

INSERT(CURRENT_RRN, KEY, PROMO_R_CHILD, PROMO_KEY)
INSERT(7, \$, PROMO_R_CHILD, PROMO_KEY)

PAGE 7

171027						
1	N		2	6	NIL	NIL

POS = 0

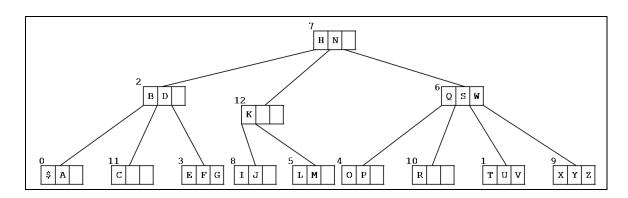
RETURN_VALUE = INSERT(PAGE.CHILD[POS], KEY, P_B_RRN, P_B_KEY)
RETURN_VALUE = INSERT(2, \$, P_B_RRN, P_B_KEY)

••••

RETURN_VALUE = INSERT(PAGE.CHILD[POS], KEY, P_B_RRN, P_B_KEY) PROMOTION = INSERT(2, \$, 12, H)

PAGE 7

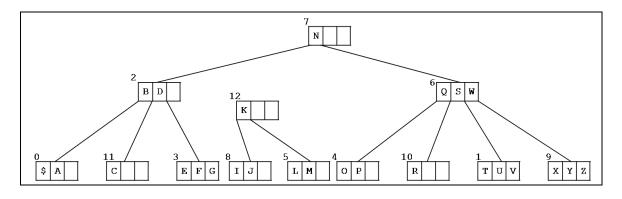
2	Н	N		2	12	6	NIL
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RETURN NO PROMOTION

INSERT(CURRENT_RRN, KEY, PROMO_R_CHILD, PROMO_KEY)
INSERT(2, \$, PROMO_R_CHILD, PROMO_KEY)

PAGE 2											
3	D	Н	K	0	3	8	5				
POS = 0											
_	ALUE = INSEI ALUE = INSEI	-			, P_B_KEY)						
••••											
RETURN_VALUE = INSERT(PAGE.CHILD[POS], KEY, P_B_RRN, P_B_KEY) PROMOTION = INSERT(0, \$, 11, B)											
	KEY, P_B_RR , 2, PROMO_				CHILD, NEW	PAGE)					
SPLIT(I_KEY, I_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE) SPLIT(B, 11, 2, PROMO_KEY, PROMO_R_CHILD, NEWPAGE) PAGE 2											
3	D	Н	K	0	3	8	5				
	D	- 11	K	U			3				
WORKING											
3	D H	K		0	3	8 5					
WORKING	PAGE										
4	В D	Н	K	0	11	3 8	5				
NEWPAGE	12										
1	K			8	5	NIL	NIL				
PAGE 2											
2	В	D		0	11	3	NIL				
PROMO_KI	EY = H _CHILD = 12										
	KEY, P_B_RR , 2, H, 12, 12		OMO_KEY,	PROMO_R_	CHILD, NEW	PAGE)					



RETURN PROMOTION

INSERT(CURRENT_RRN, KEY, PROMO_R_CHILD, PROMO_KEY)
INSERT(0, \$, PROMO_R_CHILD, PROMO_KEY)

PAGE 0

3	А	В	С	NIL	NIL	NIL	NIL
---	---	---	---	-----	-----	-----	-----

POS = 0

RETURN_VALUE = INSERT(PAGE.CHILD[POS], KEY, P_B_RRN, P_B_KEY)
RETURN_VALUE = INSERT(NIL, \$, P_B_RRN, P_B_KEY)

•••••

RETURN_VALUE = INSERT(NIL, \$, P_B_RRN, P_B_KEY) PROMOTION = INSERT(NIL, \$, NIL, \$)

SPLIT(P_B_KEY, P_B_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE) SPLIT(\$, NIL, 0, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)

.....

SPLIT(I_KEY, I_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)
SPLIT(\$, NIL, 0, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)

PAGE 0

3 A B C NIL NIL NIL NIL							
	3	Α	В	С	I NIII	NIL	NIL

WORKING PAGE

3 A B C NIL NIL NIL NIL

WORKING PAGE

4	\$	Α	В	С	NIL	NIL	NIL	NIL	NIL
---	----	---	---	---	-----	-----	-----	-----	-----

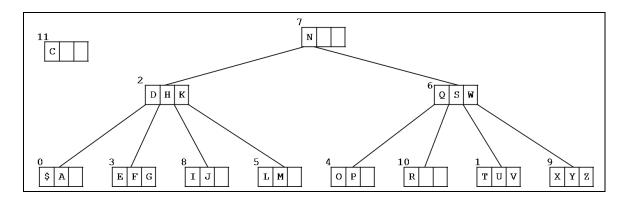
NEWPAGE 11

1 C	NIL	NIL	NIL	NIL
-----	-----	-----	-----	-----

2	\$	Α		NIL	NIL	NIL	NIL
---	----	---	--	-----	-----	-----	-----

PROMO_KEY = B PROMO_R_CHILD = 11

SPLIT(P_B_KEY, P_B_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE) SPLIT(\$, NIL, 0, B, 11, 11)



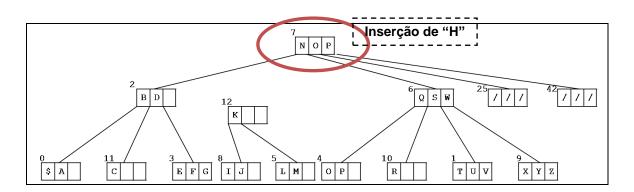
RETURN PROMOTION

INSERT(CURRENT_RRN, KEY, PROMO_R_CHILD, PROMO_KEY)
INSERT(NIL, \$, PROMO_R_CHILD, PROMO_KEY)

CONDIÇÃO VERDADEIRA! PROMO_KEY = \$ PROMO_R_CHILD = NIL RETURN PROMOTION

SIMULAÇÃO RAIZ CHEIA

(Exemplo fictício focando apenas na demonstração de raiz cheia!! (há dados duplicados e árvore não está balanceada!!))



I / (OL /							
3	N	0	Р	2	6	25	42

SPLIT(P_B_KEY, P_B_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE) SPLIT(H, 12, 7, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)

SPLIT(I_KEY, I_RRN, PAGE, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)
SPLIT(H, 12, 7, PROMO_KEY, PROMO_R_CHILD, NEWPAGE)

PAGE 7

3	N		0	Р	2		6	25	42
WORKING	G PAGE								
3	N	0	Р		2	6	2	.5 42	
WORKING	G PAGE								
4	Н	N	0	Р	2	12		6 25	42
NEWPAG	E 13								
2	0		Р		6		25	42	NIL
						·			
PAGE 7									
1	H				2		12	NII	NII

PROMO_KEY = N
PROMO_R_CHILD = 13
PROMOTION

BLOCO PRINCIPAL (WHILE)

NEWPAGE ROOT 14

1	N		7	13	NIL	NIL
ROOT = 1/I						

