```
Intersection of Sets
      A = $1,2,33
       B= 33,43
       ANB = 333
  void mitersect (vector (int > & a, vector (int > ab
        vector (int i=0; i(a.sizel); ++i) {
            for (int j20; j < b. sial); ++ j) {
                 4 (a[i] == b[j]) {
                 // Store in the resulting array. 3 c. push-back (a[i]);
 bool exists (vector (int > k v, int q)
       for (int i20; i < v. size(); ++i) }
           4 (r[i] == q) {
      return false;
```

```
void intersect (vector (int 7 & a, vector (int) & b)
      vector (int) c;
      for (int izo; ica. size(); ++i) }
           if (exists (b, acis)) }
           c.push-back(a[i]);
      3
 3
Union of Two Sels
      A = {1,2,3}
      B = 33,43
      AUB= $1,2,3,43
 void union 1 ( vector (int) & a, vector (int) & b)
     vector (int > c;
    for (int 620; é< a. $12e(); ++i) {

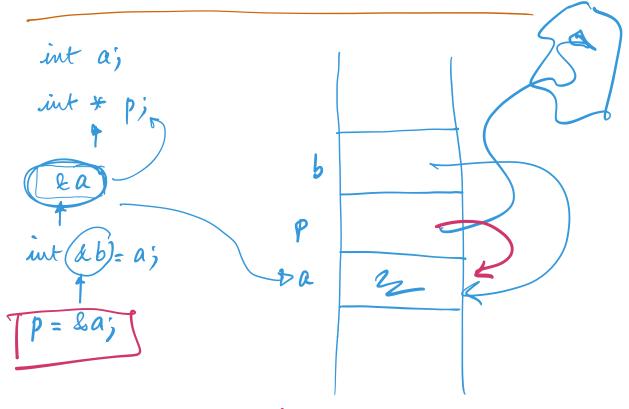
c. push - back (a[i]);

}
    c. push-back (ali]);
     for (int 120; 14 b. size (); ++i) {
         if (exists (a, 6213)) {
         else &
```

```
c. push-back (bli])
find a Sub-String
    Str: i am teaching c++.

9: am
 bool match (char * s, char * q, int leng)
          3 refurn false;
 int find (chan & S, int lens, chan & q, int leng)
      for (int i=0; i< lens-leng; ++i) }
          if (matches ( & SEiJ, 9, leng) {
```

heturn i; 3 return -1;



cont << &a << endl; cont 44 a 44 endl;



```
Longest Sub Segrence
           012345678961112131415
                                 → 16
           aaa3dabdexxxx33j
 letter = x
 location = 9
 length = 4
Void SS (charx S, wit lens, chark c, int & p, int & l)
    int current_best_ len = 1;
    int current - best - pos = 0;
    chen current_best_ch = s(o);
   int e1 = 1;
   int p1 = 0;
   int c1 = S(0);
    for (int i 21; icleus; ++i) }
         if (sli) == c1) {
             ++11;
             if (les > current_best_len) {
                 current_best_len = l1;
                 current_best-char = C1;
             Current-pest-pos=P1;
```

Cout (<) a;

OStream & operator << (ostream, -..)

class A {

void foo();

void boo() const;

3;

A aj

const $Ak b = a_j$ b. foo(); X

b. boo ();

const inthe operator [] (int i) { ... }

