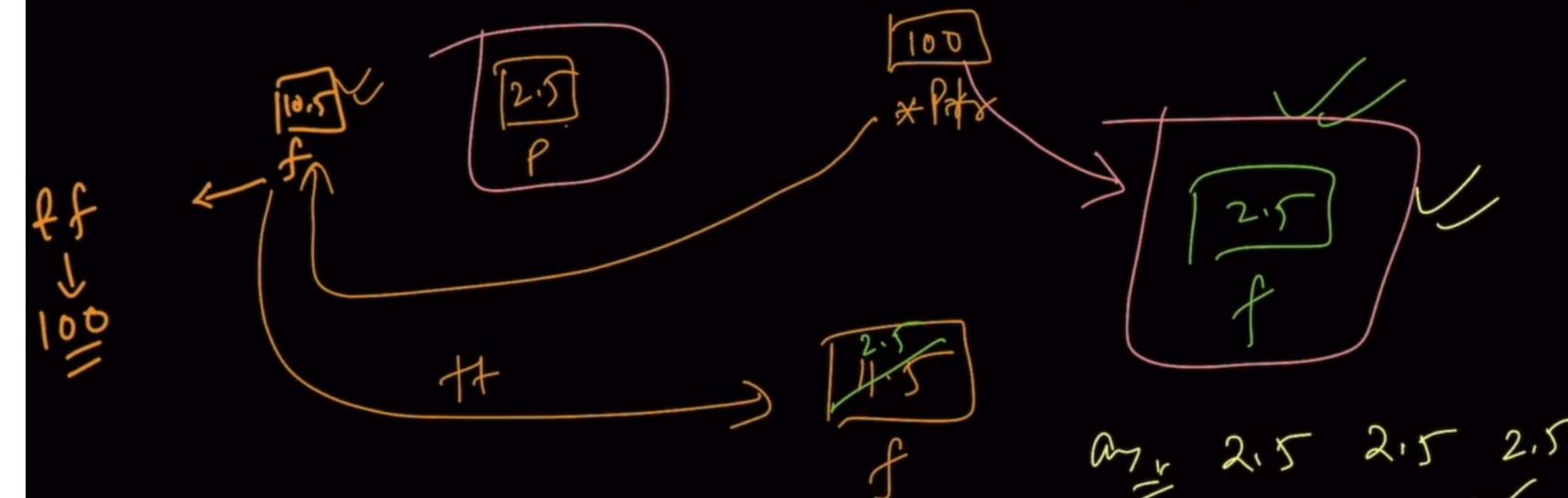
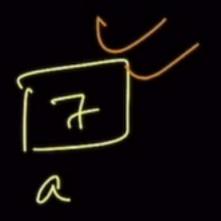
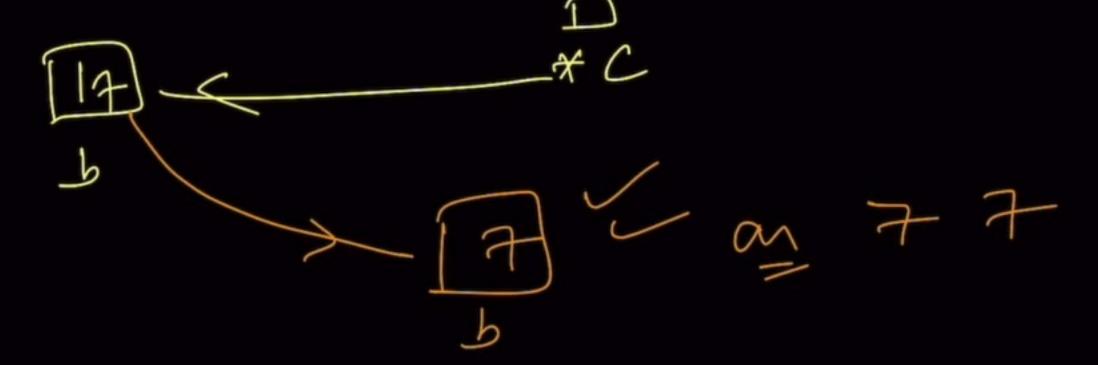
What will be the output ? float f = 10.5; float p = 2.5; float* ptr = &f; (*ptr)++; *ptr = p; cout << *ptr +98892823894 << f << " " << p;</pre>





```
int a = 7;
int b = 17;
int *c = &b;
*c = 7;
cout << a << " " << b << endl;</pre>
```







int *ptr = 0;
int a = 10;
*ptr = a;
cout << *ptr << endl;</pre>

[Mu] > Null Ptr 10 a

*Ptv -> Null pointer * (0x0000)

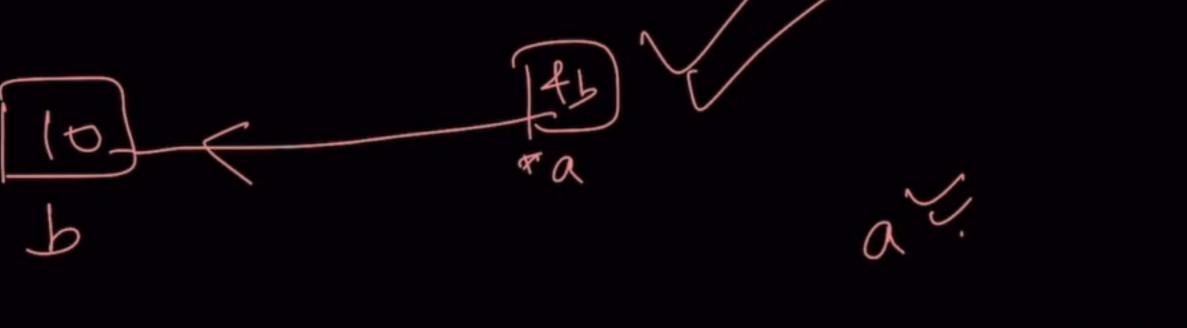
Srron)

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Which of the following gives the memory address of variable 'b' pointed by pointer 'a' i.e.

```
int b = 10;
int *a = &b;
```

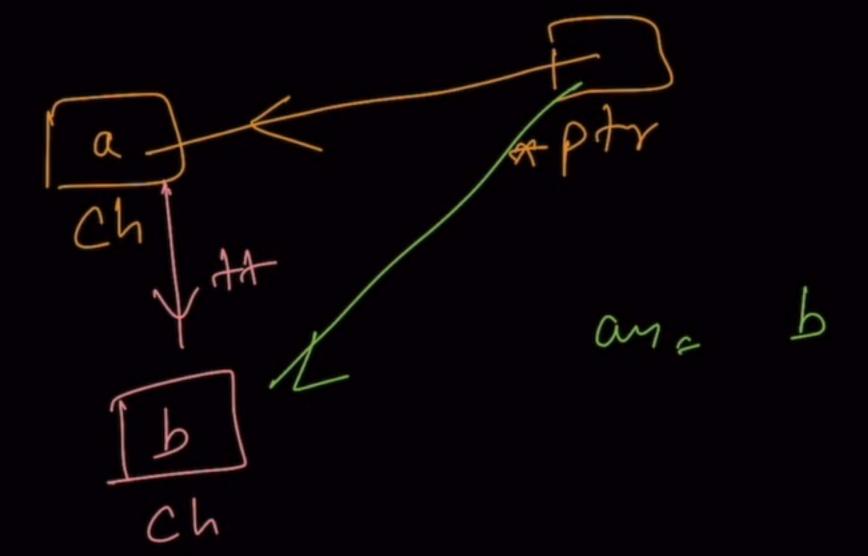


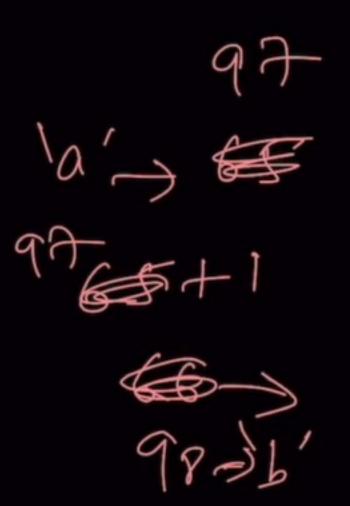
cont 22 a send! address of b

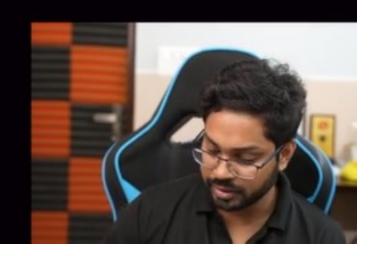


What will be the output?

```
char ch = 'a';
char* ptr = &ch;
ch++;
cout << *ptr << endl;</pre>
```







```
int a = 7;
int *c = &a;
c = c + 1;
cout << a << " " << *c << endl;</pre>
```

```
&C
300
                             Car bage
```

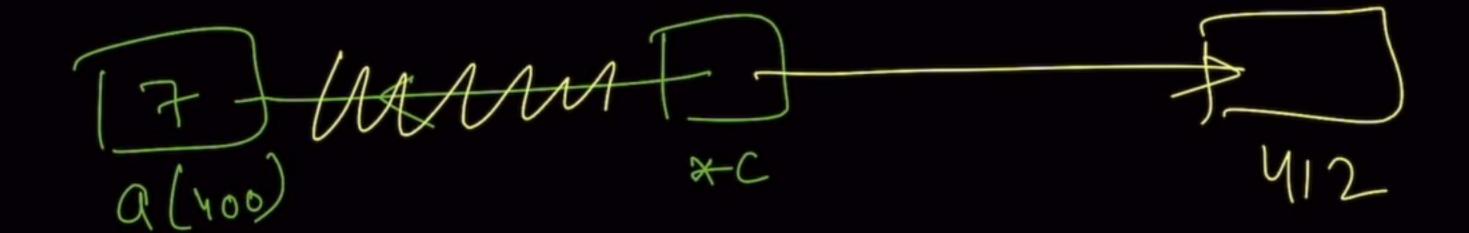
Assume the memory address of variable 'a' is 400 (and an integer takes 4 bytes), what will be the output -

int a = 7;

int *c = &a;

c = c + 3;

