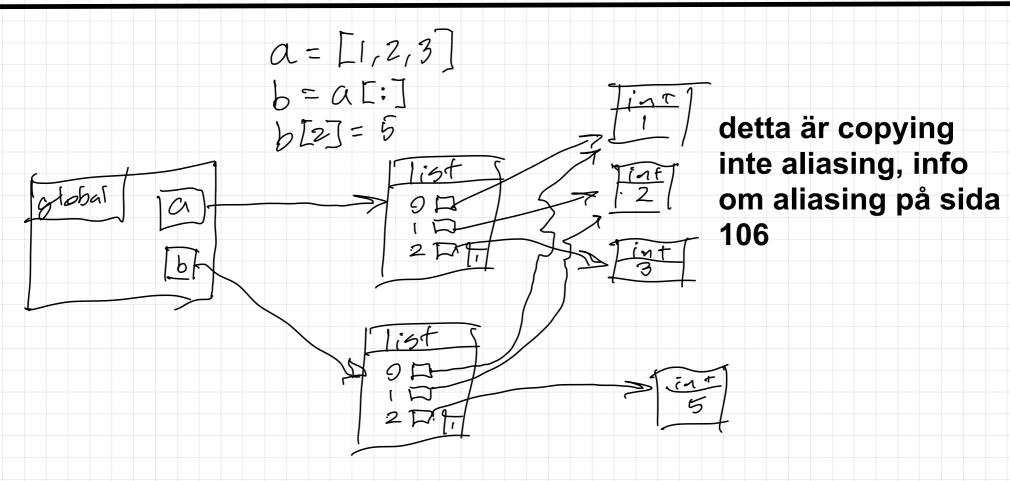
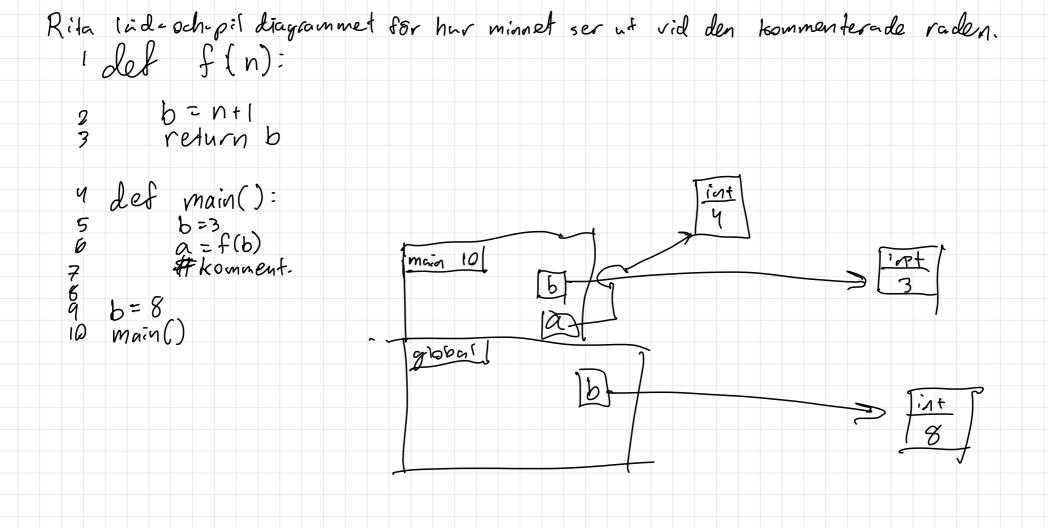
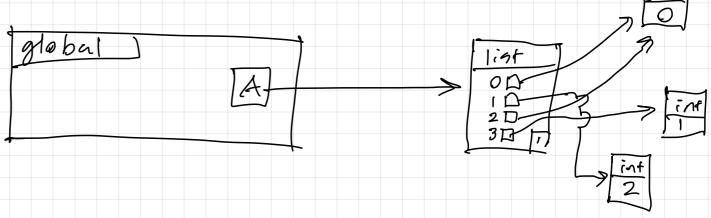
Aliasing: Nartvå eller fler variabelnamn pekar på gamme Skjekt.





