

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  
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```

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

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          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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```