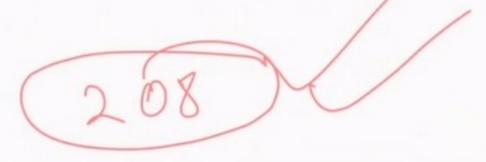
cout<< c << endl;

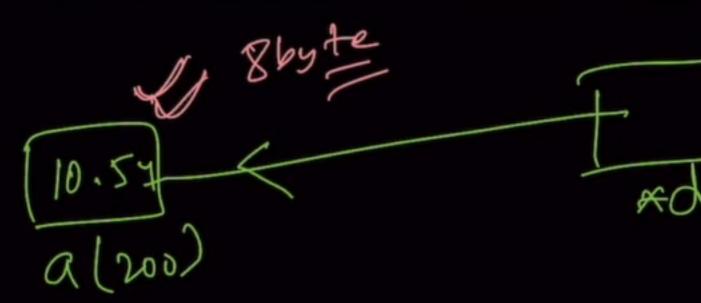


Output (1/2)

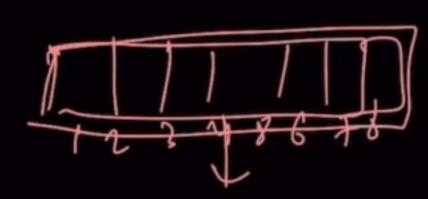
Assume memory address of variable 'a' is : 200 and a double variable is of size 8 bytes, what will be the output -

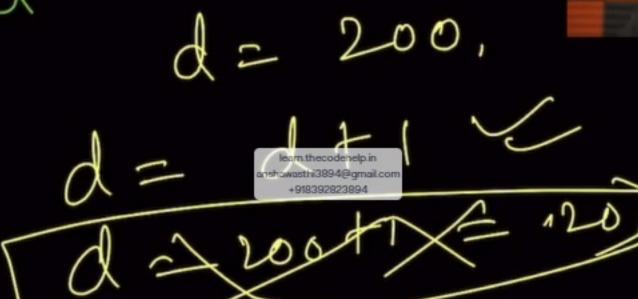
```
double a = 10.54;
double *d = &a;
d = d + 1;
cout << d << endl;</pre>
```







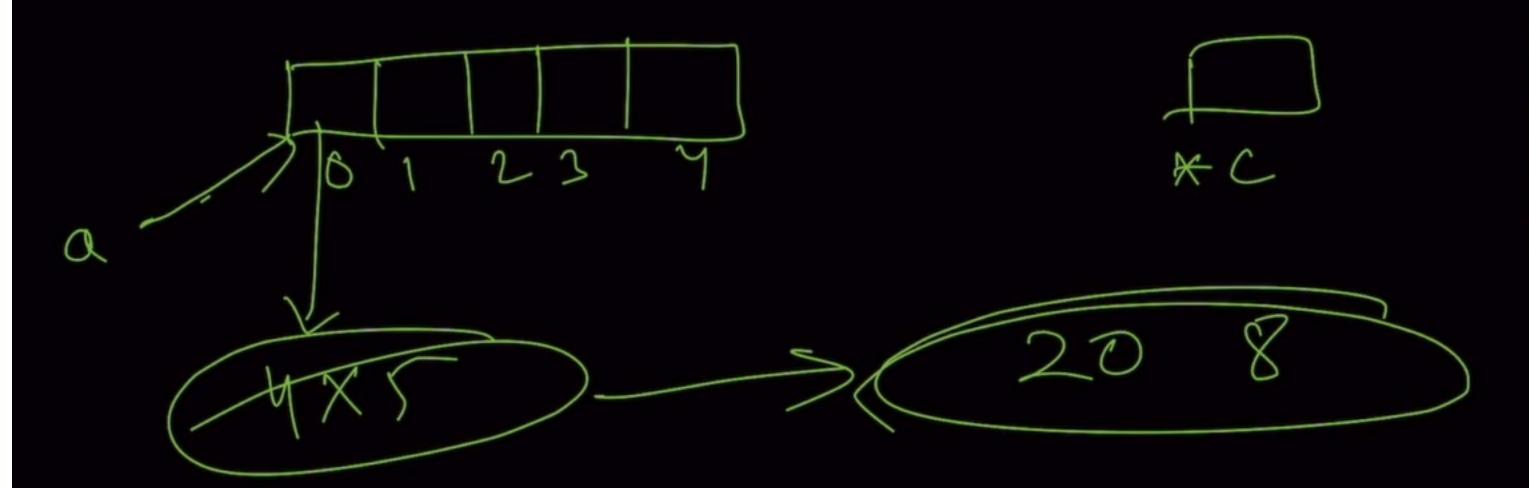




d= 200 H(X8) = 208,

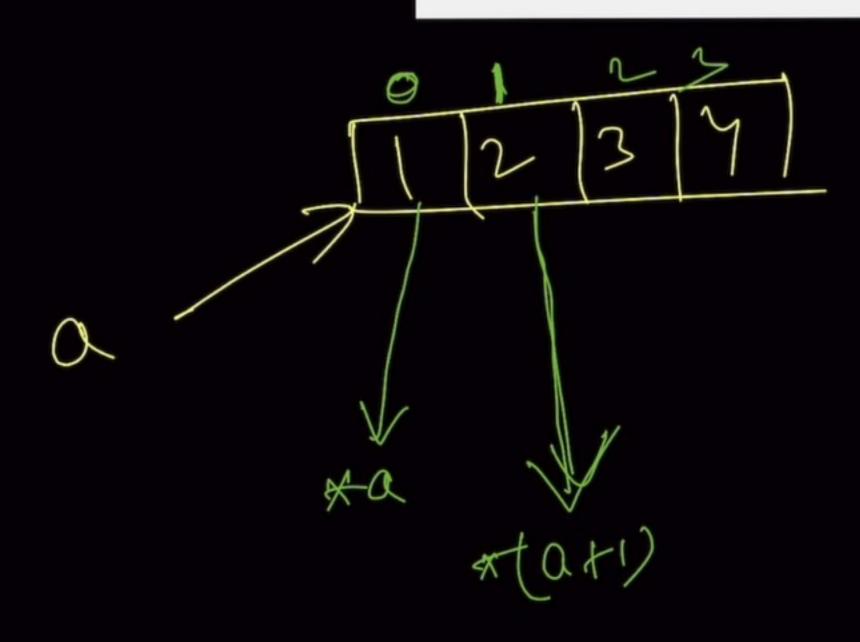
Assume integer takes 4 bytes and integer pointer 8 bytes.

```
int a[5];
int *c;
cout << sizeof(a) << " " << sizeof(c);</pre>
```





```
int a[] = {1, 2, 3, 4};
cout << *(a) << " " << *(a+1);
```



