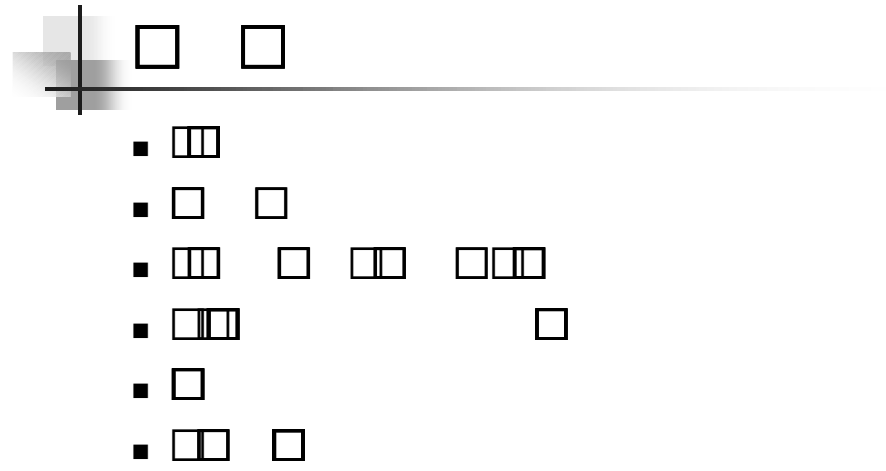


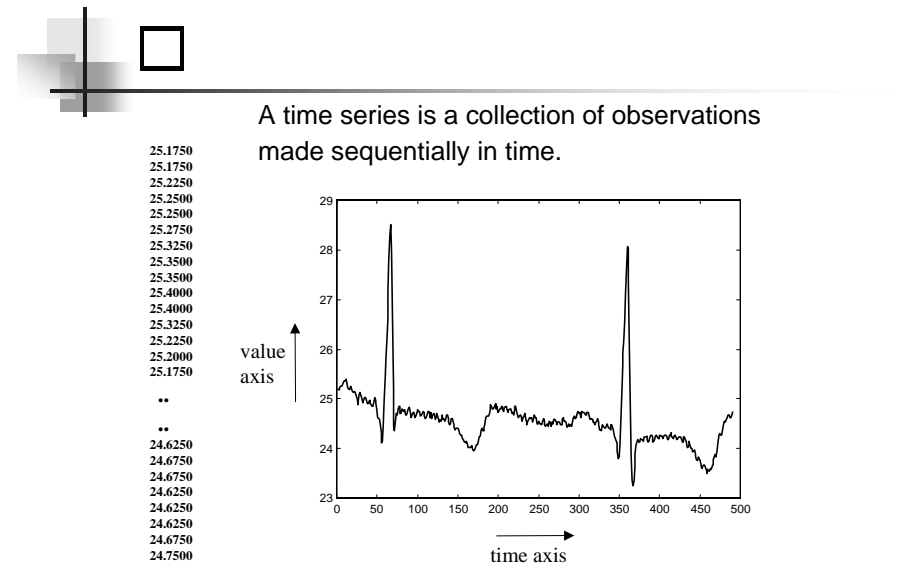
19/12/2002

1



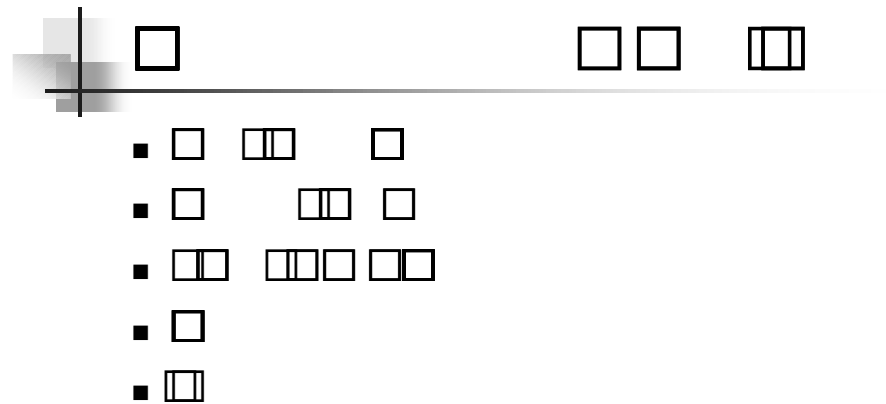
19/12/2002

2



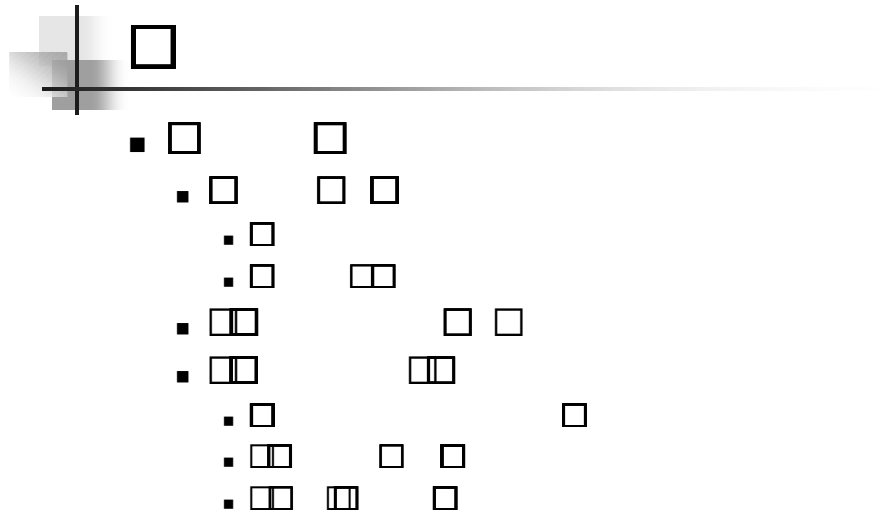
19/12/2002

□



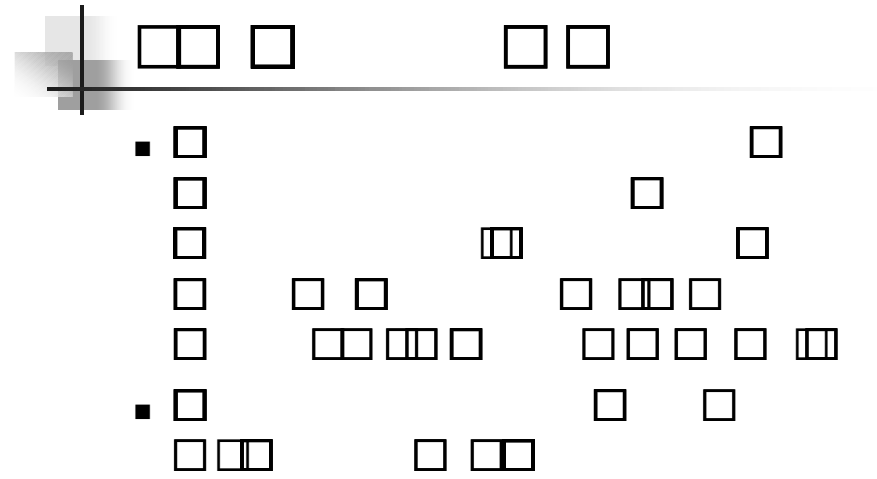
19/12/2002

□



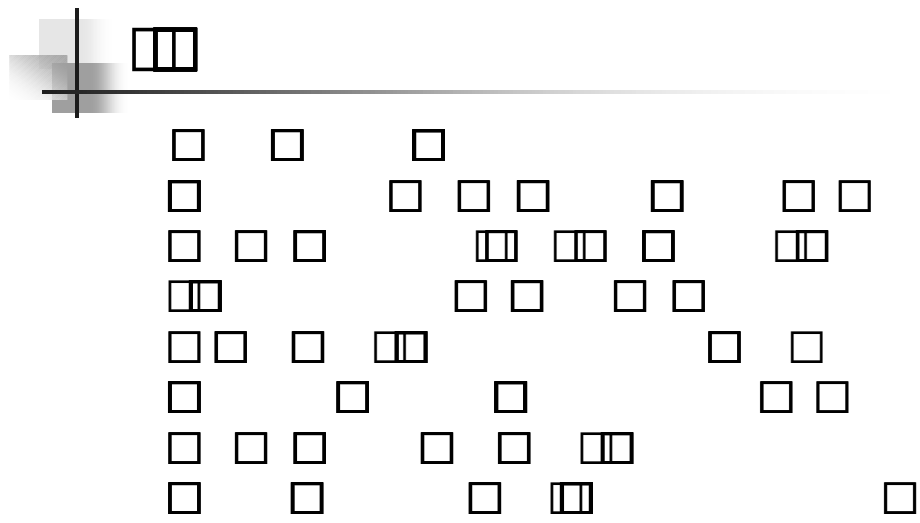
19/12/2002

□



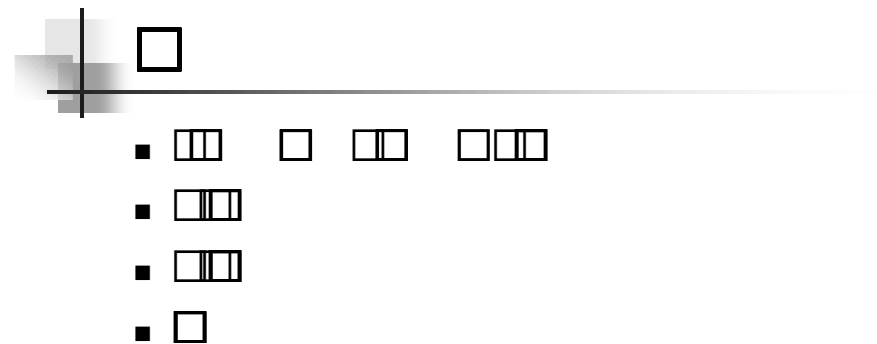
19/12/2002

□



19/12/2002

□



19/12/2002

□

□ □

- □□
- □ □
- □□ □ □□ □□□