1 des main (): 2 b= A 3 b[i]=2 4 5 A=[0,0,0,1] 6 Main() 7 # Komment



$$\alpha = [0,0]$$
 $b = \alpha$
 $b[0] = [$
 $print(a) \longrightarrow [1,0]$

index: Behovs for objekt som inte ALLTID finns imment Vad finns alltid i minuet? Objekt | Värden int [5,255] Booken True, Falge NoneType None Boolean False Nonetype tuple string 90

```
(16) Byt ut kommentaren i koden nedan mot ett svarsalternativ i taget. Vilket/vilka alternativ får detta Python3-
program att exekvera raden med print?

def main():
    # Här ska svaret stoppas in i koden.
    if ( not a or b) and (not b or c):
        print(a,b,c)

main()

(A) a, b, c = True, True, True
```

(B) a, b, c = True, True, False
(C) a, b, c = True, False, True
(D) a, b, c = True, False, False
(E) a, b, c = False, True, True
(F) a, b, c = False, True, False
(G) a, b, c = False, False, True
(H) a, b, c = False, False, False
(I) Inget av ovanstående alternativ.

```
not a orb: [] Antiquen a: False ger True

(not a) or b: [Antiquen b: False c-True]

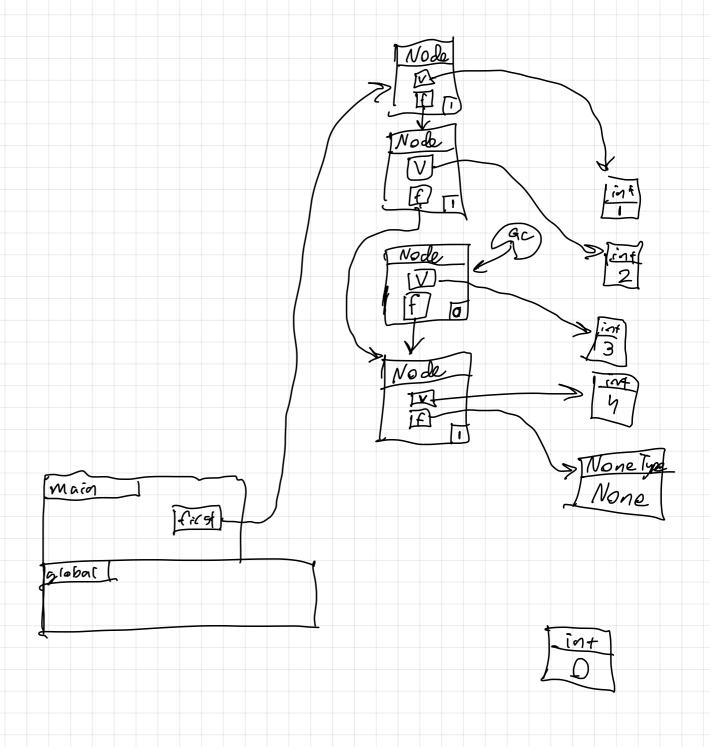
(A) True (B) False (C) False (D) Falge

(E) True (F) False (G) True (H) True

Svar: A, E, G, H
```

```
...i programmet nedan:
 class Node:
     def __init__(self, value, following):
         self.value = value
         self.following = following
 def print_values(first):
     temp = first
     while temp:
         print(temp.value)
         temp = temp.following
 def create_list(size):
      first = Node(size, None)
      for i in range(size-1, 0, -1):
         first = Node(i, first)
     return first
 def destroy_element(first, index):
     """returns the first element where index has been destroyed"""
     if index == 0:
         return first.following
     answer = first #we will change this variable
     for i in range(index-1):
         first = first.following
     following_following = first.following.following
     first.following = following_following
     return answer
 def main():
     first = create_list(4)
     first = destroy_element(first, 2) efter denna funktion
print value(first)
     print_values(first)
                                          ar Klar
 if __name__ == '__main__':
     main()
```

first = destroy_element(first, 2)



(33) Vad skriver följande program ut?

```
def mystery(n):
    if n <= 0:
        return 1
    return mystery(n-1)+mystery(n-2)

print(mystery(3))</pre>
```

```
    1. 1
    2. 2
    3. 3
    4. 4
    5. 5
    6. 6
    7. 7
    8. 8
    9. 9
    10. Inget av ovanstående alternativ
```

$$m(3) = m(2) + m(1) - 5$$

 $m(2) = m(1) + m(0) = 3$
 $m(1) = m(0) + m(-1) = 2$
 $m(0) = 7$
 $m(-1) = 7$