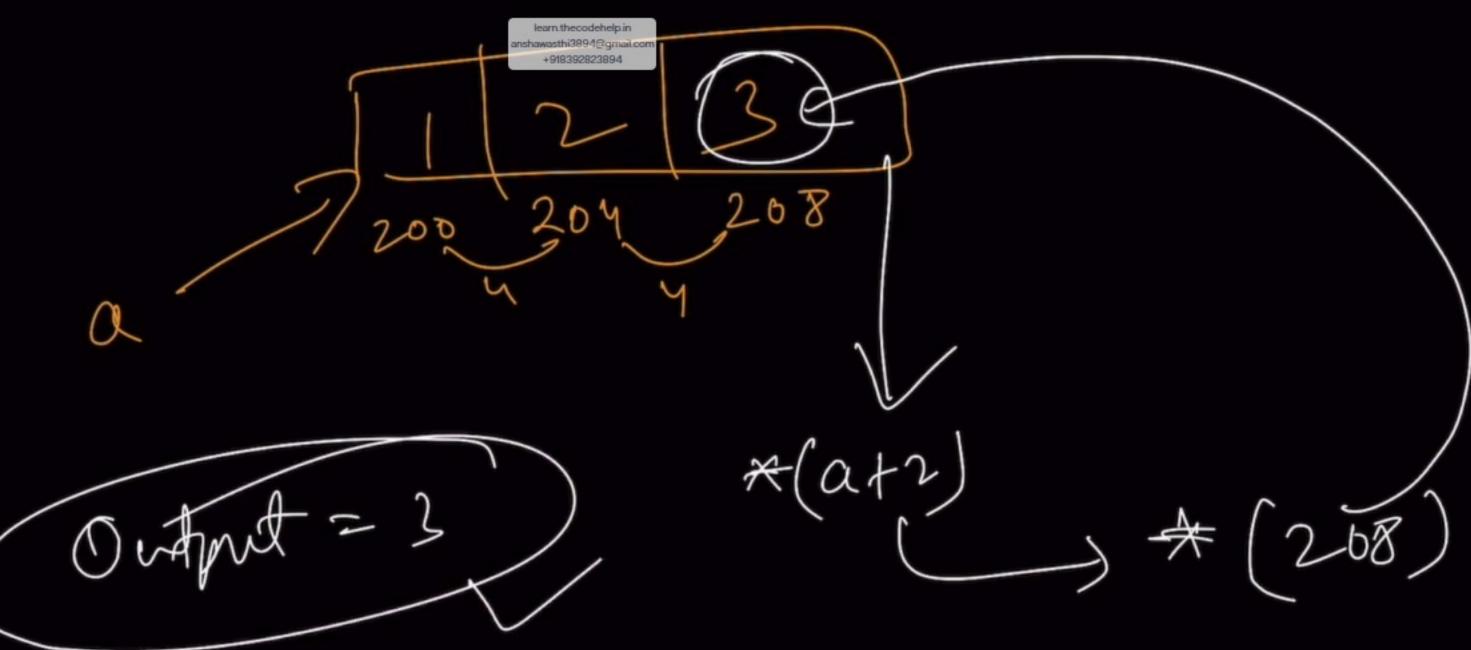
3utput,



Assume that address of 0th index of array 'a' is: 200. What is the output -

int
$$a[3] = \{1, 2, 3\};$$

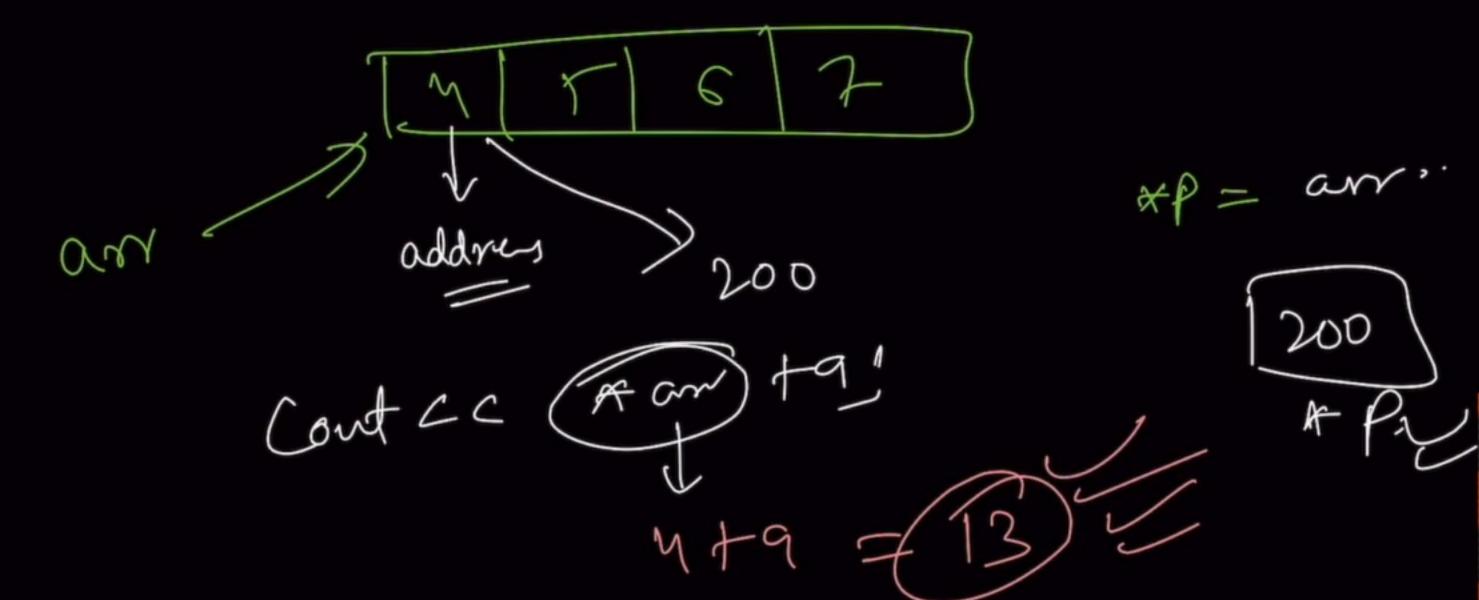
cout $<< *(a + 2);$





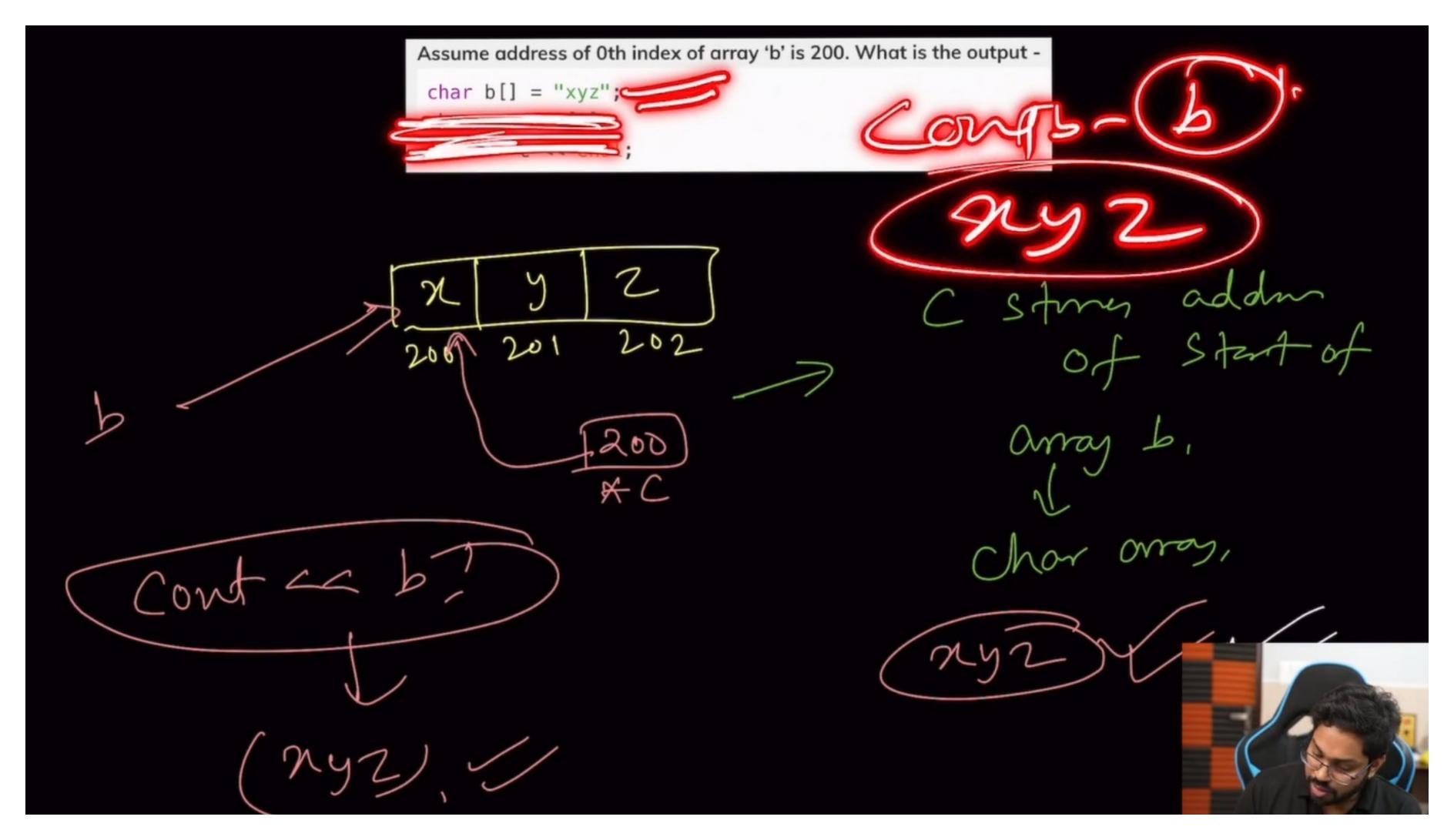
int a[] = $\{1, 2, 3, 4\};$ int *p = a++;cout << *p << endl;

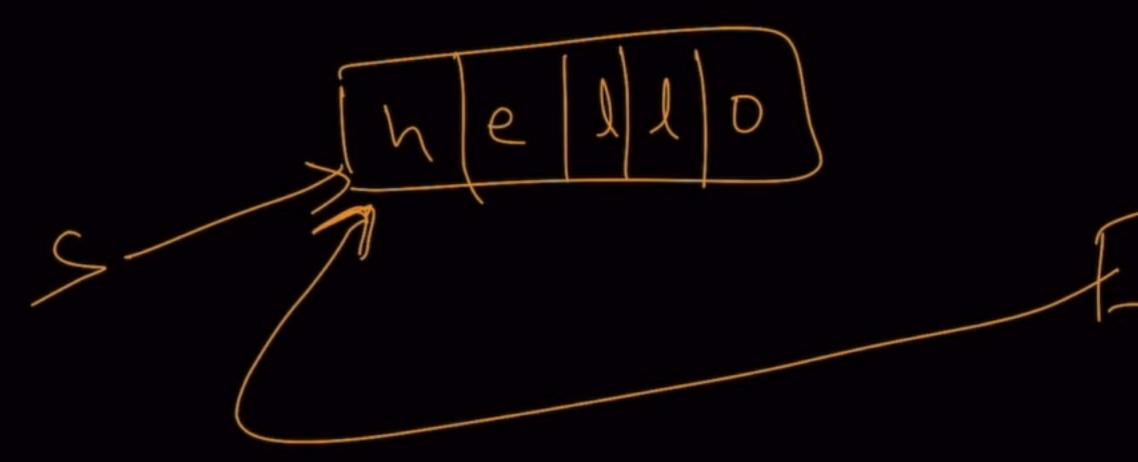
```
#include <iostream>
using namespace std;
int main()
{
  int arr[] = {4, 5, 6, 7};
  int *p = (arr + 1);
  cout << *arr + 9;
  return 0;
}</pre>
```