- □□□ □
- □
- □□ □

19/12/2002

9

□ □

- □□□ □ □□□□
- □□ □ □□□□ □
- □ □□ □
- □ □□ □□□
- □ □ □□ □ □□
- □□□ □ □□□□ □□□

19/12/2002

10

□□ □ □

- □ □ □ □ □
- □□□□□□□ □□
- □□□ □ □□9□
- □ □ □ □□□
- 1□□□□ □□ □□□

19/12/2002

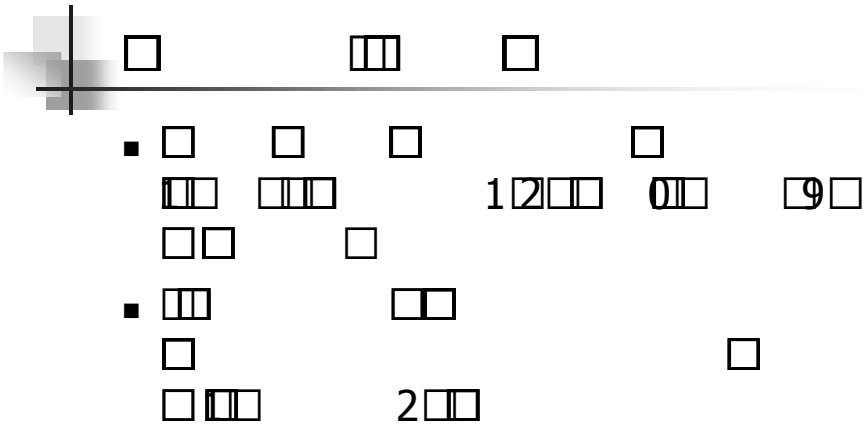
11

2□□ □ □ □□

- □ □□ □□□ 91□□□
- □□ □□ □ □ □
- □□ □□ □□□ □ □
- □ □ □ □ □ □□□
- 09□□

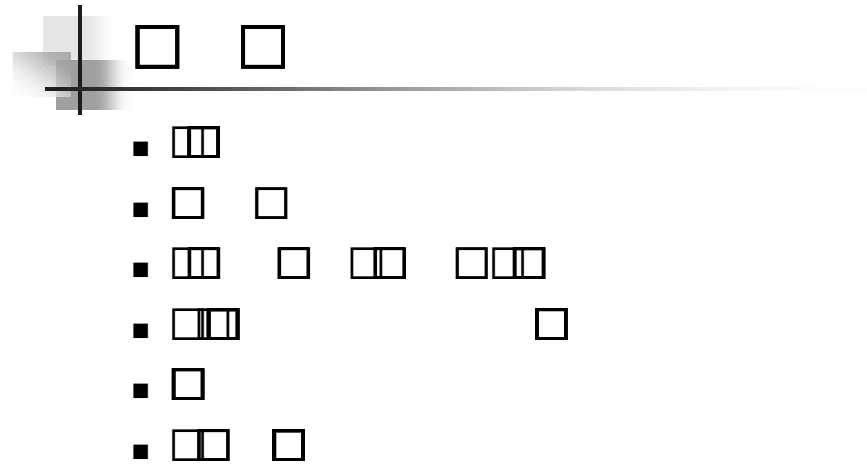
19/12/2002

12



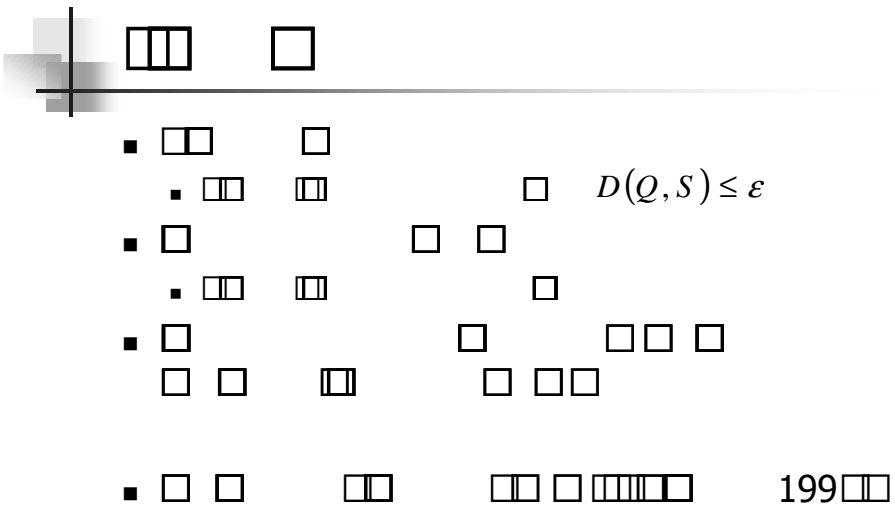
