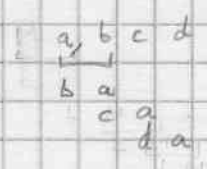


$S_i \leftarrow S_{p(i)}$ [bloc]

(a, b, c, d)

répète ysort
yPERMUTE
yREOR



```

YREOR: BSR WTSRC
        TST D2
        BNE GEH14
        LEA REOIB, A0
        SUBQ #1, D3
        BME GEH12
        LEA REOTW, A0
        BEQ GEH10
        LEA REOIL, A0
        ADD.L D0, D0
GEH10: ADD.L D0, D0
GEH12: MOVE.L A3, -(SP)
        BRA GEH18
GEH14: LEA REOVC, A0

```

```

GEH18: MOVE.L D3, -(SP)
        NEG.L D0
        MOVEM.L D0/D1, -(SP)

```

X

```

        MOVE.L A0, GENR4
        BSR DECCRVE
        MOVE.L 4(SP), D1
        BSR WTPER

```

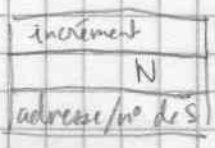
$P(k_1 \dots k_n)$ indice *32

```

        BSR XPEROK
        BSR XPEREF
        ADD #12, SP
        RTS

```

vérifie que P est une permutation
 fin
 réarrange
 rectifie pile

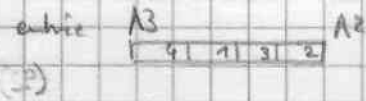


5

```

XPER EF: MOVE.L A3, -(SP)
MOVE.L A3, A1
GEH20: CMP.L A2, A1

```

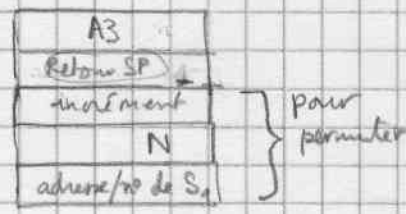


permutation de l'os 275

```

BCC GEH26
TST.L (A1)+
BMI GEH20

```



```

MOVE.L A1, A0
GEH22: MOVE.L -(A0), D0

```



```

MOVE.L D0, D4
ADD.L D4, D4
ADD.L D4, D4
NEG.L D0
MOVE.L D0, (A0)
NEG.L D0

```

```

LEA 4(A3, D4.L), A4
MOVE.L (A4)+, D1

```

```

BMI GEH20
SUBQ.L #1, D0
SUBQ.L #1, D1

```

```

MOVE.L A1, D6
JSR 0.L MOVE.L GEH24, A0
JSR (A0)

```

permuter d0 et d1 en comptant le no (permite)

conserve A4, ~~A1~~, A2, A3, D6

GEH24 = * - 4

```

MOVE.L D6, A1
MOVE.L A4, A0
BRA GEH22

```

```

GEH26: MOVE.L (SP)+, A3

```

remettre la permutation

```

GEH28: NEG.L (A3)+
CMP.L A2, A3
BLT GEH28
RTS

```

5

REOIL:BSR CMPCAL

MOVE.L (A0),D0

MOVE.L (A1),(A0)

MOVE.L D0,(A1)

RTS

REOIW:BSR CMPCAL

MOVE (A0),D0

MOVE (A1),(A0)

MOVE D0,(A1)

RTS

REOIB:BSR CMPCAL

MOVE.B (A0),D0

MOVE.B (A1),(A0)

MOVE.B D0,(A1)

RTS

REOVC:BSR CMPCAL

d0 et d2

MOVEM.L A0/A2/A3,-(SP)

BSR MGT9

échange d0 et d2

MOVEM.L (SP)+,A0/A2/A3

RTS