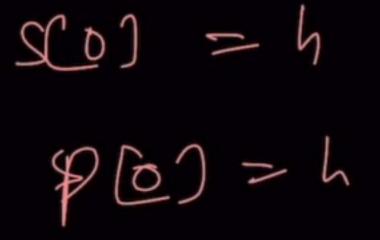


```
Assume address of 0th index of array 'b' is 200. What is the output - char b[] = "xyz"; char *c = \&b[0]; cout << c << endl;
```

```
200 201
      202
```

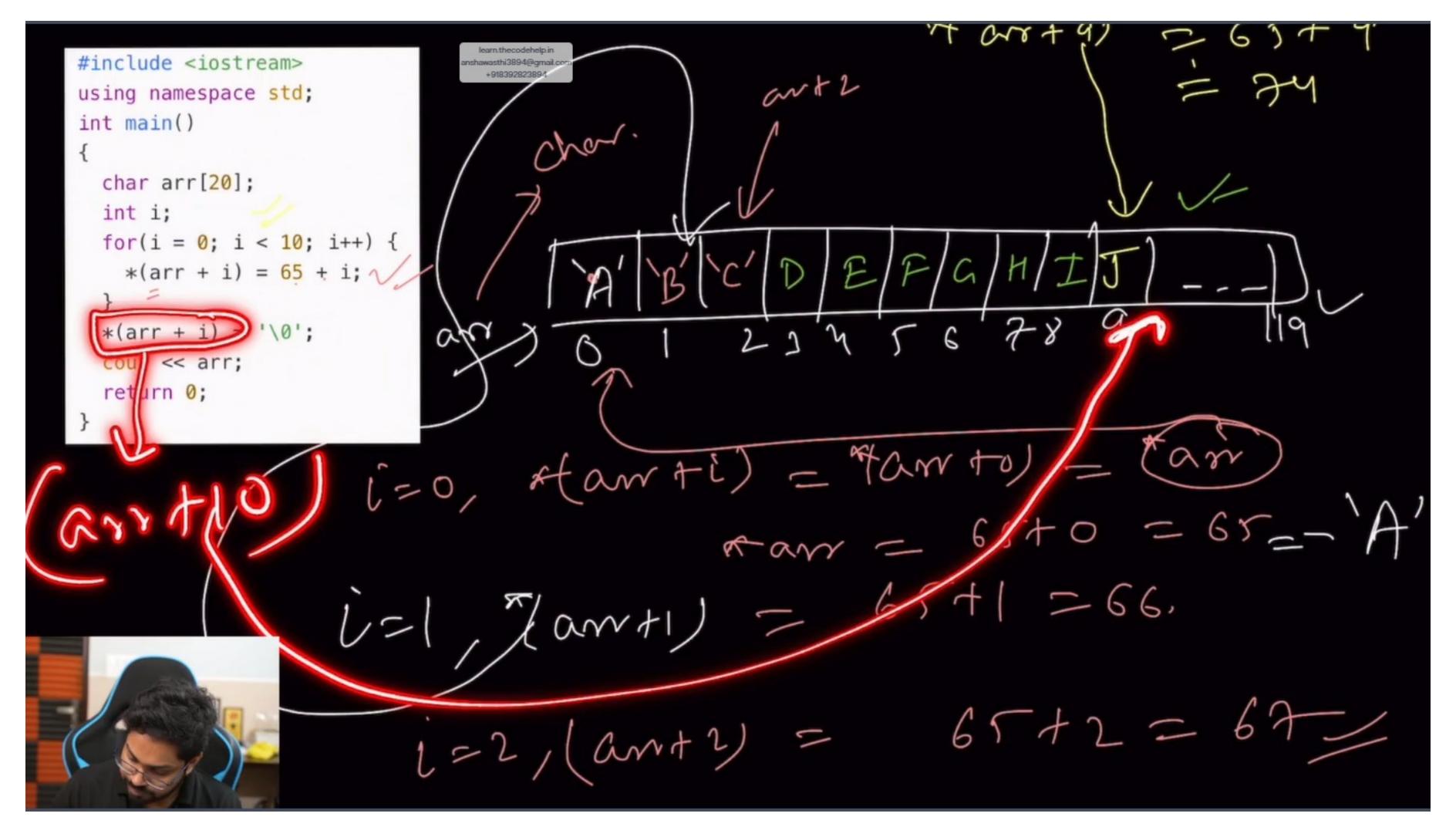


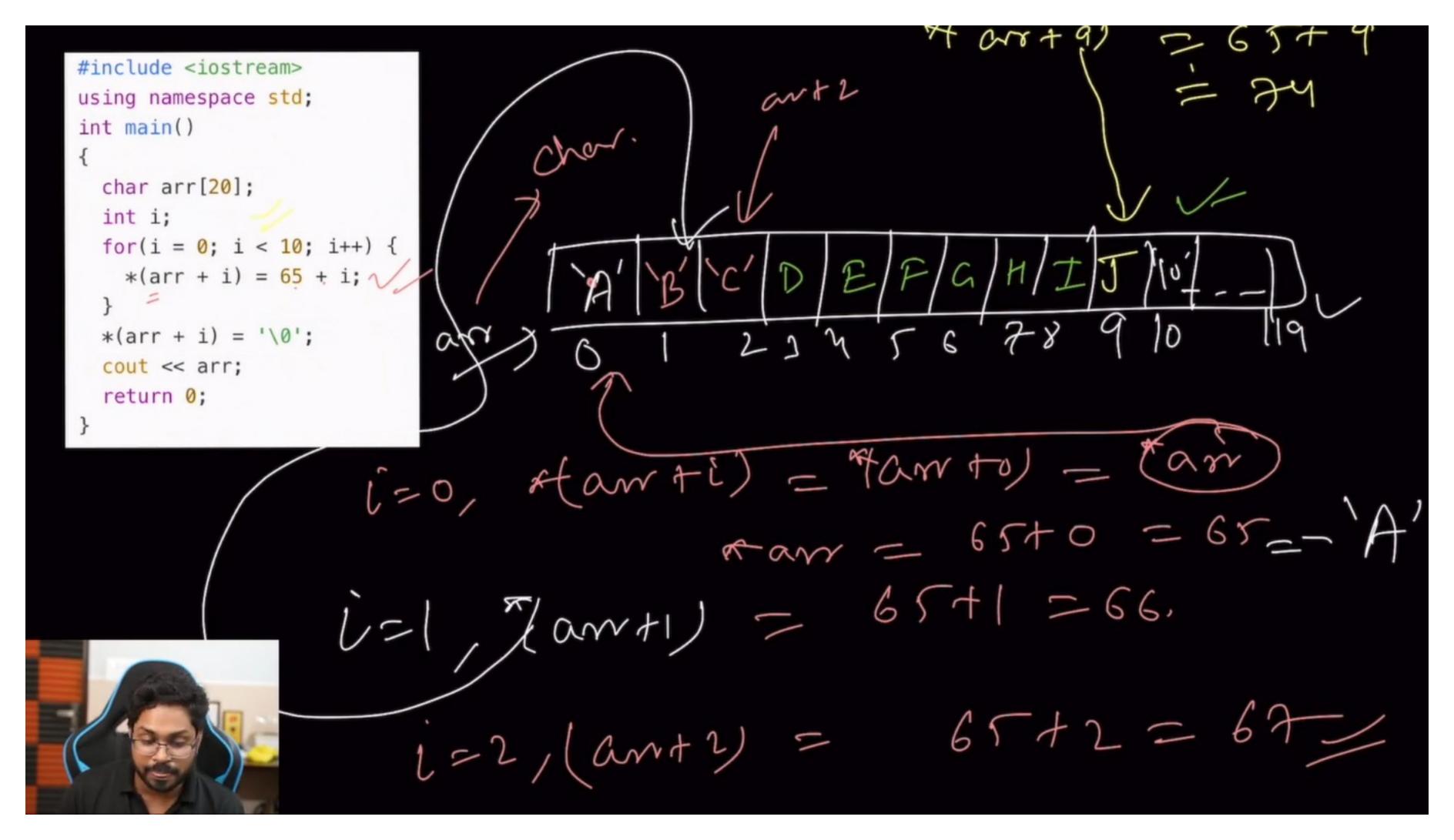


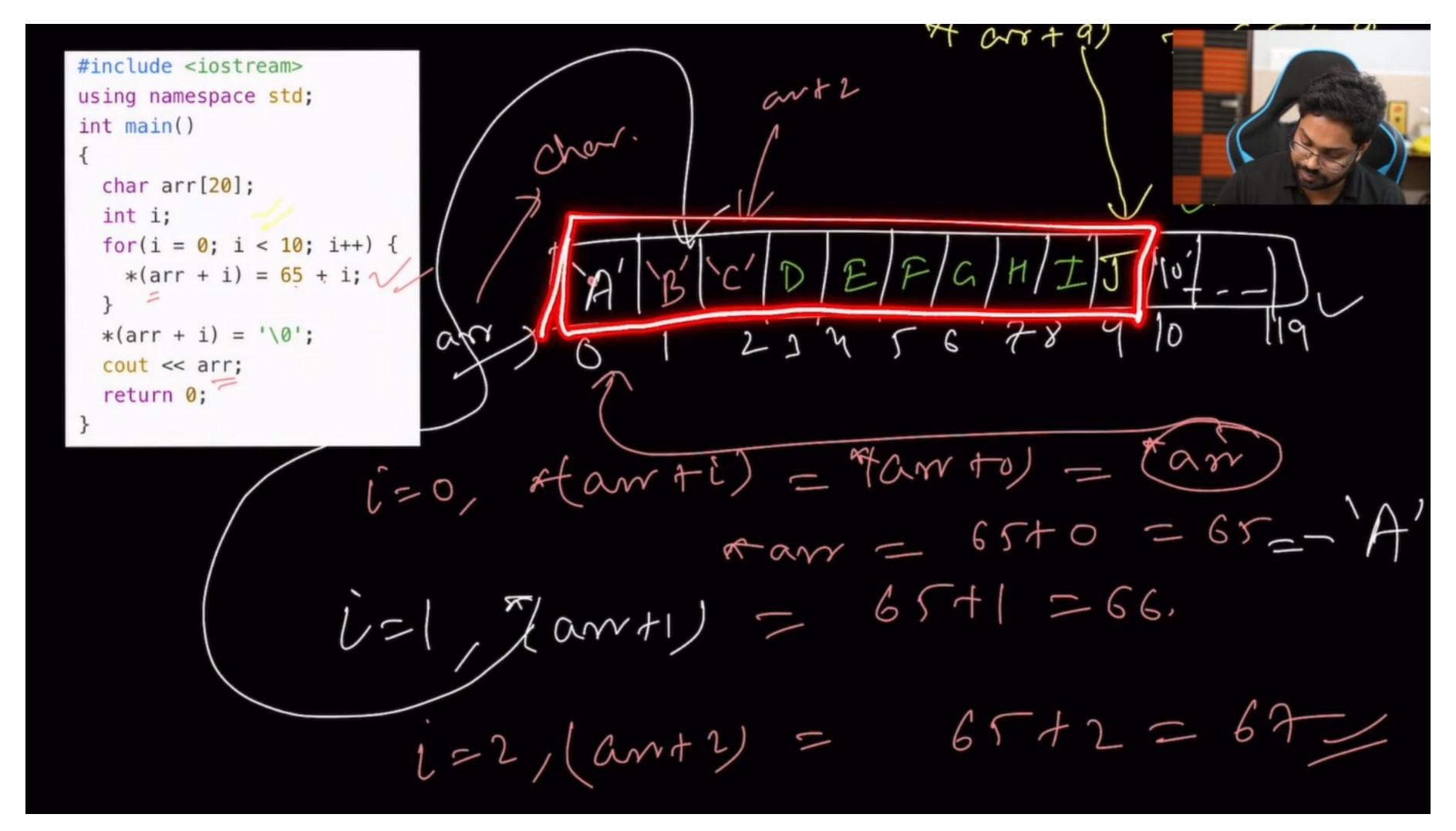


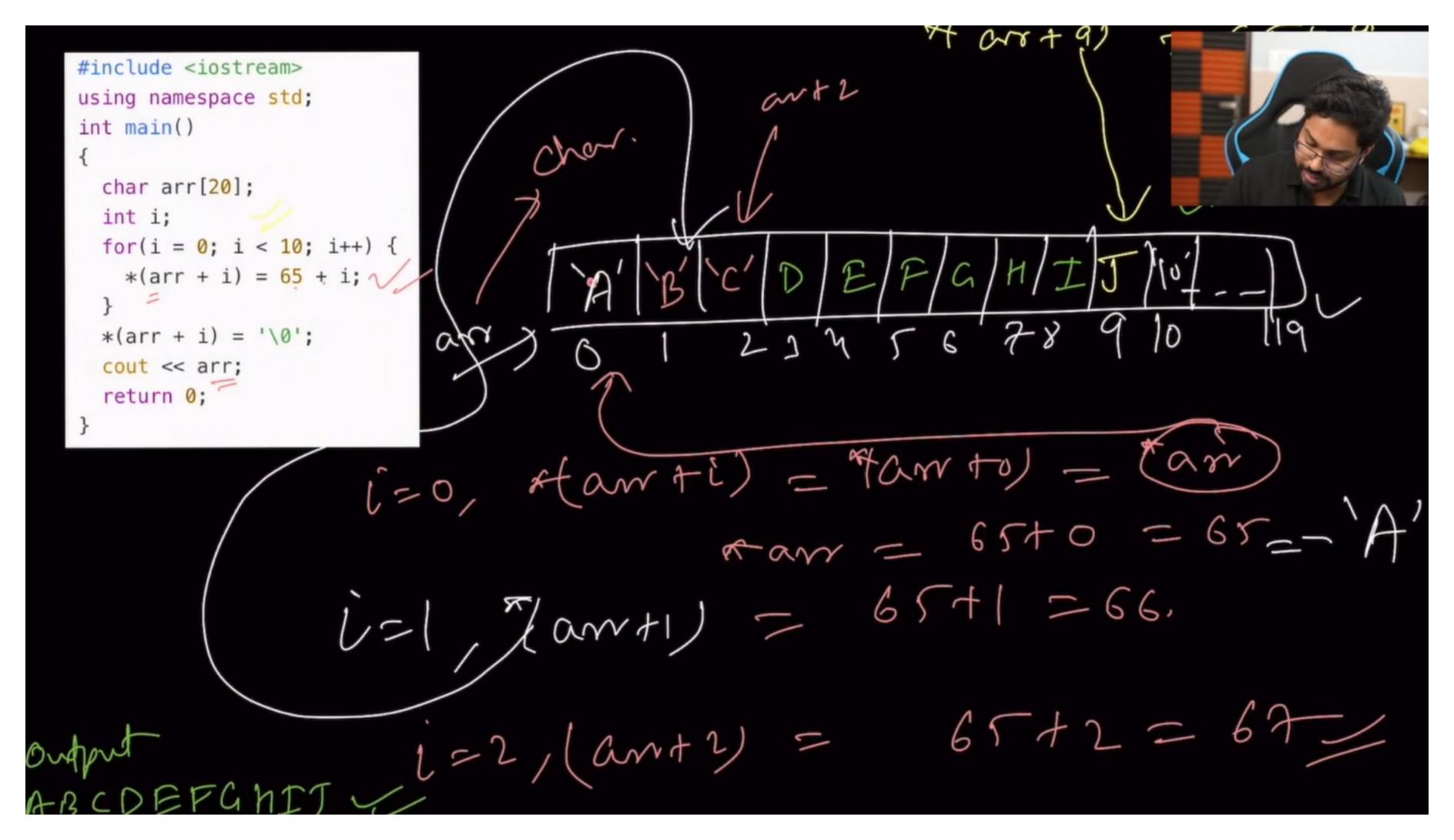


Output!

