Lăzăroiu Teodora - Bianca, 141

1.1. a. $\lg n! = \Theta(n \lg n)$

b. $(n + 3^y)^z = (n + 3^3)^{2001} = \Theta(n^{2001})$

c. $\lg n^x + n^7 = \lg n^5 + n^7 = \Theta(n^7)$

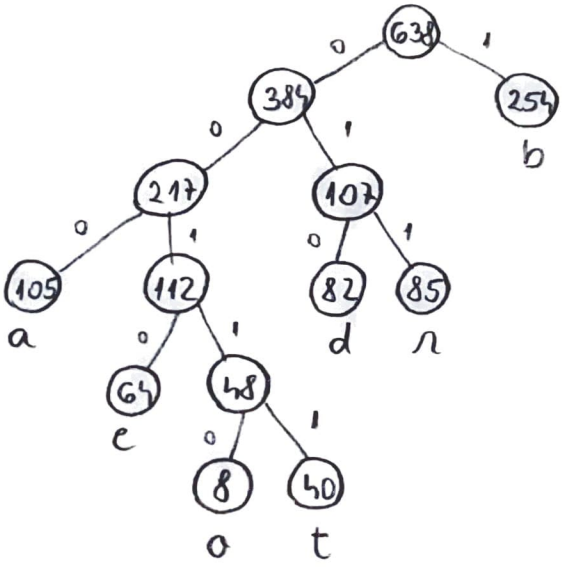
d. $\lg n^x + \lg \lg n = 5 \lg n + \lg \lg n = \Theta(\lg n)$

1.2. $\omega(n^x) \cap o(n^{\sqrt{y}}) = \omega(n^3) \cap o(n^{\sqrt{5}}) =$

$= \emptyset$ mulțimea vidă

1.3. literele sortate crescător după frecvență

o: 8, t: 40, e: 64, d: 82, n: 85, a: 105, b: 254



a: 000

e: 0010

o: 00110

t: 00111

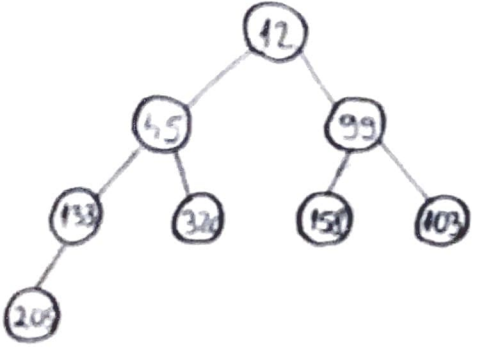
d: 010

n: 011

b: 1

14. moduri: 103, 205, 158, 133, 320, 99, 45, 12

min-heap



extragem

=>

nădăcina