```
# Total Depth Calculation
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total_depth = 0
depth = 0
pop_list = [this]
push_list = []
setmark(true)
while len(pop list):
     curs = pop list.pop()
     total_depth = total_depth + depth
     for i in curs.connections():
         if i.mark() is none:
             i.setmark(true)
             push_list.append(i)
     if len(pop_list) == 0:
         depth = depth + 1
         pop_list = push_list
         push_list = []
 return total_depth
```