- QI The auto key wood can be used in place of "int",

 "double" our other data types to automatically

 determine the data type of the warrable.

 [Automatic type deduction].
- are a = *y and oute &b = *y

 will oute a = *y and oute &b = *y

 uite ordinare. Since y is of type int, and

 * is used to ordinary walve of an address. I is not

 On address & Eroses.

 Oute b = &y. Here b & tras type & int*.

 Since y is a pointer to an integer.
- OB Size of stouct is sum of vijes of the mombrese, Int.
 - (a) double 8 lytes

 with 0.4 With foodding, ist would

 chan 1 be greater than this,

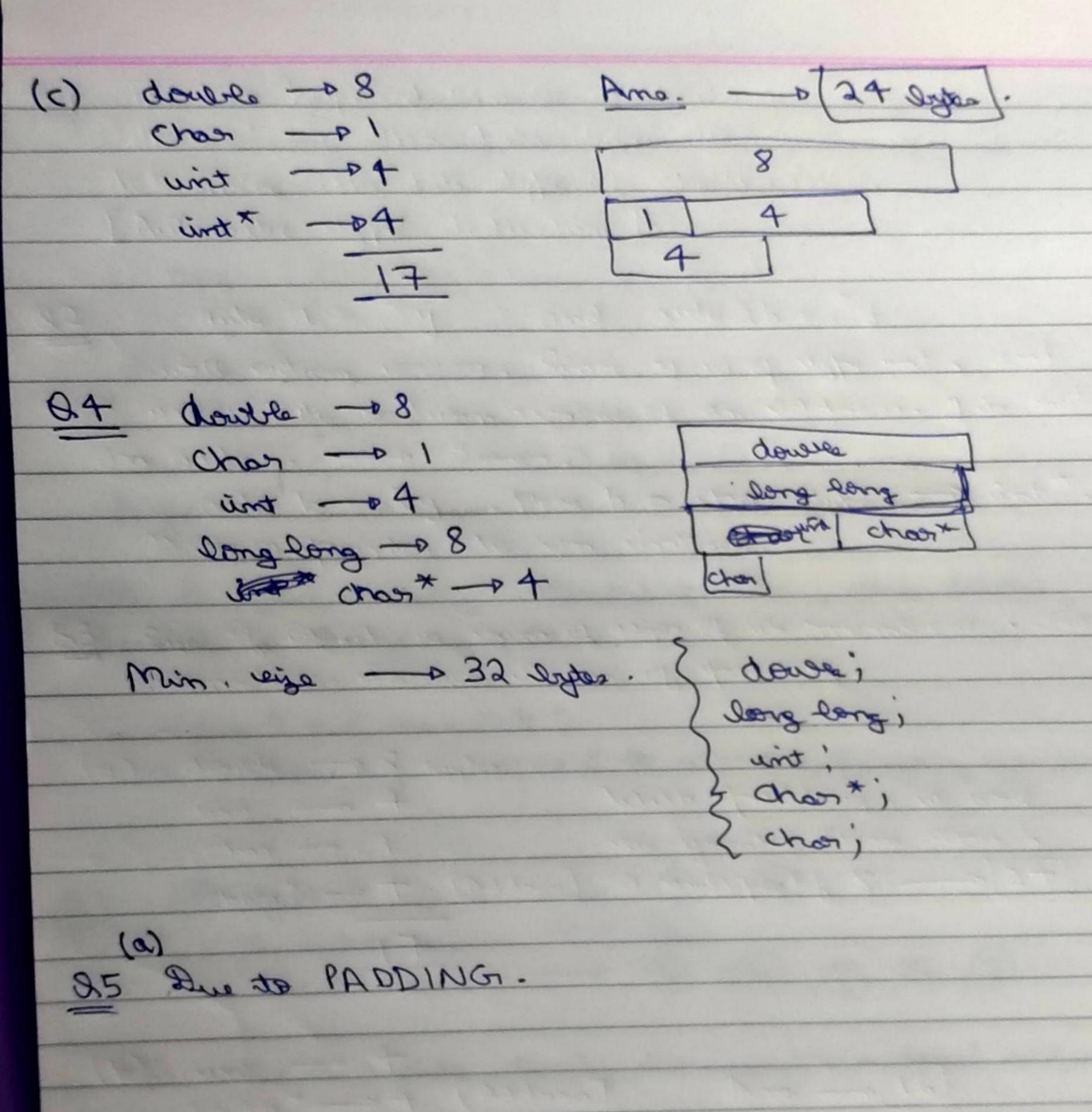
 chan * 0.4. [Address] a multiple of 8. 0.24
 - (b) int 4

 double* 4 (Address) Am 6(16)

 choon* 4

 choon 1 [Mustipe of trighted

 13



Q6.	(a) unt *p = now int;
	Mamory is dynamically allocated for countre
-	P What nower doleten. Estates affect francom
-	so after the scope of p and, the moment address
-	ia sext. This is a money look.