19/12/2002

1□



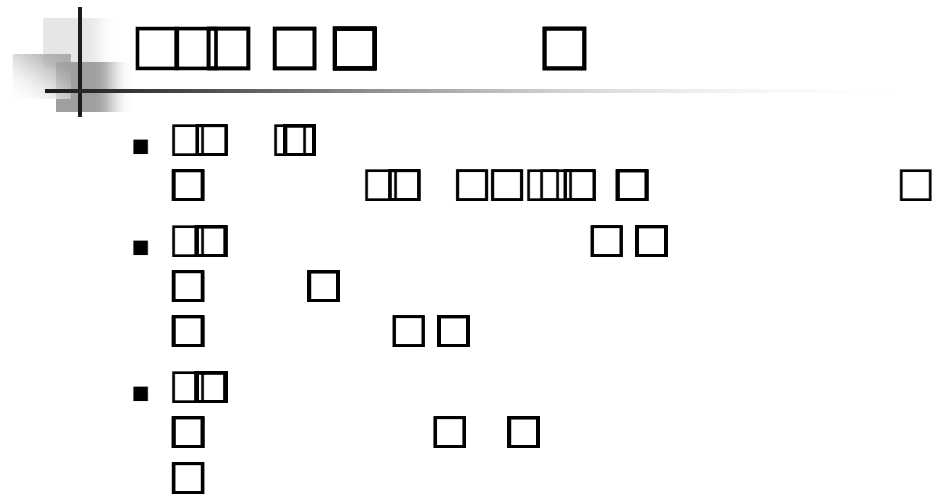
19/12/2002

1□



19/12/2002

1□



19/12/2002

1□



```

Algorithm sequential_scan_Op1(data,query)
best_so_far=inf;
for every item datai in the database
  if  $\sum (data_{ij} - query_j)^2 < best\_so\_far$ 
    pointer_to_best_match= i;
    best_so_far=  $\sum_j (data_{ij} - query_j)^2$ ;
  end;
end;

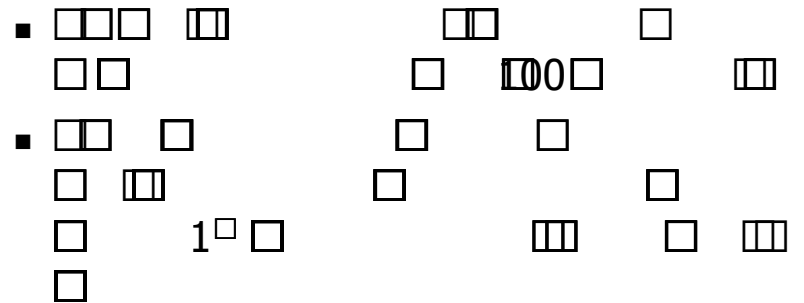
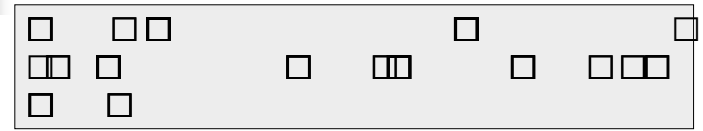
