

**Exercice 1 (10 pts) :**

```
.data .....(0.25pt)
m1: .asciiz "Donnez le nombre a SVP:" .....(0.25pt)
m2: .asciiz "Donnez le nombre b SVP:" .....(0.25pt)
m3: .asciiz "Donnez le code operation SVP:" .....(0.25pt)
m4: .asciiz "Le résultat de l'opeartion est:" .....(0.25pt)
.text .....(0.25pt)
li $v0,4
la $a0, m1 .....(0.5pt)
syscall

li $v0, 5
syscall .....(0.5pt)
move $t1, $v0

li $v0,4
la $a0, m2 .....(0.5pt)
syscall

li $v0, 5
syscall .....(0.5pt)
move $t2, $v0

li $v0,4
la $a0, m3 .....(0.5pt)
syscall

li $v0, 5
syscall .....(0.5pt)
move $t3, $v0

li $v0,4
la $a0, m4 .....(0.5pt)
syscall

beq $t3, 1, traitement1 .....(0.25pt)
b saut1 .....(0.25pt)

traitement1: .....(0.25pt)
add $t5, $t1, $t2 .....(0.25pt)
b fin .....(0.25pt)

saut1: .....(0.25pt)
beq $t3, 2, traitement2 .....(0.25pt)
b saut2 .....(0.25pt)
```

traitement2: ..... (0.25pt)  
 sub \$t5, \$t1, \$t2 ..... (0.25pt)  
 b fin ..... (0.25pt)

saut2: ..... (0.25pt)  
 beq \$t3, 3, traitement3 ..... (0.25pt)  
 b fin2 ..... (0.25pt)

traitement3: ..... (0.25pt)  
 mul \$t5, \$t1, \$t2 ..... (0.25pt)  
 b fin ..... (0.25pt)

fin: ..... (0.25pt)  
 li \$v0, 1  
 move \$a0, \$t5 ..... (0.25pt)  
 syscall

fin2: ..... (0.25pt)

**Exercice 2 (10 pts) :**

.data ..... (0.25pt)  
 tab: .space 400 ..... (0.25pt)  
 m1: .asciiz "Donnez le nombre d'element de votre tableau SVP:" ..... (0.25pt)  
 m2: .asciiz "Inserer l'element SVP:" ..... (0.25pt)  
 m3: .asciiz "La somme des elements impairs est:" ..... (0.25pt)  
 .text..... (0.25pt)  
 la \$t0, tab ..... (0.25pt)  
 addi \$t1, \$zero, 0 ..... (0.25pt)  
 addi \$t4, \$zero, 0 ..... (0.25pt)

li \$v0, 4  
 la \$a0, m1 ..... (0.25pt)  
 syscall  
 li \$v0, 5  
 syscall ..... (0.25pt)  
 move \$t2, \$v0

remplire\_tab: ..... (0.25pt)  
 beq \$t1, \$t2, reset ..... (0.25pt)  
 li \$v0, 4  
 la \$a0, m2 ..... (0.25pt)  
 syscall

li \$v0, 5  
 syscall ..... (0.25pt)  
 move \$t3, \$v0

sw \$t3, (\$t0) ..... (0.5pt)

addi \$t0, \$t0, 4 ..... (0.5pt)  
 addi \$t1, \$t1, 1 ..... (0.5pt)  
 b remplire\_tab ..... (0.25pt)

reset: .....(0.25pt)  
 la \$t0, tab .....(0.25pt)  
 li \$t1, 0 .....(0.25pt)  
 calcule: .....(0.25pt)  
 bge \$t1, \$t2, afficher .....(0.5pt)  
 lw \$t3, (\$t0) .....(0.5pt)

add \$t4, \$t4, \$t3 .....(0.5pt)  
 addi \$t0, \$t0, 8 .....(0.5pt)  
 addi \$t1, \$t1, 2 .....(0.5pt)  
 b calcul .....(0.25pt)

afficher: .....(0.25pt)  
 li \$v0, 4  
 la \$a0, m3 .....(0.25pt)  
 syscall  
 li \$v0, 1  
 move \$a0, \$t4 .....(0.25pt)  
 syscall