Inself Function

void insent (int key) {

Node rode = nowNode;
node -> parent = NVLL
node -> data = key,
node -> left &= NVLL
hode -> sight = NVLL
node - color = 1
Node play = NVLL
Node play = thir -> 2001;
while (x! = NVLL) {

3

void Inscelling (Nederly K) & Nodella v;

Whithin S. And 1 DM 18 CS ON 6

while (n-spound + color == 1) { if (h-) pasent == K - pasent -) sight) { if (v=2colon ==1){ v=h-)parent-) parent-) left; v -> clow = 0h - parent - Declar =0, k > parent > parent > colon = 1;  $K = h \Rightarrow pand \rightarrow pasad;$ Telse { if (K == K -> parals -> left){ n-n-) pasent; sight Rolate (k); 1c -) parent - s color = 0 K > parent - ) parent - ) colour = l

left Robute (K + pasent + sparent);

fold v= K-parent > parent > 21ght; if (v-) color ==() { v=) color=0; 12 > pasent , colow=0 n -> purent -> parent -> colon =1; 1 = K + pased + pasent; else if (K= K-) pasent - ASADI K=K-> pmont; left-Robutak),

Platholis S. Smand IBMI8CSON

K -> purent -> color =0;

K -> purent -> purent + color = 1;

Right robot (h -> pasent -> purent).

}

if (N == 200t) break;

3

900t -> color = 0