

## MAIL SORTING | SELECTION | SWITCHFULLY – Léonie Bouchat

```
// Function to sort and send emails
FUNCTION sendEmail(listOfEmails, email, destination, count)
BEGIN
    send(email, "{destination}@parkshark.com")
    delete(email, listOfEmails)
    RETURN count + 1
END

// Subprocedure to print the number of emails sent
SUBPROCEDURE printTotalOfEmailsSent(total, recrutement, spam, sales, reception)
BEGIN
    WRITE(« We have sorted {total} emails :
    {recrutement} to recruitment, {spam} to spam, {sales} to sales, {reception} to reception »)
END
```

### ALGORITHM sortingEmails

```
// Declaration of all variables
VARIABLES
    listOfEmails : array[] of strings
    recrutement, spam, sales, reception, totalofList, totalRecrutement, totalSpam, totalSales,
    totalReception, totalOfDay : integer
    ended: boolean

BEGIN
    // Attribution of values
    totalRecrutement <- 0
    totalSpam <- 0
    totalSales <- 0
    totalReception <- 0
    totalOfDay ← totalRecrutement + totalSpam + totalSales + totalReception
    ended <- false

    WHILE day is not ended
        listOfEmails <- input()
        recrutement <- 0
        spam <- 0
        sales <- 0
        reception <- 0
        totalofList <- recrutement + spam + sales + reception
        FOR index FROM 0 TO (length of listOfEmails)-1
            IF listOfEmails[index] contains the word "CV" THEN
                recrutement <- sendEmail(listOfEmails, listOfEmails[index], "recruitment", recrutement)
            ELSEIF listOfEmails[index] contains the word "promo" OR email contains the word
            "advertising" THEN
                spam <- sendEmail(listOfEmails, listOfEmails[index], "spam", spam)
            ELSEIF listOfEmails[index] contains the word "proposal" THEN
```

```
        sales <- sendEmail(listOfEmails, listOfEmails[index], "sales", sales)
    ELSE
        reception <- sendEmail(listOfEmails listOfEmails[index], "reception", reception)
    ENDIF
ENDFOR
```

```
// Write message
```

```
PrintTotalOfEmailsSent(totalOfList, recrutement, spam, sales, reception)
```

```
// addition total emails of the day
```

```
totalRecrutement = totalRecrutement + recrutement
```

```
totalSpam = totalSpam + spam
```

```
totalSales = totalSales + sales
```

```
totalReception = totalReception + reception
```

```
ended = input(« Is the end of the day ? »)
```

```
ENDWHILE
```

```
// Write message
```

```
PrintTotalOfEmailsSent(totalOfDay, totalRecrutement, totalSpam, totalSales, totalReception)
```

```
END
```