Produce

Enqueue

Dequeue

Consumă

**Q**

chei

funcția hash

valori

Andrei Popescu

Mihai Ionescu

Ana Avram

...

598765

01

237956

432423

02

...

14

15

chei

funcția hash

valori

Andrei Popescu

Mihai Ionescu

Ana Avram

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598765

01

237956

432423(Ana)

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14

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Radu Ispas

653749(Radu)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | I11 | I12 | I13 | I14 | I15 | I16 | I17 | | I21 | I22 | I23 | I24 | I25 | I26 | I27 | | I31 | I32 | I33 | I34 | I35 | I36 | I37 | | I41 | I44 | I43 | I44 | I45 | I46 | I47 | | I51 | I52 | I53 | I54 | I55 | I56 | I57 | | I61 | I62 | I63 | I64 | I65 | I66 | I67 | | I71 | I72 | I73 | I74 | I75 | I76 | I77 |  |  |  |  | | --- | --- | --- | | K11 | K12 | K13 | | K21 | K22 | K23 | | K31 | K32 | K33 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | O11 | O12 | O13 | O14 | O15 | O16 | O17 | | O21 | O22 | O23 | O24 | O25 | O26 | O27 | | O31 | O32 | O33 | O34 | O35 | O36 | O37 | | O41 | O44 | O43 | O44 | O45 | O46 | O47 | | O51 | O52 | O53 | O54 | O55 | O56 | O57 | | O61 | O62 | O63 | O64 | O65 | O66 | O67 | | O71 | O72 | O73 | O74 | O75 | O76 | O77 | |

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 1 |
| 2 | 4 | 1 |
| 1 | 2 | 1 |

e1

e2

e8

e3

e5

e4

e7

e6

\label{fig:reprezentare}

nod frunză

părinte pentru 8 și 12

fiu al lui 8

nod rădăcină

subarbore

al nodului 3

înălțimea nodului 3 = 3

adâncimea nodului 1 = 3

*pred* ( 4 ) = 7

(12)

(1)

(2)

(3)

(4)

(8)

(7)

(6)

(5)

(9)

(10)

(11)

0

1

1

2

1

3

1

4

2

5

2

6

3

7

4

8

5

9

5

10

6

11

10

12

7

1

3

2

10

3

4

4

8

5

12

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9

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10

1

11

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12

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V