(C) (E) vint * p = mulliples;

This points was address O.

Cout < p; — o Outfule O.

A pointer at address O is a rule pointer.

(b) (a) A dyamamically allecated provider, once deleted, checomes a dangling pointer.

unt * p = row int;
delate p; - p // At is now dangling pointer.

the state of the s

All une desco maide curly brance have decal scepe.

" canat". Non-changing walves and best dofined Muttiple walnes can be retromed in a to tuple. () smy Editor took this func () 3 septem make tupes (1, 2.3, " Sangthy taper"); esserver o englet et been sel nas a- raitorilaitint . feter one will suite in one step. Assignment - Arrigine urbluse to a workelle . horiget more yboards and torth We can writialies a particular variable only ona, - com essign it walles montyse times. int = = 5; 11 trie. x = 109; 11 Ass. int ason [3] = {4,2,0}; Il Ini

oon [0] = 92; 11 Assign.

QII wint main () $\begin{cases} 2 \\ \text{wint } x = 3 \end{cases}$ $\begin{cases} \text{wint } x = 5; \\ \text{cout } << x; \end{cases}$ $\begin{cases} \text{cout } << x; \end{cases}$

Outsput - 5 5 3

The outer or wood hidden on when another or wow or word defined.

applied warried for an are accessed to outside the expert of the areal warried that coursed triding.

The accompse by veing a function extends wheal acets.

Q12 (a) and (b) should give atack overflow or momeous is readed thron is available.

(c) will not give stack overflow. The NEW yearness of let we dynamically allocate removed yearness other water the stack.

Q13 delate in wood to vamore a dynamically allocated to delate.

delate [] is week de delate the ortion as [] stelet

lowing delete on an across can cause membery look as it will only delete the prointer to the first wall in the consey and have the root.

Alb Alefandt oorgumente can de proced in function de classifica trior maitare de classifica vieta de parle de called.

This default walne is allow in a called sint.

Juntan function is called.

Rule — o Refault of Degumento com les set orly one, aither auring declaration or definition.

alt Many standard somersta of code vouch as Cost, cim, vector, make - type become social to wronte up we anton the valing married of line.

In a sint besilvation to si or and · wire besilestioni as OD air or estomorcof ett eborn eres saiges reptinis t a 18 19 Output - P 30 Q20 to transles out to the celement of . I saebine Bigladance of 2/000 is overt 1. i.é. -6 (2005) + 1 (Dec spoints to (It cook) + 1 points to the and of the assay. tromale took at tried point (1-re 19) *

all Output -0 6 10T a goodsoge uselve.
Description, a copy of the array is passed. The function, a copy of the array is possed. They points two I window [1]. Decrease, outside the function, are still points to window O.
Q22 = [5] dolote[] 4 \$(5) dolote 4
[53] dolloto 4
and The code decreases the walk of n by a contain amont each stap. Conser Sale way n, in driving, is 10111000.
After yearst loop, on secomes 10110000 vaccond - 10100000 Whind - 10000000 younds - 00000000 Honce, wash drive it owners the start soit.
Honce, wach drove at armost

A Mox positive usour for court is: -Since mox utalue of unrigand unt is $2^{32}-1$, which is $1111 \cdot - - (32 times)$. Court con le 32. Exemple a dine of collect of dimes. sind delta (chan * c, virt size) } Ditset < 267 6; { (++ i > opia > i; 0 = i triu lreaf b. aut (*(c+i)-'a'); 3 Row Sos France at elien el . contatracapac supiene sont d'avall Dringey to decimal convenien. int ans = 0; int me = 1; for 1 int i=0; i <26; i++) { ig (b[i] = =1) ans += m; m= m+ 2;

; ans menters