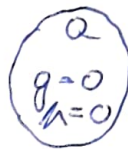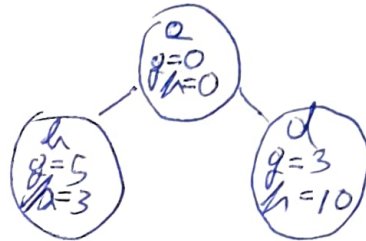Petrescu Cosmin - 243
Exercitiul 2

① open = [a(g=0, h=0)]
closed = []

② closed = [a(g=0, h=0)]
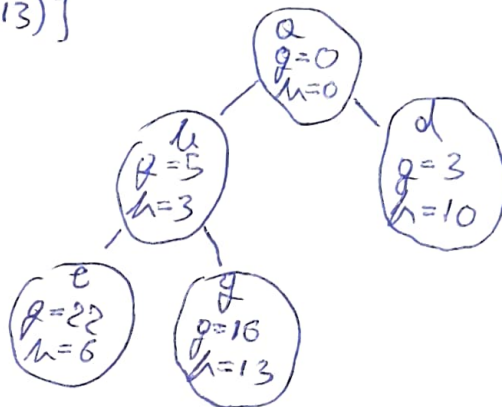open = [b(g=5, h=3), d(g=3, h=10)]

③ succesori(b) - [d(g=10, h=10), e(g=22, h=6), g(g=16, h=13)]
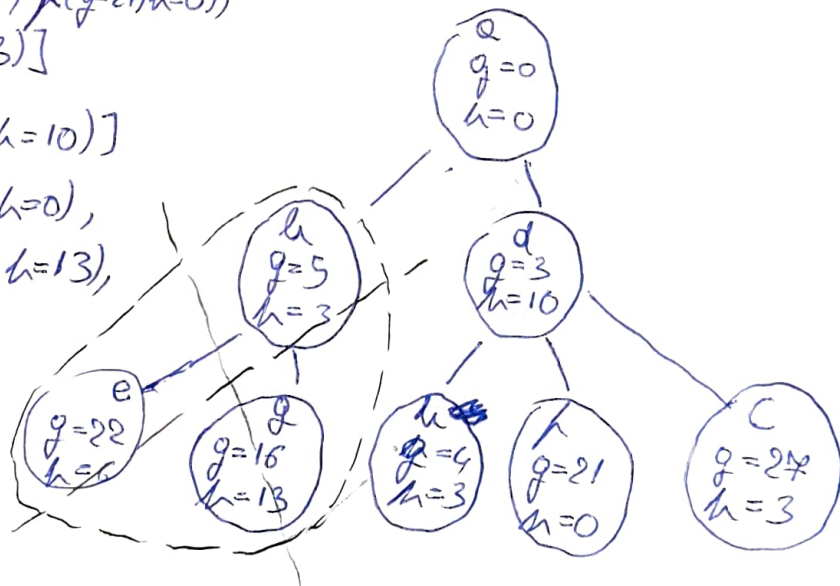open = [d(g=3, h=10), e(g=22, h=6), g(g=16, h=13)]
closed = [a(g=0, h=0), b(g=5, h=3)]

④ succesori(d) = [b(g=4, h=3), f(g=21, h=0), c(g=27, h=3)]
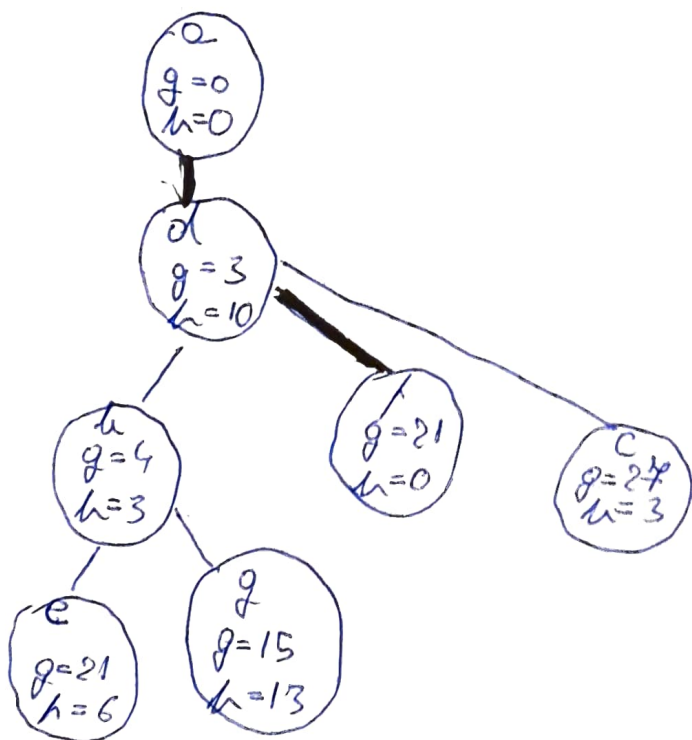closed = [a(g=0, h=0), d(g=3, h=10)]
open = [b(g=4, h=3), f(g=21, h=0), e(g=22, h=6), g(g=16, h=13), c(g=27, h=3)]

○ succesori(b) = [d(g=9, h=10), g(g=15, h=13), e(g=21, h=6)]
closed = [a(g=0, h=0), d(g=3, h=10), b(g=4, h=3)]
open = [f(g=21, h=0), e(g=21, h=6), g(g=15, h=13), c(g=27, h=3)]

```
        a
       g=0
       h=0
        |
        d
       g=3
       h=10
      /    \      \
     h    g=21    c
    g=4   h=0    g=27
    h=3          h=3
   /   \
  e     g
 g=21  g=15
 h=6   h=13
```

- Am extras nodul f, este nod terminal, rezultă că soluția este drumul a ⇒ d ⇒ f , de cost 21.