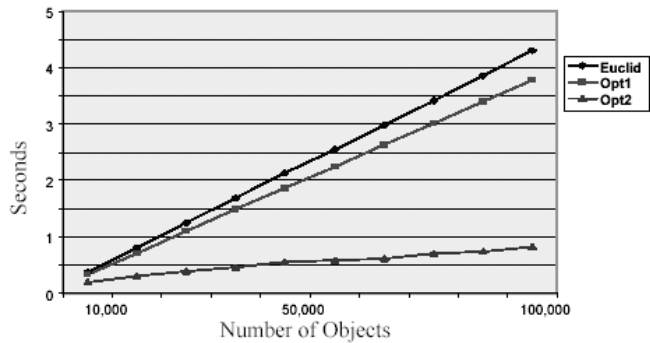
```

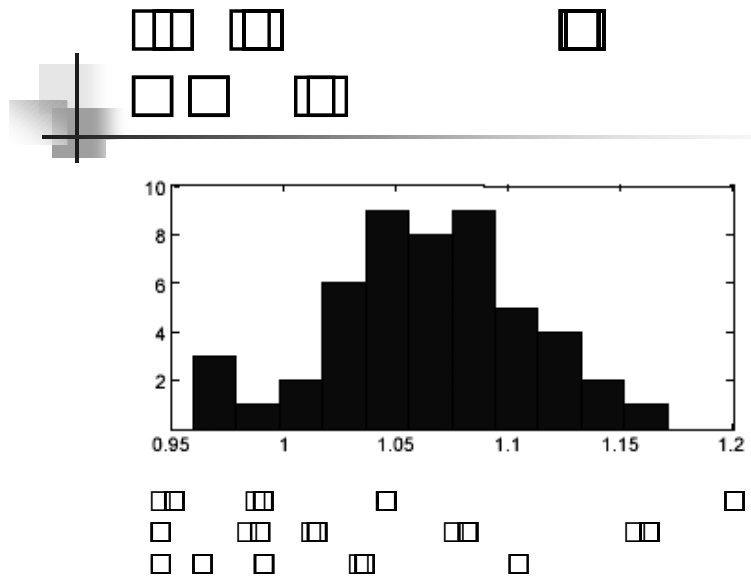


```

Algorithm sequential_scan_Opt2(data,query)
best_so_far =inf;
for every item datai in the database
  sum=0;
  for each dimension j
    sum=sum+  $\sum_j (data_{ij} - query_j)^2$ ;
    if sum>=best_so_far
      exit loop j;
    end;
  end;
  if (sum<best_so_far)
    pointer_to_best_match=I
    best_so_far=sum;
  end;

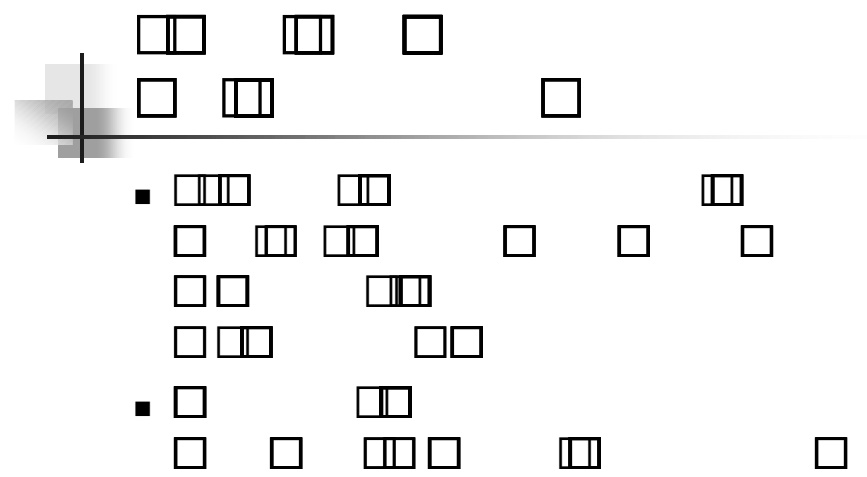
```





