C343 / Summer 2020
Lecture Task - 09
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Sketch, draw, or write down
° The BST for a list of numbers given in example
  "Order 1".

  Order 1: 37, 24, 42, 7, 2, 40, 42, 32, 120

```
                    ( 37 )  ] Tier 1

          ( 24 )              ( 42 )  ] Tier 2

      ( 7 )    ( 32 )    ( 40 )    ( 42 ) ] Tier 3

  ( 2 )                              ( 120 ) ] Tier 4
```

・ The BST for a list of numbers given in example "Order 2".

Order 2: 120, 42, 42, 7, 2, 32, 37, 24, 40

```
                        120  ] Tier 1
                       /
                    42  ] Tier 2
                   /  \
                  7     42  ] Tier 3
                 / \
                2   32  ] Tier 4
                   /  \
                  24   37  ] Tier 5
                        \
                         40  ] Tier 6
```