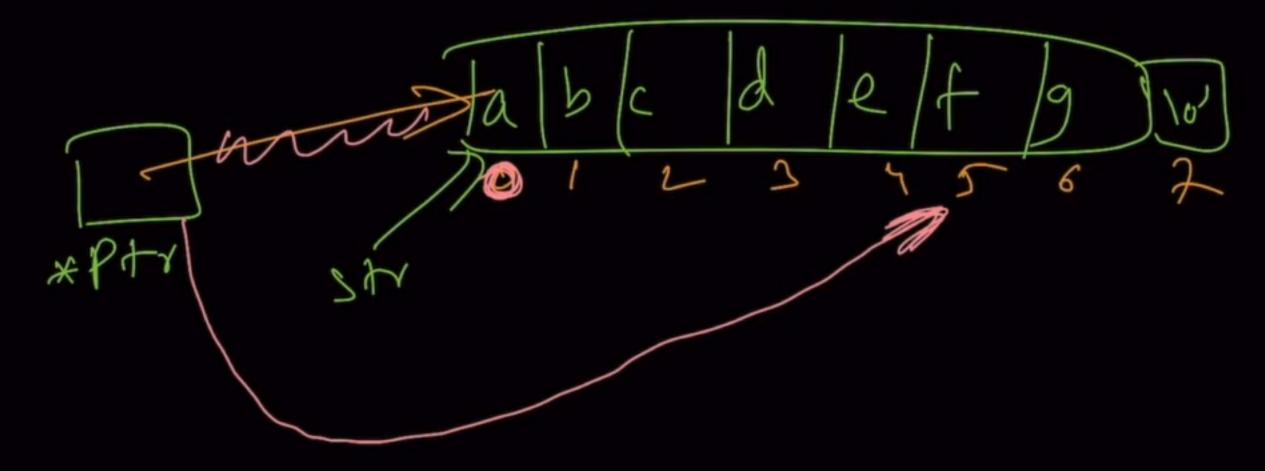








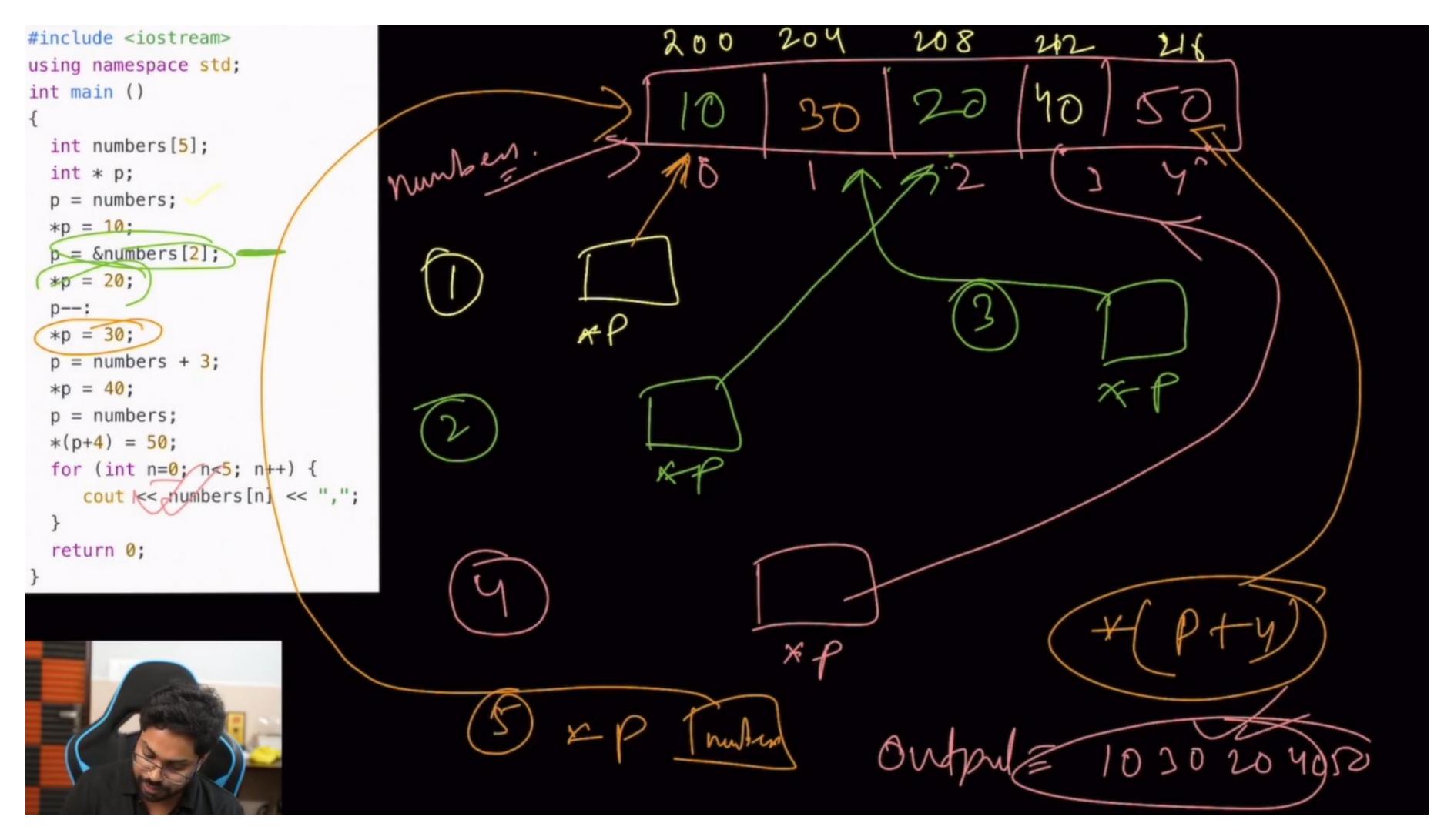
```
#include <iostream>
using namespace std;
int main()
{
   char *ptr;
   char Str[] = "abcdefg";
   ptr = Str;
   ptr += 5;
   cout << ptr;
   return 0;
}</pre>
```



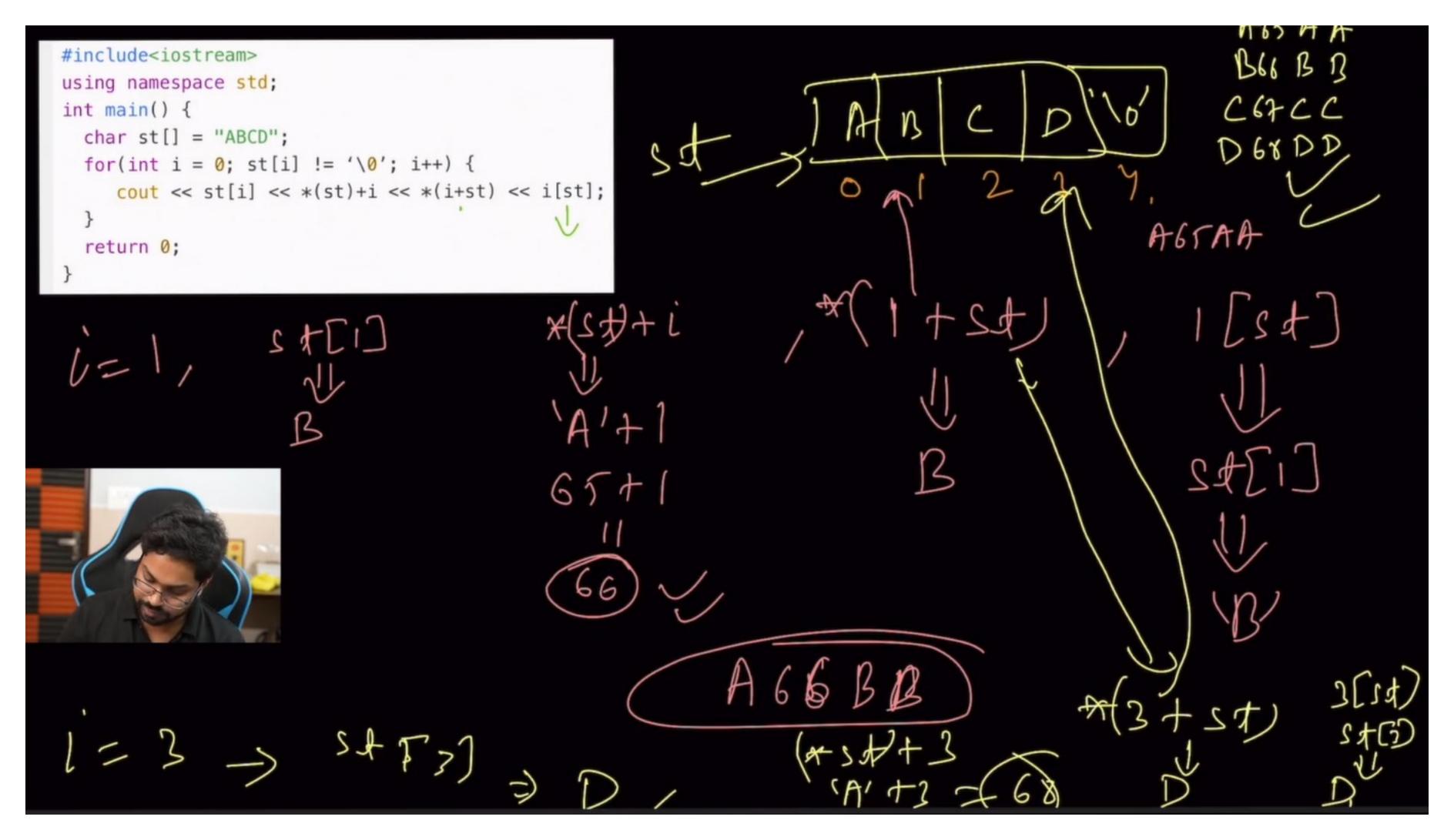
Cont < c ptr

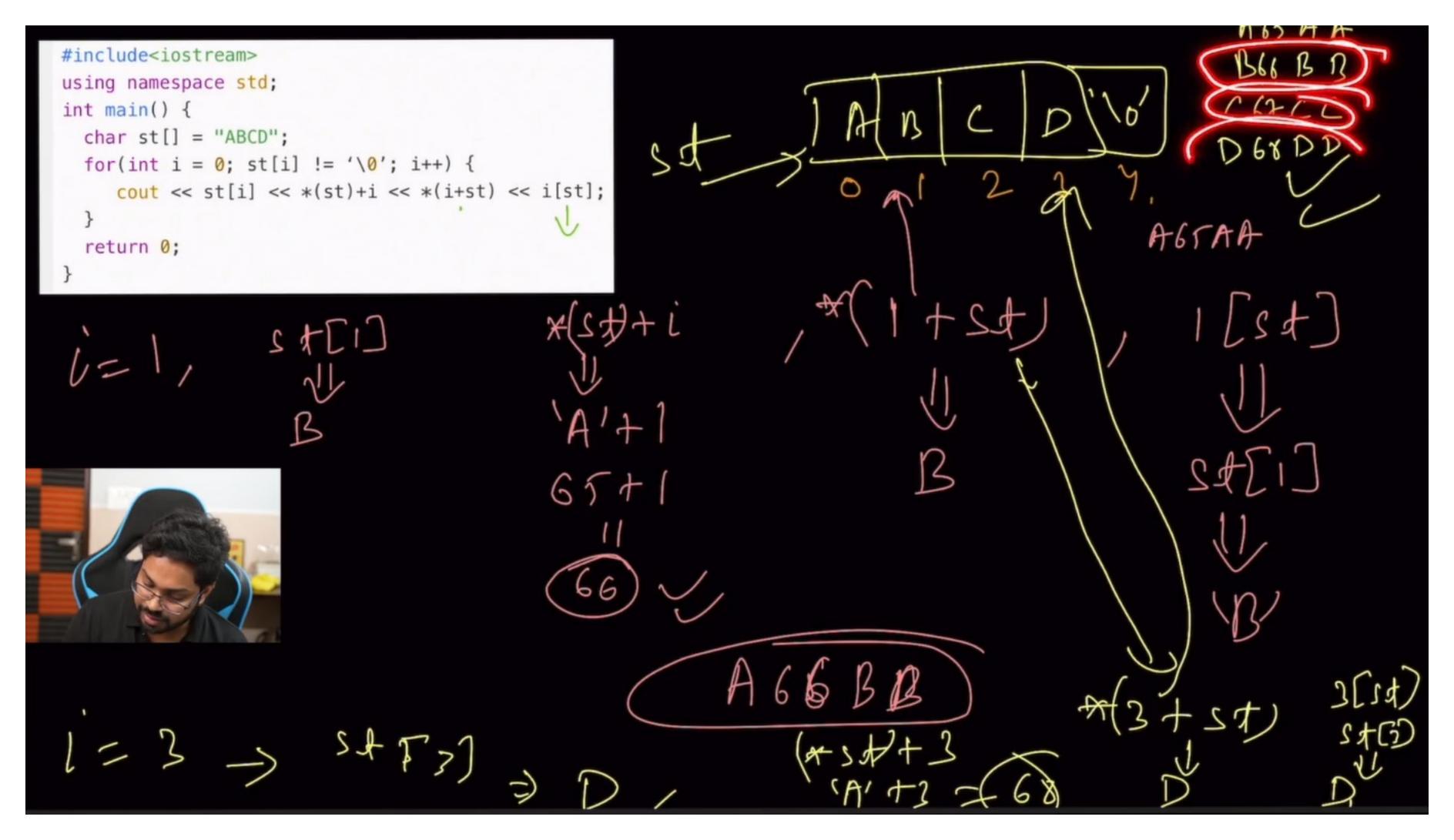
=) Output (fg)