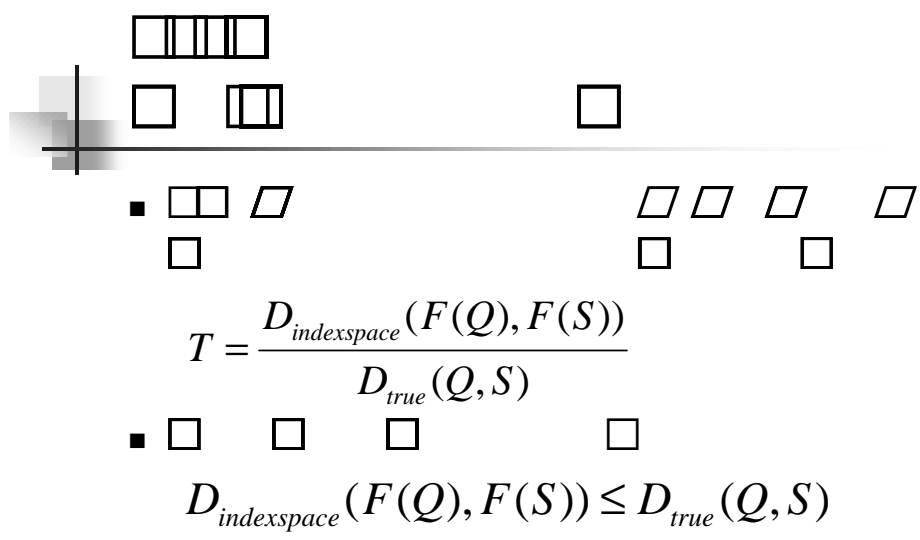
19/12/2002

2□



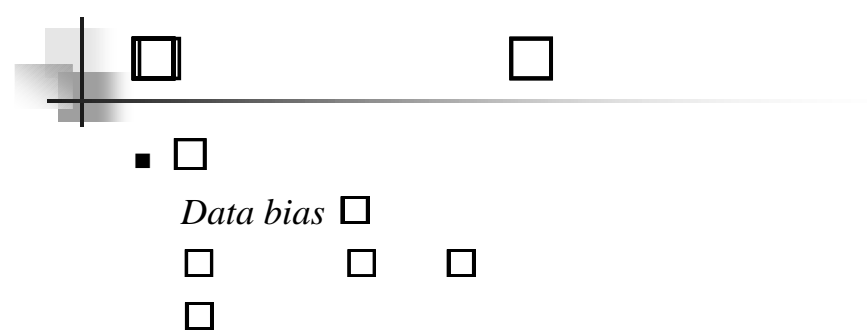
19/12/2002

2□



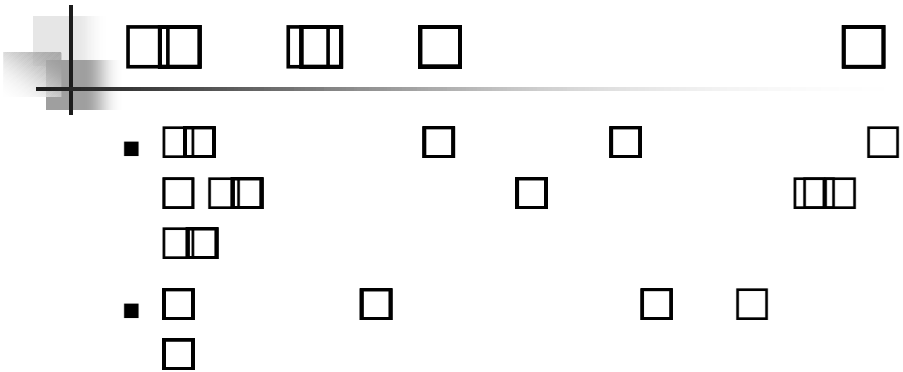
19/12/2002

2□



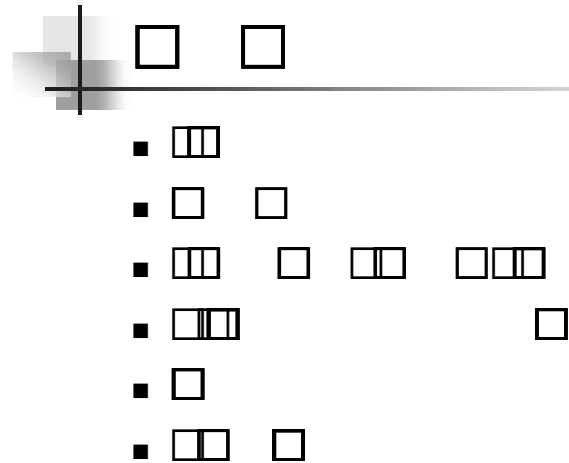
19/12/2002

2□



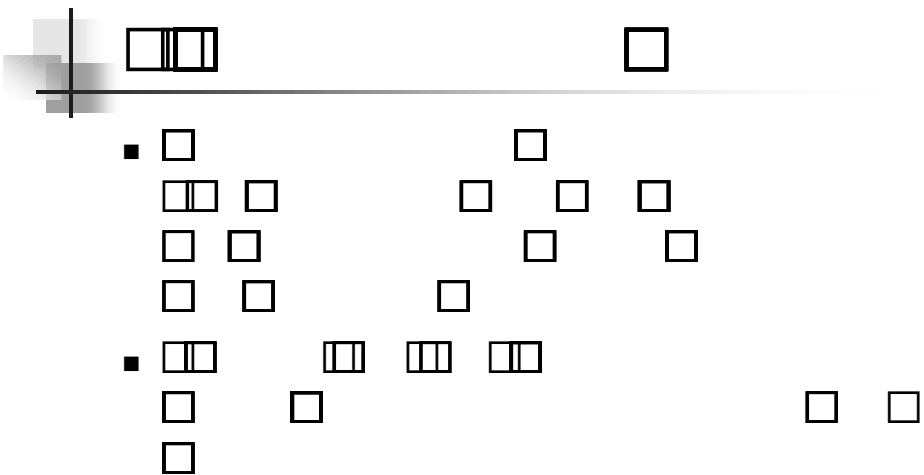
19/12/2002

□□



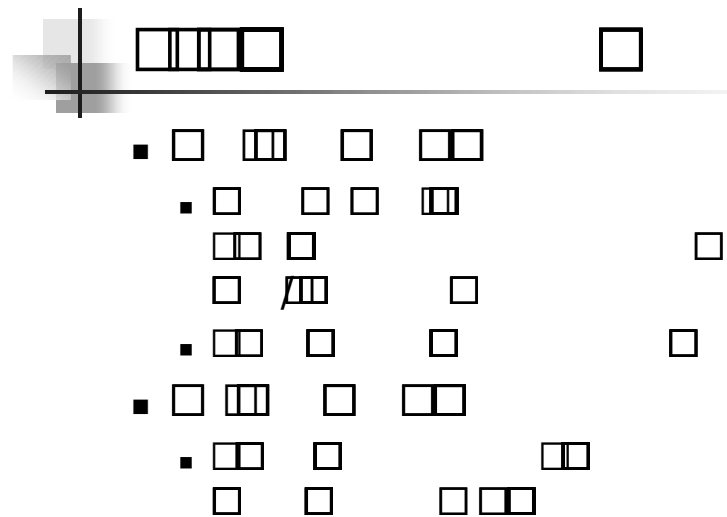
