**OUTPUT:**

Optimal Binary Search Tree

Enter the number of nodes4

Enter the data as:

a[1]1

a[3]3

a[4]4

p[1]3

p[2]3

p[3]1

p[4]1

q[0]2

q[1]3

q[2]1

q[3]1

q[4]1

The Optimal Binary Search Tree For the Given Node Is∩┐╜

The Root of this OBST is ::2

The Cost of this OBST is::32

NODE LEFT CHILD RIGHT CHILD

2 1 3

1

3 4

4