Krishnaraj P1.
20 - A1

__/__/____

AA Tutorial - 4

Q.1

$x_1 = 0.50$ $x_3 = 0.11$ $x_5 = 0.04$

$x_2 = 0.26$ $x_4 = 0.04$ $x_6 = 0.03$

$x_7 = 0.02$

Ascending order :

$x_7 = 0.02$ So tree -1

$x_6 = 0.03$

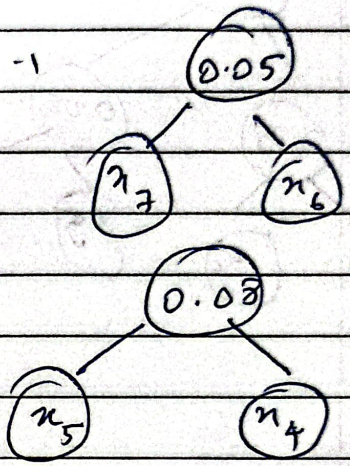
$x_5 = 0.04$

$x_4 = 0.04$

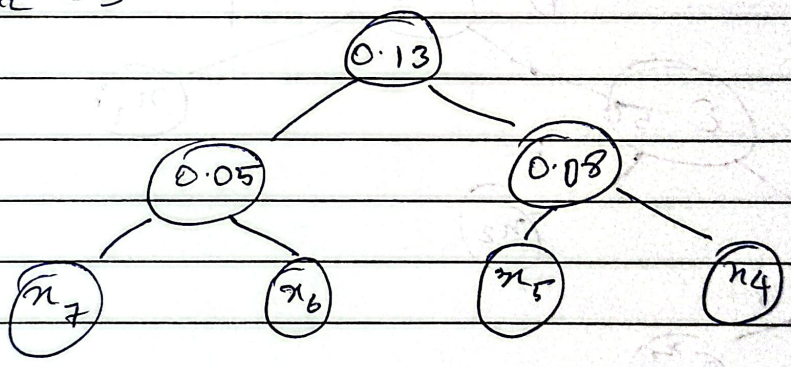
$x_3 = 0.11$ tree - 2

$x_2 = 0.26$

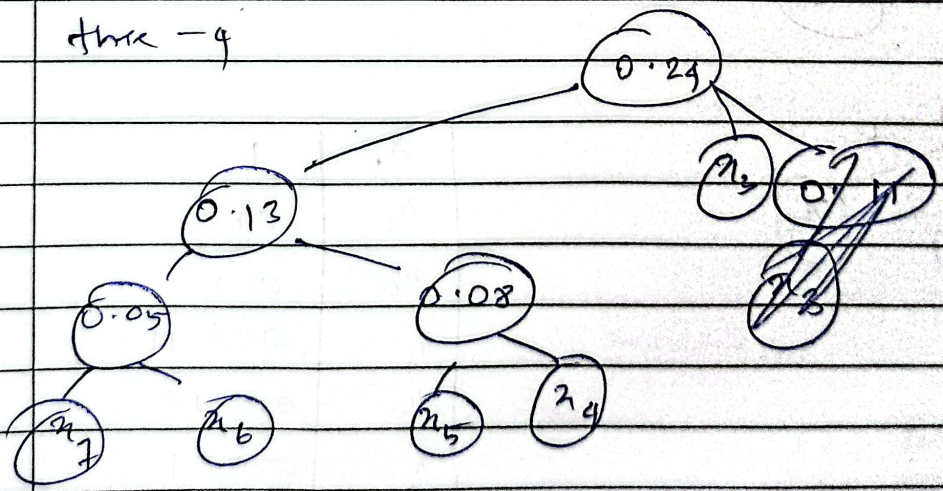
$x_1 = 0.50$

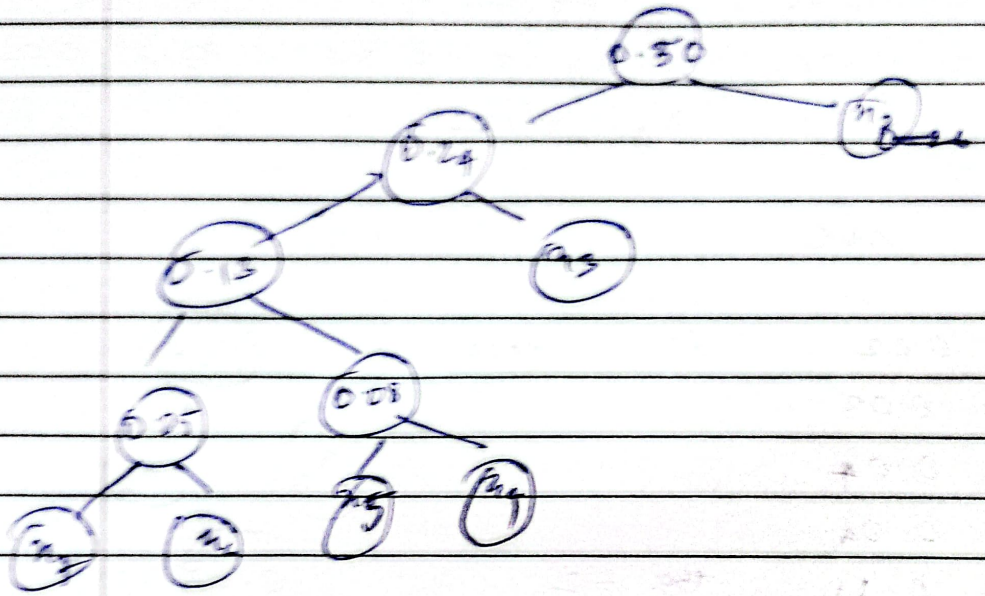


tree - 3

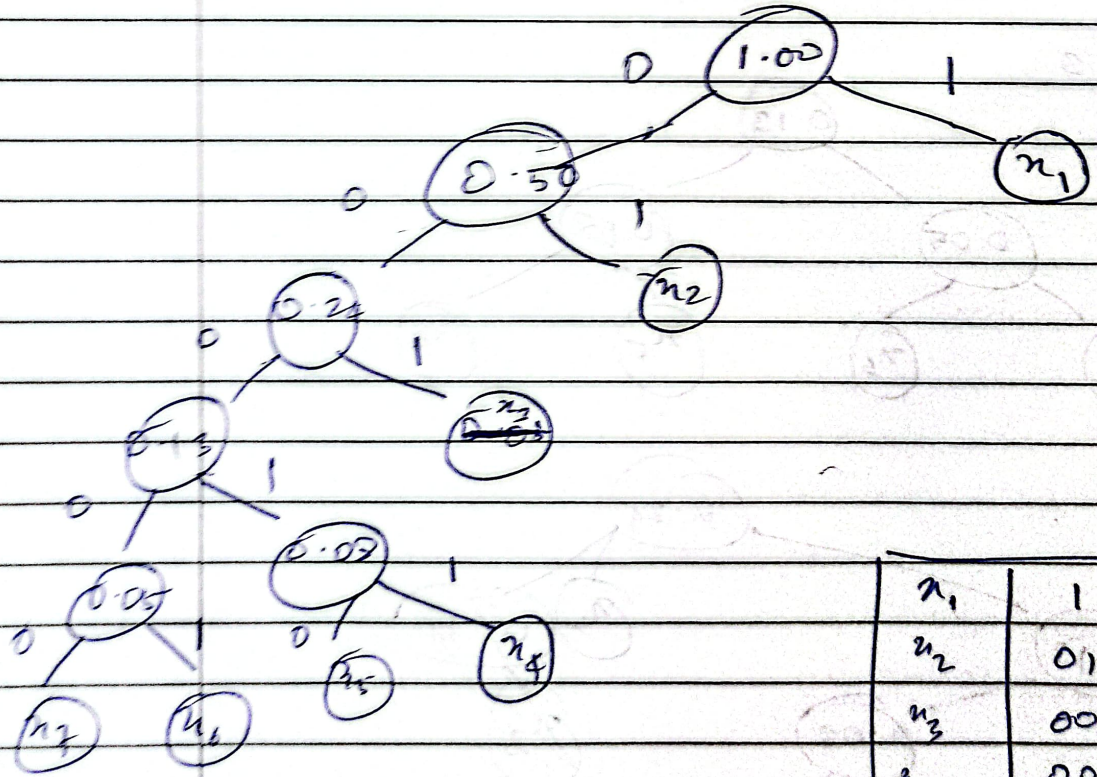


tree - 4





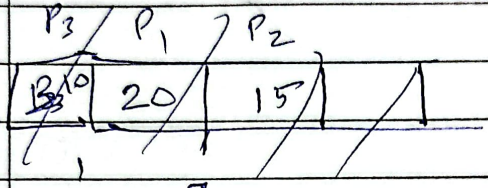
Find the

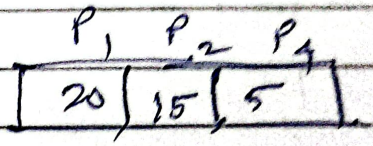


x_1	1
x_2	01
x_3	001
x_4	000 11
x_5	000 10
x_6	0000 1
x_7	

Q.2.

		d
P_1	20	2
P_2	15	2
P_3	10	1
P_4	5	3
P_5	1	3





P = 40

~~10, 20, P_4,~~

would be right as it is within the deadline.

Let us sort the jobs.

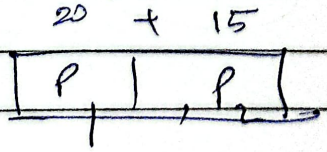
P_1, P_2, P_3, P_4, P_5
2 2 1 3 3

Let us plan it in the slot as per this deadline,

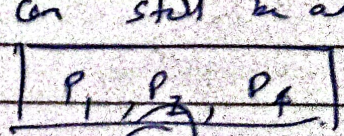
as P_1 is within deadline, we can push it

So P_1 — 20

Next, P_2 can be inserted again as it is within the deadline.
20 + 15



; P_4 can still be added

So 

P_3 can't be inserted now; as deadline has passed