19/12/2002

□□



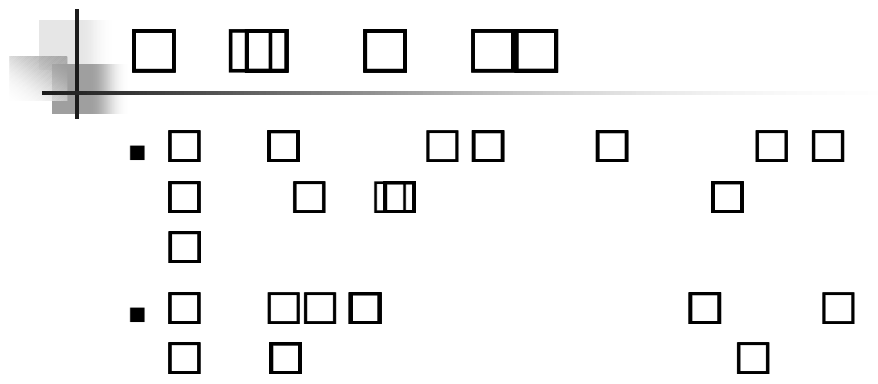
19/12/2002

□□



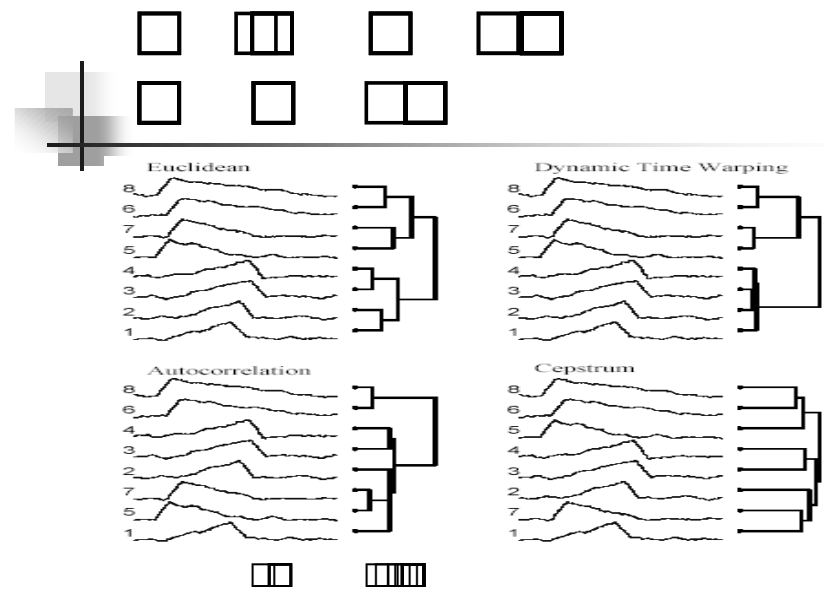
19/12/2002

□□



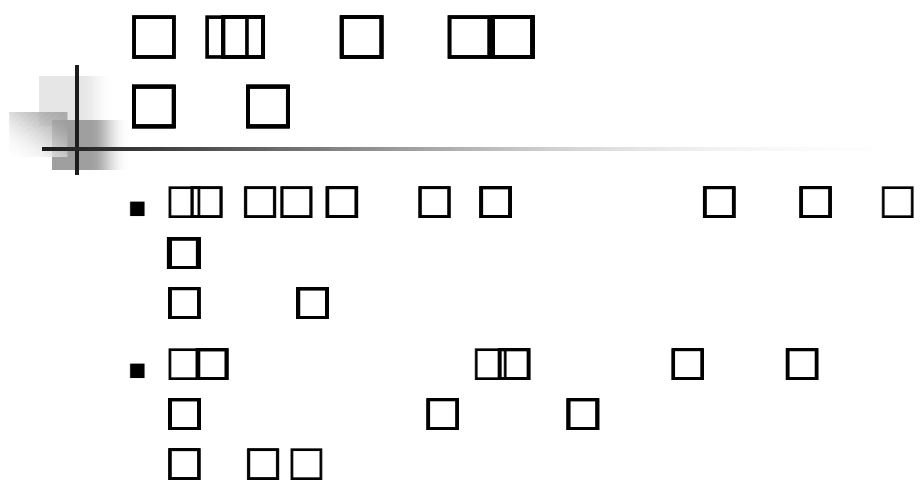
19/12/2002

□



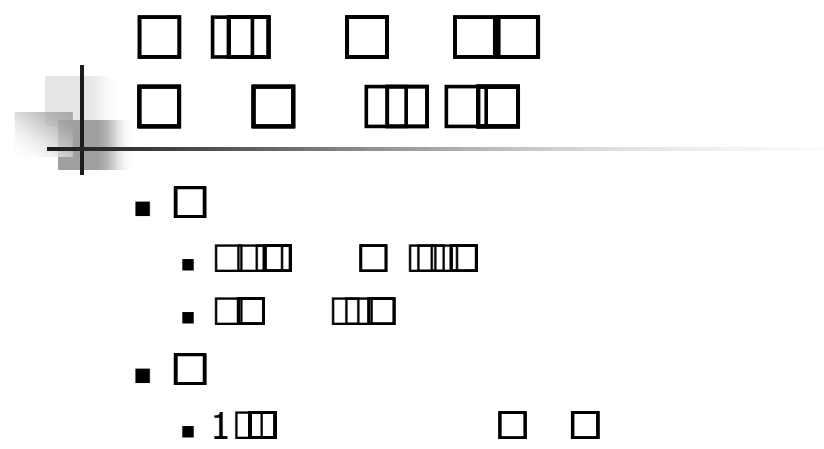
19/12/2002

□



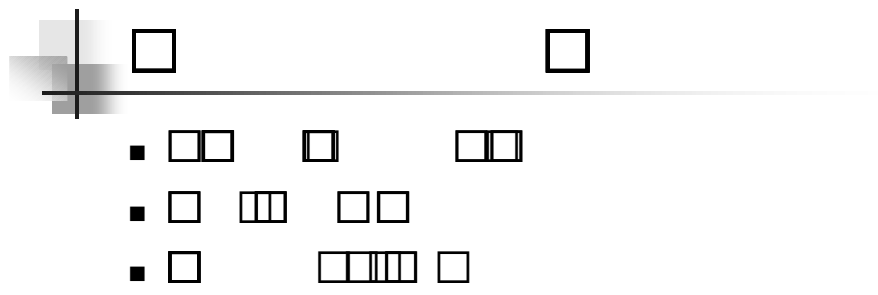
19/12/2002

□



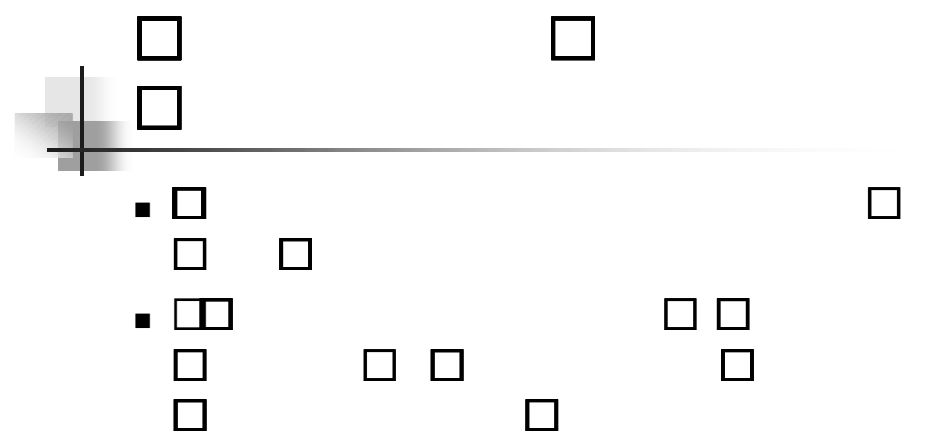
