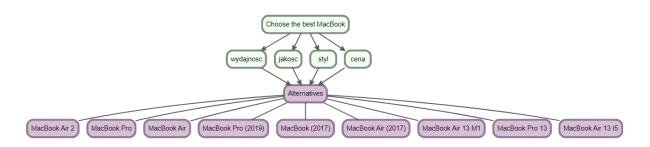
Data 11.05.2023 Temat: "Procedura analitycznej hierarchizacji" Wariant: 2

Szymon Białek Informatyka II stopień stacjonarne 1 semestr, Gr.1 **Polecenie:** Podjąć decyzję o kupieniu Macbooka Apple dla klienta, uwzględniając cztery kryteria: wydajność, jakość, styl i cena. Na podstawie względnej wagi każdego z tych kryteriów, należy wybrać najlepszy Macbook dla klienta, biorąc pod uwagę dane techniczne, takie jak: ekran, pamięć RAM, dysk oraz cenę, a także inne istotne parametry, jeśli takie istnieją.

> print(treeAhp, priority = function(x) x*parent*priority["Total", x*name])

```
levelName
                                  priority
   Choose the best MacBook
                                        NA
2
    |--wydajnosc
                               0.481821993
3
         --MacBook Air 2
                               0.375913118
4
         --MacBook Pro
                               0.236810425
5
         --MacBook Air
                               0.149181220
6
         --MacBook Pro (2019) 0.093978279
7
         --MacBook (2017)
                               0.059202606
8
         --MacBook Air (2017) 0.037295305
         --MacBook Air 13 M1 0.023494570
9
        --MacBook Pro 13
10
                               0.014800652
        °--MacBook Air 13 I5 0.009323826
11
12
     --jakosc
                               0.364516542
        |--MacBook Air 2
                               0.111111111
13
        !--MacBook Pro
14
                               0.111111111
        !--MacBook Air
15
                               0.111111111
        |--MacBook Pro (2019) 0.111111111
16
17
        |--MacBook (2017)
                               0.111111111
18
        |--MacBook Air (2017) 0.111111111
        |--MacBook Air 13 M1 0.111111111
        |--MacBook Pro 13
                               0.111111111
        °--MacBook Air 13 I5 0.111111111
22
     --styl
                               0.106143974
23
        |--MacBook Air 2
                               0.435942736
24
        |--MacBook Pro
                               0.247537945
25
        |--MacBook Air
                               0.140557530
26
        |--MacBook Pro (2019) 0.079538840
27
        |--MacBook (2017)
                               0.044634152
28
        |--MacBook Air (2017) 0.025166530
        |--MacBook Air 13 M1 0.014146723
29
        |--MacBook Pro 13
30
                               0.007957244
        °--MacBook Air 13 I5
                              0.004518300
31
32
                               0.047517490
     --cena
33
        |--MacBook Air 2
                               0.111111111
34
         --MacBook Pro
                               0.111111111
35
         --MacBook Air
                               0.111111111
         --MacBook Pro (2019) 0.111111111
36
37
         --MacBook (2017)
                               0.111111111
38
        |--MacBook Air (2017) 0.111111111
        |--MacBook Air 13 M1
39
                              0.111111111
40
        |--MacBook Pro 13
                               0.111111111
        °--MacBook Air 13 I5 0.111111111
41
```



> Analyze(treeAhp)

		Weight Ma	cBook Air 2 M	MacBook Pro Mac	Book Air		
1	Choose the best MacBook	100.0%	27.3%	18.6%	13.3%		
2	wydajnosc	48.2%	18.1%	11.4%	7.2%		
3	jakosc	36.5%	4.1%	4.1%	4.1%		
4	styl	10.6%	4.6%	2.6%	1.5%		
5	°cena	4.8%	0.5%	0.5%	0.5%		
	MacBook Pro (2019) MacBo	ook (2017)	MacBook Air	(2017) MacBook	Air 13 M1		
1	10.0%	7.9%		6.6%	5.9%		
2	4.5%	2.9%		1.8%	1.1%		
3	4.1%	4.1%		4.1%	4.1%		
4	0.8%	0.5%		0.3%			
5	0.5%	0.5%	0.5% 0.5%				
	MacBook Pro 13 MacBook	Air 13 I5	Inconsistency	У			
1	5.4%	5.1%	16.29	%			
2	0.7%	0.4%	45.59				
3	4.1%	4.1%	926.79	%			
4	0.1%	0.0%	76.79	%			
5	0.5%	0.5%	7850.99	%			
_	ΔnalvzeTable(treeΔhn)						

> AnalyzeTable(treeAhp)

	Weight	MacBook Air 2	MacBook Pro	MacBook Air	MacBook Pro (2019)	MacBook (2017)	MacBook Air (2017)	MacBook Air 13 M1	MacBook Pro 13	MacBook Air 13 I5	Inconsistency
Choose the best MacBook	100.0%	27.3%	18.6%	13.3%	10.0%	7.9%	6.6%	5.9%	5.4%	5.1%	9 16.2%
wydajnosc	48.2%	18.1%	11.4%	7.2%	4.5%	2.9%	1.8%	1.1%	0.7%	0.4%	9 45.5%
jakosc	36.5%	4.1%	4.1%	4.1%	4.1%	4.1%	4.1%	4.1%	4.1%	4.1%	926.7%
styl	10.6%	4.6%	2.6%	1.5%	0.8%	0.5%	0.3%	0.2%	0.1%	0.0%	9 76.7%
cena	4.8%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	9 7850.9%

Najlepszy okazał się MacBook Air2