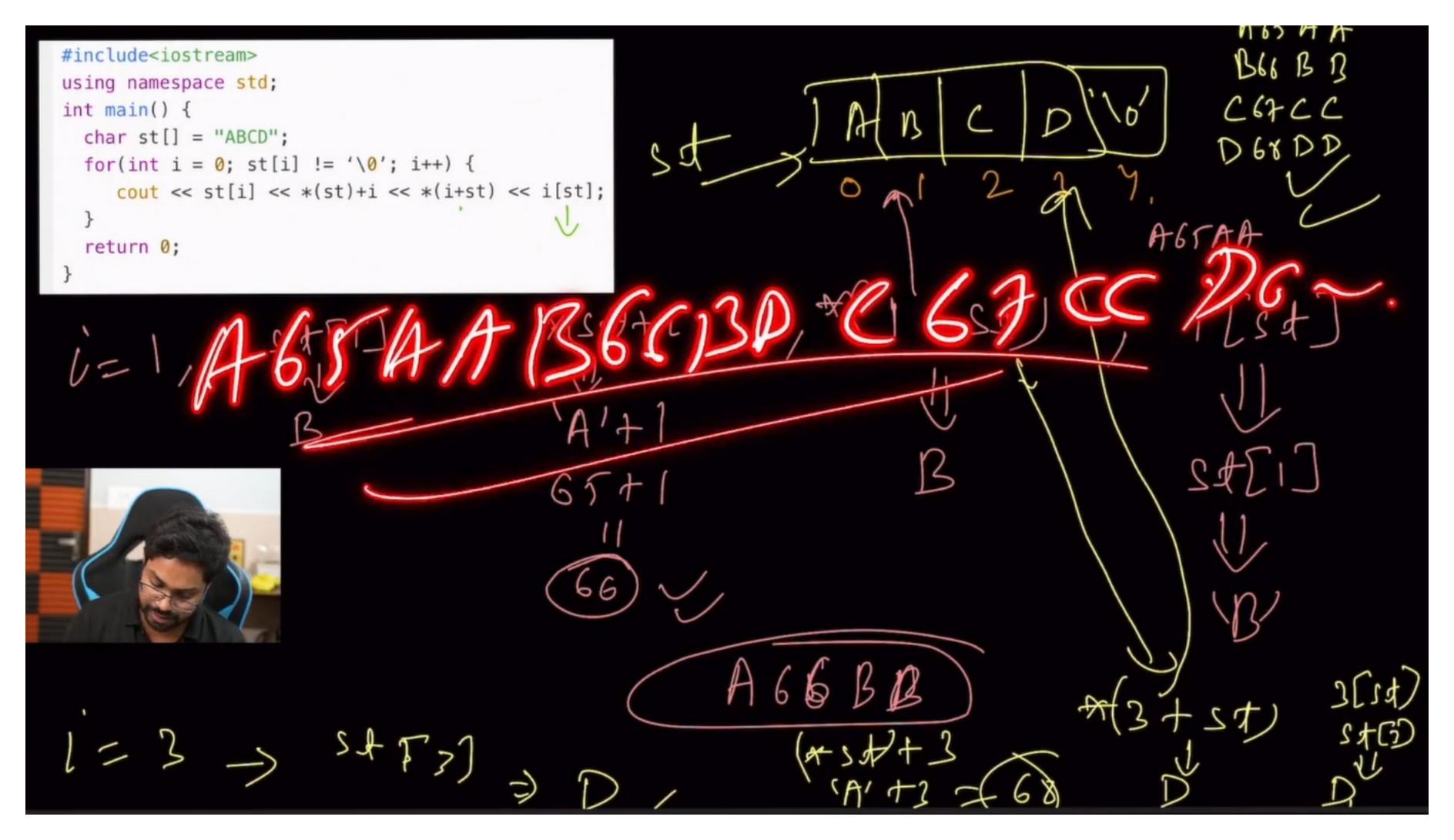




```
#include<iostream>
using namespace std;
int main() {
  char st[] = "ABCD";
 for(int i = 0; st[i] != '\0'; i++) {
     cout << st[i] << *(st)+i << *(i+st) << i[st];</pre>
  return 0;
        1201
```







```
#include <iostream>
using namespace std;
int main()
{
   float arr[5] = {12.5, 10.0, 13.5, 90.5, 0.5};
   float *ptr1 = &arr[0];
   float *ptr2 = ptr1 + 3;
   cout<<*ptr2<<" ";
   cout<< ptr2 - ptr1;
   return 0;
}</pre>
```



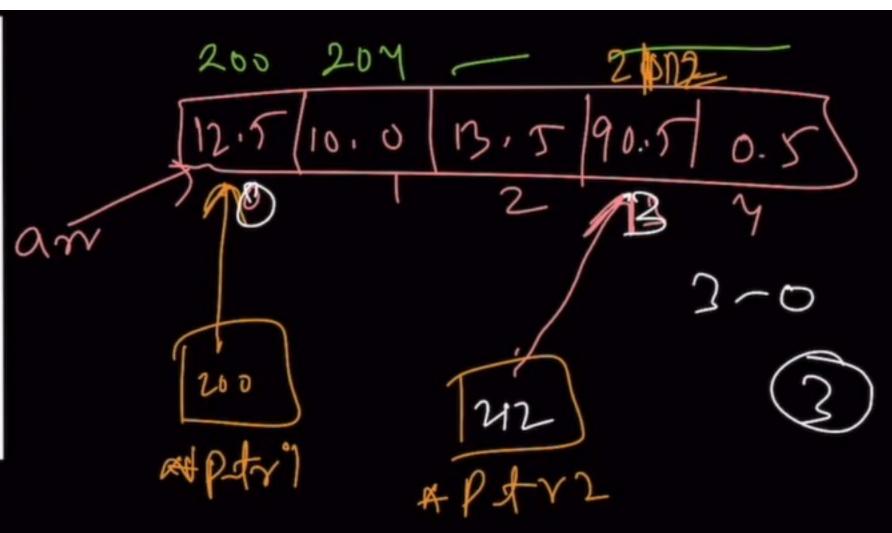
Output: 1 90.5

$$(212) = (200)$$

$$(12-3)$$

$$(12-3)$$

```
#include <iostream>
using namespace std;
int main()
{
  float arr[5] = {12.5, 10.0, 13.5, 90.5, 0.5};
  float *ptr1 = &arr[0];
  float *ptr2 = ptr1 + 3;
  return
}
```



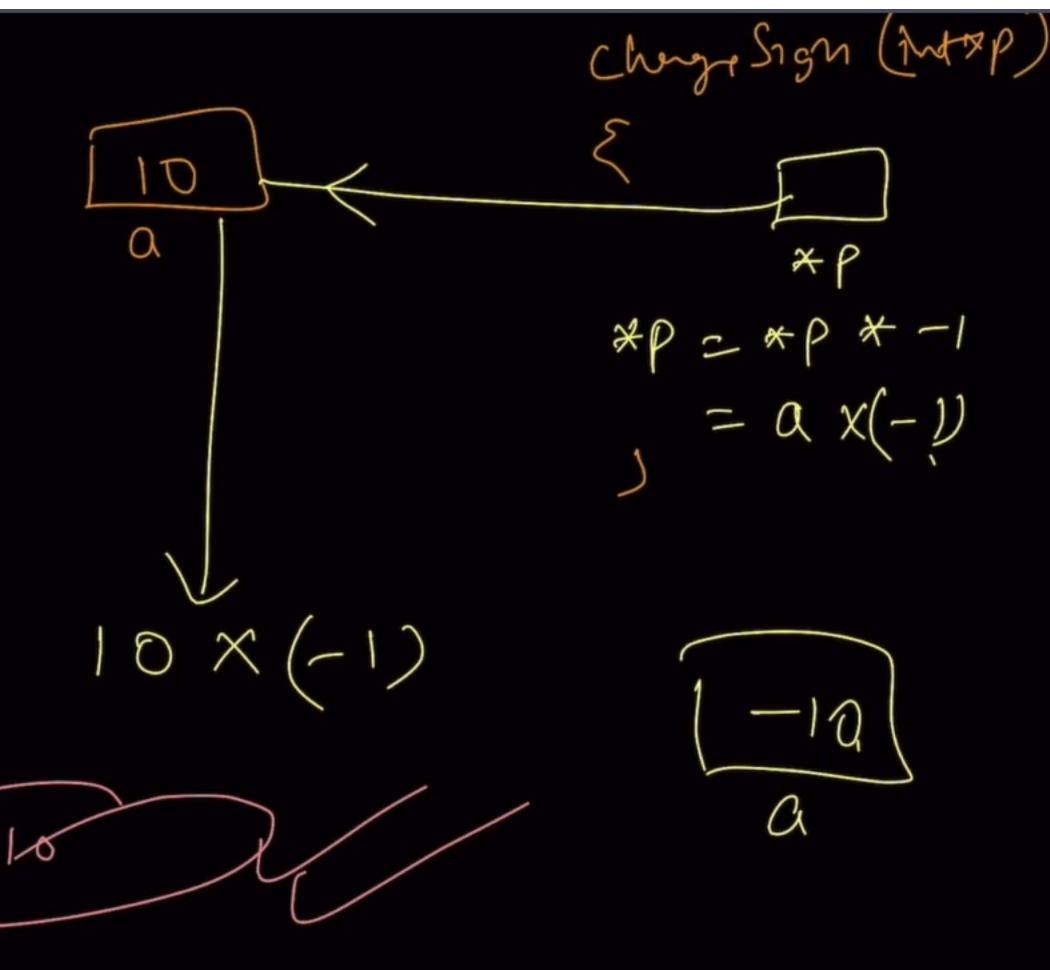


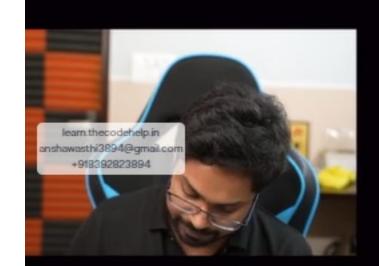
Output: 1 90.5

$$(212) = (200)$$
 $(12-3)$
 $(12-3)$

```
void changeSign(int *p){
  *p = (*p) * -1;
}

int main(){
  int a = 10;
  changeSign &a);
  cout << a << endl;
}</pre>
```

