

1-Editer et simuler le programme assembleur suivant :

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                ORG $1000  
START:  LEA VAL_1(PC),A1  
        LEA VAL_2(PC),A2  
        MOVE VAL_1(PC),D1  
        MOVE VAL_2(PC),D2  
        LEA RESUL(PC),A0  
        MOVE VAL_1(PC),D0  
        CMP VAL_2(PC),D0  
        BLS ETIQ_1  
        MOVE VAL_2(PC),(A0)  
        BRA FIN  
ETIQ_1  MOVE VAL_1(PC),(A0)  
FIN     SIMHALT  
VAL_1   DC.W $1234  
VAL_2   DC.W $1233  
RESUL   DS.W 1  
        END     START  
-----
```

2-Soit le programme assembleur 68000 ci-dessous.  
Expliquer ce que fait ce programme en ajoutant un  
commentaire a chaque instruction.

```
-----  
                ORG $1000  
START:  LEA TAB(PC),A0  
        MOVE.W #0,D6  
        MOVE.W #0,D7  
        MOVEQ #6,D2  
BOUCLE  MOVE.W (A0),D1  
        BTST #0,D1  
        BEQ ETIQ  
        ADD.W (A0),D6  
        BRA ETIQ1  
ETIQ    ADD.W (A0),D7  
ETIQ1   ADD.W #2,A0  
        DBEQ D2,BOUCLE  
TAB     DC.W 1,5,8,2,3,7,4  
        END     START  
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```