19/12/2002

□



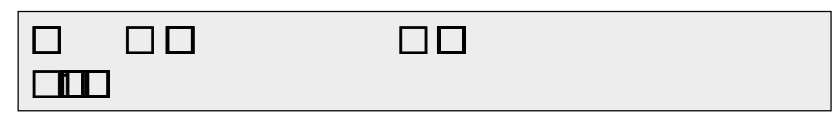
19/12/2002

□□



19/12/2002

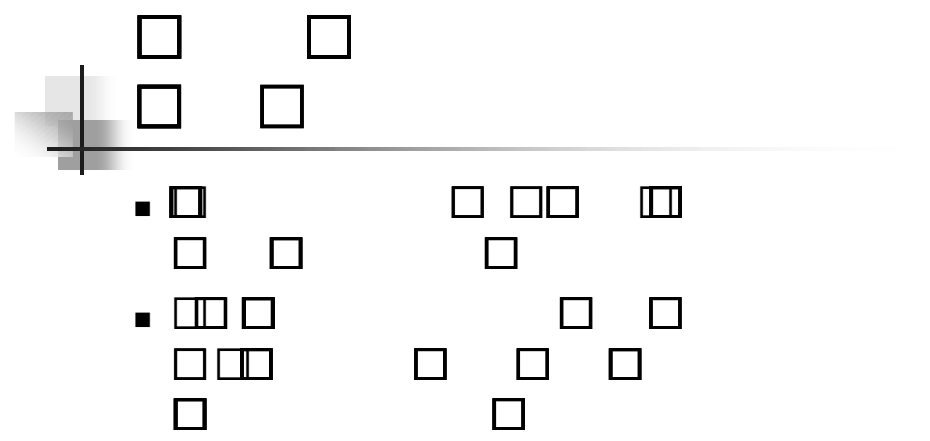
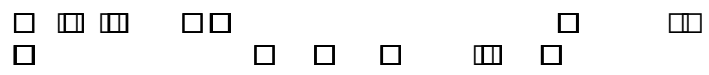
□□



19/12/2002

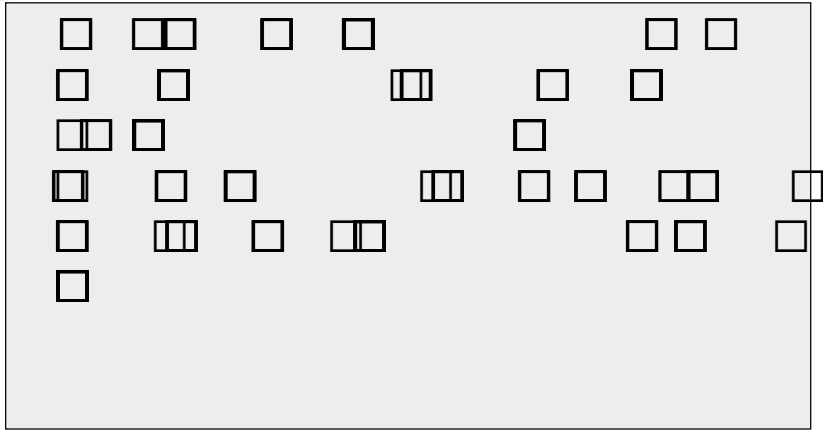
□□

Dataset	Best Algorithm	Second-Best Algorithm	Third-Best Algorithm
Soiltemp	TD (522.6)	SW (538.0)	BU (538.1)
