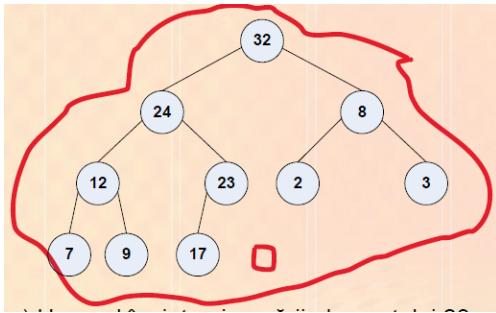


nMax = 10										capacitate = 20
32	24	8	12	23	2	3	7	9	17	Elemente disponibile la inserare
0	1	2	3	4	5	6	7	8	9	



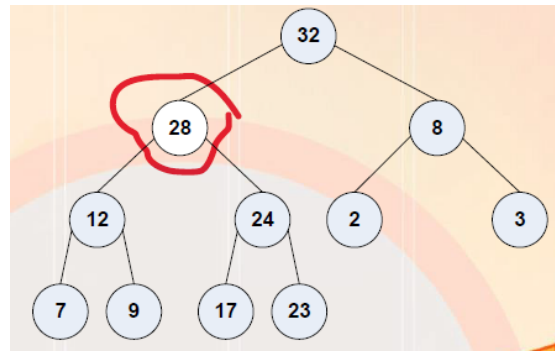
$i = 4, \text{key} = 23$   
 $\text{Parinte}(4) = \lfloor (i - 1) / 2 \rfloor = \lfloor (4 - 1) / 2 \rfloor = 1 \text{ (offset)}$   
 $\text{Stanga}(4) = 2 * i + 1 = 2 * 4 + 1 = 9 \text{ (offset)}$   
 $\text{Dreapta}(4) = 2 * i + 2 = 2 * 4 + 2 = 10 \text{ (offset) - nu exista}$

nMax = 11											capacitate = 20
32	28	8	12	24	2	3	7	9	17	23	Elemente disponibile la inserare
0	1	2	3	4	5	6	7	8	9	10	

$i = 10, \text{key} = 28$   
 $\text{Parinte}(10) = \lfloor (10 - 1) / 2 \rfloor = 4 \text{ (offset) } \rightarrow \text{key} = 23$

$i = 4, \text{key} = 28$   
 $\text{Parinte}(4) = \lfloor (4 - 1) / 2 \rfloor = 1 \text{ (offset) } \rightarrow \text{key} = 24$

$i = 1, \text{key} = 28$   
 $\text{Parinte}(1) = \lfloor (1 - 1) / 2 \rfloor = 0 \text{ (offset) } \rightarrow \text{key} = 32$



nMax = 11											capacitate = 20
23	28	8	12	24	2	3	7	9	17	32	Elemente disponibile la inserare
0	1	2	3	4	5	6	7	8	9	10	

nMax = 10										capacitate = 20
28	24	8	12	23	2	3	7	9	17	Elemente disponibile la inserare
0	1	2	3	4	5	6	7	8	9	

$i = 0; \text{key} = 23$   
 $\text{stanga}(0) = 2 * 0 + 1 = 1 \text{ (offset) } \rightarrow \text{key} = 28$   
 $\text{Dreapta}(0) = 2 * 0 + 2 = 2 \text{ (offset) } \rightarrow \text{key} = 8$

$i = 1; \text{key} = 23$   
 $\text{Stanga}(1) = 2 * 1 + 1 = 3 \text{ (offset) } \rightarrow \text{key} = 12$   
 $\text{Dreapta}(1) = 2 * 1 + 2 = 4 \text{ (offset) } \rightarrow \text{key} = 24$

$i = 4; \text{key} = 23$   
 $\text{Stanga}(4) = 2 * 4 + 1 = 9 \text{ (offset) } \rightarrow \text{key} = 17$   
 $\text{Dreapta}(4) = 2 * 4 + 2 = 10 \text{ (offset) } \rightarrow \text{nu exista dreapta pt key} = 23$

