

Branch-And-Bound Node Solution -- Iteration 1

05-12-2013 13:04:56	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	0	1,0000	0,6069	Binary	No
2	X2	0	1,0000	1,0000	Binary	Yes
3	X3	0	1,0000	1,0000	Binary	Yes
	Current	OBJ(Maximize)	= 44,1379	>= ZL =	-M	Non-integer

Branch-And-Bound Node Solution -- Iteration 2

05-12-2013 13:05:53	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	1,0000	1,0000	1,0000	Binary	Yes
2	X2	0	1,0000	0,3804	Binary	No
3	X3	0	1,0000	1,0000	Binary	Yes
	Current	OBJ(Maximize)	= 41,4674	>= ZL =	-M	Non-integer

Branch-And-Bound Node Solution -- Iteration 3

05-12-2013 13:06:23	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	1,0000	1,0000	1,0000	Binary	Yes
2	X2	1,0000	1,0000	1,0000	Binary	Yes
3	X3	0	1,0000	0,1857	Binary	No
	Current	OBJ(Maximize)	= 39,7857	>= ZL =	-M	Non-integer

Branch-And-Bound Node Solution -- Iteration 4

05-12-2013 13:06:53	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	1,0000	1,0000		Binary	
2	X2	1,0000	1,0000		Binary	
3	X3	1,0000	1,0000		Binary	
	This	node	is	infeasible	!!!!!!	

Branch-And-Bound Node Solution -- Iteration 5

05-12-2013 13:07:19	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	1,0000	1,0000	1,0000	Binary	Yes
2	X2	1,0000	1,0000	1,0000	Binary	Yes
3	X3	0	0	0	Binary	Yes
	Current	OBJ(Maximize)	= 37,0000	>= ZL =	-M	New incumbent

Branch-And-Bound Node Solution -- Iteration 6

05-12-2013 13:07:44	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	1,0000	1,0000	1,0000	Binary	Yes
2	X2	0	0	0	Binary	Yes
3	X3	0	1,0000	1,0000	Binary	Yes
	Current	OBJ(Maximize)	= 35,0000	<= ZL =	37,0000	Not better!!

Branch-And-Bound Node Solution -- Iteration 7

05-12-2013 13:08:10	Decision Variable	Lower Bound	Upper Bound	Solution Value	Variable Type	Status
1	X1	0	0	0	Binary	Yes
2	X2	0	1,0000	1,0000	Binary	Yes
3	X3	0	1,0000	1,0000	Binary	Yes
	Current	OBJ(Maximize)	= 32,0000	<= ZL =	37,0000	Not better!!

Combined Report for KP5

	13:09:33		Sunday	May	12	2013
	Decision Variable	Solution Value	Unit Cost or Profit c(j)	Total Contribution	Reduced Cost	Basis Status
1	X1	1,0000	20,0000	20,0000	20,0000	at bound
2	X2	1,0000	17,0000	17,0000	17,0000	at bound
3	X3	0	15,0000	0	15,0000	at bound
	Objective	Function	(Max.) =	37,0000		
	Constraint	Left Hand Side	Direction	Right Hand Side	Slack or Surplus	Shadow Price
1	C1	237,0000	<=	250,0000	13,0000	0