

```

HLPGU: LEA THLNIV, A1
        MOVE (A1)+, D6
        BEQ  HLSOMA

```

```

        MOVE.L (A1), A0
        CMP #THNBN, D6
        BCS  GEZ58

```

```

        LEA TCURSB, A3
        MOVE (A3), D5
        SUBQ #4, D5
        ASR #1, D5

```

cas sont tout  
 20 / 45  
 divisé par 2

```

        MOVE (A3), D5

```

```

        SUBQ #4, D5

```

```

        ASR #1, D5

```

```

        SUB D5, A0

```

```

        MOVE.L THLA, A2

```

```

GEZ53: CMP.L A0, A2
        BGE GEZ54
        SUBQ #1, D5
        TST.B -(A0)

```

→ fin

```

        BNE GEZ53

```

```

        ADDQ #1, A0

```

```

        MOVE.B (A0), D1

```

```

        BEQ GEZ55

```

→ ok

```

        CMP.B #"\", D1

```

```

        BEQ GEZ55

```

→ ok

```

        TST D5

```

```

        BMI GEZ55

```

→ ok

```

        SUBQ #1, A0

```

```

        BRA GEZ53

```

```

GEZ54: MOVE.L A2, A0

```

```

GEZ55: BRA HLNIVV

```

```

GEZ58:BSR HLPR1
      CMP.L A0,A2
      BNE GEZ60
      CMP.L THLA,A0
      BEQ HLNIV GEZ55
      MOVE.L -12(A1),A2
  
```

```

GEZ60:MOVEQ #"\\",D0
      MOVEQ #0,D3
      MOVE.L A2,A1
      BSR GEZ62
  
```

$A2 \downarrow$                        $A0 \downarrow$   
 compte le nb de litres de  $A2$  à  $A0$   
 de niveau  $\leq D6$

repete  
GEZ33 →

```

GEZ61:TST.B (A2)+
      BNE GEZ61
  
```

si  $D3 = 0$   
 met  $D3 = -[\text{nb de litres}]$   
 si  $D3 = \alpha$   
 s'arrête après  $\alpha$  litres

```

(SP) GEZ62: CMP.L A0,A2
      BGE GEZ63
      CMP.B (A2),D0
      BNE GEZ61
      ADDQ #1,A2
      MOVE.B (A2),D1
      SUB #1,D1
      CMP.B D1,D6
      BCS GEZ61
      SUBQ #1,D3
      BNE GEZ61
      SUBQ #1,A2
GEZ63: RTS
  
```

→ fin

```

      MOVE.L A1,A2
      NEG D3
      SUB D5,D3
      BLE GEZ64
      BSR GEZ62
GEZ64: BRA GEZ54
  
```