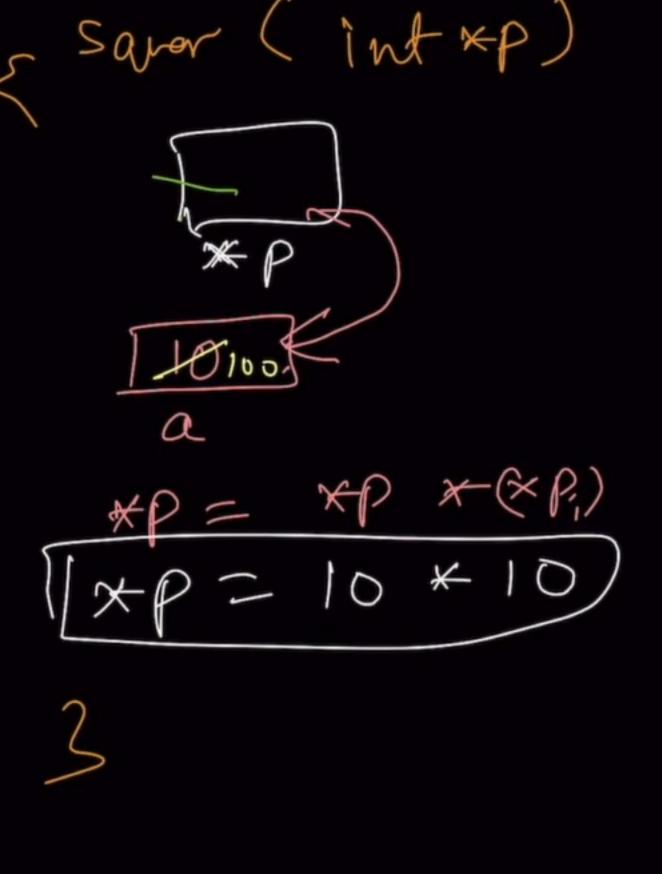




```
s fm (ac)
void fun(int a[]) {
   cout << a[0] << " ";
int main() {
   int a[] = {1, 2, 3, 4};
fun(a + 1);
   cout << a[0];
```

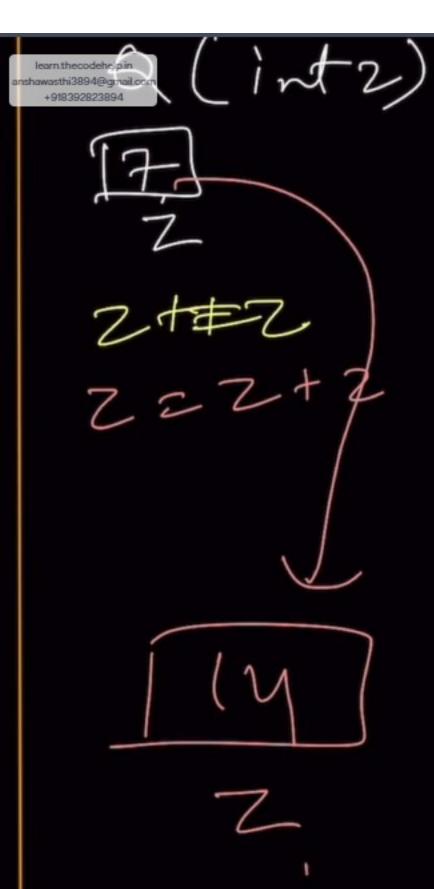
```
void square(int *p){
 int a = 10;
 p = &a;
 *p = (*p) * (*p);
int main(){
 int a = 10;
 square (&a);
 cout << a << endl;
```

```
Coupris
```

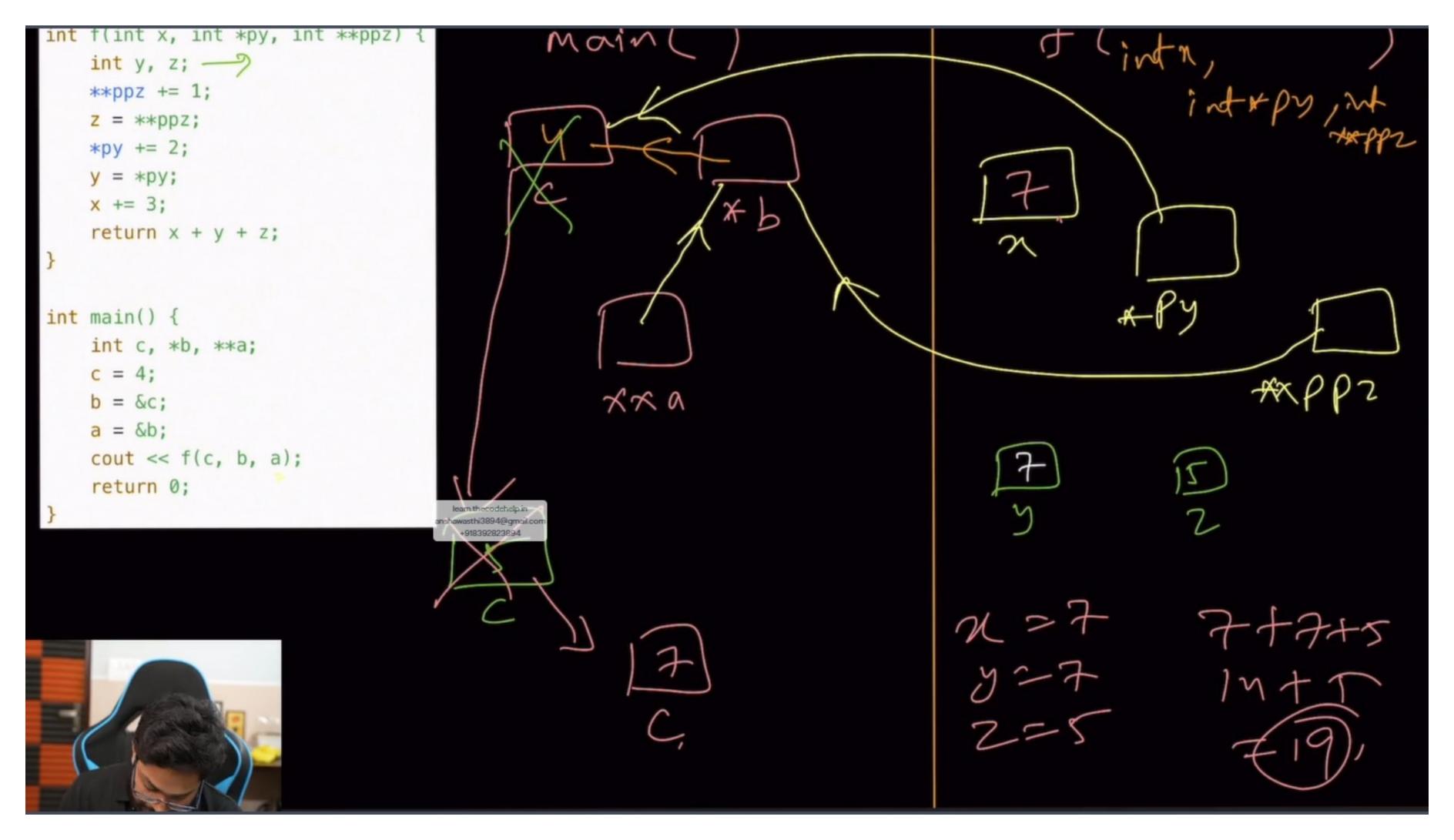




```
#include <iostream>
                       main ? 3
using namespace std;
void Q(int z)
 z += z;
 cout<<z << " "; \
void P(int *y)
  int x = *y + 2;
 Q(x); 57-
 cout << x << " ";
int main()
 int x = 5;
  P(&x);
  cout<<x;
  return 0;
```



```
int a = 10;
int *p = &a;
int **q = &p;
int b = 20;
                                         a
*q = \&b;
(*p)++;
cout << a << " " << b << endl;
                                                XXV
                                            AP = 20+1 = 2
```



```
#include<iostream>
using namespace std;
int main()
 int ***r, **q, *p, i=8;
                                           XXXX
 p = \&i;
 (*p)++; /
 q = \&p;
  (**q)++;
  r = &q;
  cout<<*p << " " <<***r;
  return 0;
```

```
void increment(int **p){
   (**p)++;
}

int main(){
  int num = 10;
  int *ptr = #
  increment(&ptr);
  cout << num << endl;
}</pre>
```

