```
bulk_price:
#$t0 = input
#check if statements
addi $t1, $zero, 6
slt $t2, $t0, $t1
addi $t3, $zero, 8
beq $t2, $zero, conditionBP2
#if ($t0 < $t1)
#$t0 * 8
mul $t4, $t0, $t3
j end_BP
#if !($t0 < $t1)
conditionBP2:
#((($t0-5) * 5) + (5*8))
add $t5, $zero, $t0
addi $t5, $t0, -5
addi $t4, $zero, 5
mul $t5, $t5, $t4
mul $t4, $t4, $t3
add $t4, $t4, $t5
end_BP:
jr $ra
shipping_cost:
```

#\$t0 = input

```
#itilize $t1 with 10
addi $t1, $zero, 10
#check if statements
slt $t2, $t1, $t0
bne $t2, $zero, conditionSC2
#if (10 < $t0)
\#shipping\_cost = $t0 + 5
addi $t3, $t0, 5
j end_SC
#if !(10 < $t0)
conditionSC2:
#shipping_cost = 15
addi $t3, $zero, 15
end_SC:
jr $ra
end:
```