Darwin	TD (575.2)	BU (821.0)	SW (833.9)
pHdata	SW (3.590)	TD (4.013)	BU (4.037)
Winding	SW (6.883)	BU (113.0)	TD (117.6)
Balloon	BU (168.1)	TD (224.5)	SW (234.1)
Network	BU (11.02)	SW (13.62)	TD (891.4)

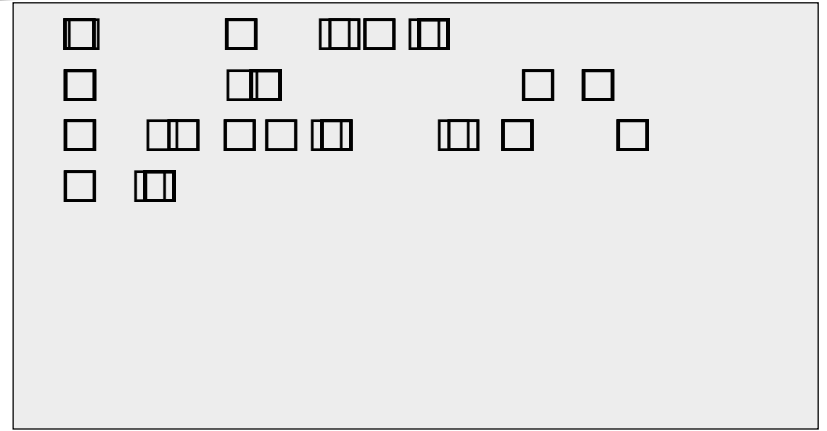


19/12/2002

□□



19/12/2002



19/12/2002



Thank you!

19/12/2002

