Made Narodeen Handika Pramesta / 1303032300101

2.A. Procedure dequeue (in/out Q : Queue, out P : adr)

```
Kamus
    function isEmpty (Queue) -> boolean

Algoritma
    P = Q.head
    if (not isEmpty(Q)) then
        if Q.head != Q.tail then
            Q.head = P->next
            Q.head -> prev = NIL
            P-> next = NIL
        else
            Q.head = NIL
            Q.tail = NIL
        endif
    endif
endprogram
```

2C. Procedure pindah Tast Covid (in/out QReg, QCovid : Queue)

```
Kamus
    P : adr
    i : integer
    function isEmpty (Queue) -> boolean
    Procedure enqueue (Queue, adr), Procedure dequeue (Queue, adr)
Algoritma
    if (isEmpty (Qcovid)) then
        if (not isEmpty (QReg)) then
            for i=1 to 3 do
                dequeue (QReg, P)
                if P != NIL then
                    enqueue (QCovid, P)
                endif
            endfor
        endif
    else
        output ("pemindahan belum bisa dilakukan")
    endif
endprocedure
```

2.b. Procedure enqueue (in/out Q : Queue, in P : adr)

kamus

function isEmpty (Queue)

Algoritma

```
if isEmpty (Q) then
    Q.head = P
    Q.tail = P
else
    P→prev = Q.tail
    Q.tail→next = P
    Q.tail = P
endif
endprocedure
```