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. In find the disposite as depth of open channel
 Que final (liquid: Trites the value of illintowge t & 1)
 be not impact; between the extension of the months 2 31
 getharfungat finter the major of murieration for the travity 0.817)
 pl - final property ofter the sales of restream about 1 of 11
 Ze timatifupett leter the value of free # 1 "))
 · Darfeneger per meter meatte.
 4-0/1
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 . Was Calculation
A1- 1".1
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· Calculation of freedy harbe-
Fet - (Q*Q*1) (E*A)* A) *A); * H.S
pearly the value of fronds suries in ... (e1)
 4 * 1 - 1 - 1
      part . Septim with Artical side
      prints the title in Super critical time b
      prints the time to you getter at time t
Alpstroat foorgy
#1 + 62 + 10*0)/12 *c*41 *A*)
point of the value of freezy at frontal faction to ", (1)
· General room foregy.
17 - 12 -7
point of the value of domittees torrey to prett, (2)
* trifical Depth
a You need to detine the values for 'a aid of based on your problem.
e for example
a . 1.0 . Replace with the actual value of 'a"
e + 1.0 & Replace with the actual value of "e"
yr . (4.9/6)... 3311
                                                                                                                     Probable of the state of the st
print ("The value of critical depth (s.") ac)
a thore. In Bython, a tople to detined using parenthesis, throat a jugan creates a tuple.
* To perfore multiplication, use the '*' operator
te + 1.5 ye
print ("The value of critical freegy is", (c)
if fratz
      print ("Charling Condition")
wine:
      metot ("SAFE")
* Calculation of Zeas
. You reed to define the value for '() based on your problem
* for example
£1 - 1.8 % Replace with the actual value of 'fl'
Zman -11- 11
print ("The value of maximum force is ". Zear).
 -- fater the value of firstbarge 4.84.8
         feter the value of top width 22
        fater the value of minderation due to bravity 7 819.81
         enter the value of unitries depth:1 61.6:
         Enter the Value of Supplied 1
         the value of discharge per water witth Is 2.4.
         the value of opstroom area is: 1.2
         for value of fronde mention is 0.07167411192668548
         De Clow is but Critical Flow
         Per value of freezy at initial Section is: 1.714678899082569.
         the value of downstream (energy $2 to: 1,6146768-0082569)
         The Value of critical depth is: 1 1386268295597898
         De value of critical frency is 2 nex2402443396847
         thocking tombition.
         Per value of maximum hump is: <0.2082/0244)396847
# To find the downstream digits of open channel
# Given Statio
Q+ fleat(fepat("inter the value of bischarge:(5"))
Bi + Clear (input) leter the value of midth at spatress 1.5 "))
82 - Floatflogoff feter the value of width at immistrese(2.5 1))
ge float(isput) Later the value of acceleration due to Gravity 9.84"})
yl- float(input) enter the value of upstream depth 2")).
# Michaege per setter width
41-0/03
47-4702
peret filte value of discharge per enter width is fig. (1) * thanged quite 41
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    · west also lation
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   print ; the sales of quitiess are in . All
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