

```

1 ;*****
2 ;
3 ; Eprommer 2716-27256
4 ;
5 ;*****
6 ;
7     ORG     01900
8 ;
9     db     "1 2716 * 2 2732 "
10    db     "* 3 2764 * 4 271"
11    db     "28 * 5 -256 * 6 -512"
12 ;
13    db     0,9,18,27,36,45
14 ;
15 L1931 mov     A,08F
16     OUT    [P0A],A
17 L1939 mov     si,01900
18     call   PRINT
19     db     00C,00E
20     db     "0101* Epromm"
21     db     "er 2716-27512 V."
22     db     "1.4 * [c]87/89 E."
23     db     "Ludwig/J.Beisler *"
24     db     00E
25     db     "0308MENŠ: [Korr."
26     db     ""
27     db     "DEL"
28     db     ""
29     db     ", Zurück Anf."
30     db     ""
31     db     "Z"
32     db     ""
33     db     ", Abbruch "
34     db     ""
35     db     "Q"
36     db     ""
37     db     "]"
38     db     00E
39     db     "061"
40     db     "2+080"
41     CALL   L1CC5
42     call   PRINT
43     db     "*"
44     db     "+080"
45     CALL   L1CD7
46     call   PRINT
47     db     00E
48     db     "080"
49     db     "8+080"
50     CALL   L1CE1
51     mov    [si-001],A
52     SUB    031
53     CALL   Z,L1CC5
54     jmp    Z,L19DA
55     DEC    A
56     jmp    NZ,L1939
57     CALL   L1CD7
58 L19DA  call   PRINT
59     db     00E
60     db     "1004"
61     db     002+080
62     mov    HL,01900
63     mov    B,034
64 L19E6  mov    A,[HL]
65     INC    HL
66     call   10H
67     DJNZ  L19E6
68     call   PRINT
69     db     00E
70     db     "1208"
71     db     002+080
72     CALL   L1CE1
73     jmp    Z,L1939
74     SUB    030
75     mov    [si-002],A
76     mov    HL,01934
77     mov    B,6
78 L1A02  DEC    A
79     jmp    Z,L1A0A
80     INC    HL
81     DJNZ  L1A02
82     jmp    L19DA
83 ;
84 L1A0A  mov    L,[HL]
85     mov    B,007
86 L1A0D  mov    A,[HL]
87     INC    HL
88     call   10H

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89     DJNZ     L1A0D
90     call    PRINT
91     db     00E
92     db     "1508EPROM-Adress"
93     db     "en      [Ohne   Eingabe"
94     db     "      gesamtes   Eprom]"
95     db     "      +080"
96     CALL    L1CE1
97     jmp     Z,L19DA
98 L1A4A call    PRINT
99     db     00E
100    db     "1712Anfang      :"
101    db     002+080
102    CALL    INLINE
103    mov     HL,[D181A]
104    EX     DE,HL
105    CALL    INHEX
106    mov     A,[si-002]
107    EX     DE,HL
108    mov     HL,00400
109 L1A6A ADD     HL,HL
110    DEC     A
111    jmp     NZ,L1A6A
112    EX     DE,HL
113    mov     A,[si-2]
114    cmp     6
115    jmp     Z,X1
116    ;
117    PUSH    HL
118    XOR     A
119    SBC     HL,DE
120    POP     HL
121    jmp     NC,L1A4A
122    ;
123 X1   call    PRINT
124    db     00E
125    db     "1908A"
126    db     ".+080"
127    CALL    L0589
128    mov     [D18F6],HL
129    CALL    L1CE1
130    jmp     Z,L1A4A
131 L1A89 call    PRINT
132    db     00E
133    db     "2112Endadr.:"
134    db     002+080
135    CALL    INLINE
136    mov     HL,[D181A]
137    mov     A,[HL]
138    cmp     020
139    EX     DE,HL
140    jmp     Z,L1ABF
141    PUSH    HL
142    CALL    INHEX
143    POP     DE
144    ;
145    mov     A,[si-2]
146    cmp     6
147    jmp     Z,X2
148    ;
149    PUSH    HL
150    XOR     A
151    SBC     HL,DE
152    POP     HL
153    jmp     NC,L1A89
154 X2   PUSH    DE
155    PUSH    HL
156    mov     DE,[D18F6]
157    XOR     A
158    SBC     HL,DE
159    POP     HL
160    POP     DE
161    jmp     C,L1A89
162    jmp     L1AC2
163    ;
164 L1ABF mov     D,H
165    mov     E,L
166    DEC     HL
167 L1AC2 mov     [D18F8],HL
168    call    PRINT
169    db     00E
170    db     "2308E"
171    db     ".+080"
172    CALL    L0589
173    CALL    L1CE1
174    jmp     Z,L1A89
175 L1AD5 call    PRINT
176    db     00E

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177      db  "2512Speicheradre"
178      db  "sse      :"
179      db  002+080
180      CALL  INLINE
181      mov   HL,[D181A]
182      EX   DE,HL
183      CALL  INHEX
184      mov   [ARGU1],HL
185      call  PRINT
186      db  00E
187      db  "2708R"
188      db  ".+080
189      CALL  L0589
190      mov   A,[si-001]
191      cmp   031
192      jmp   NZ,L1B49
193 L1B0C  call  PRINT
194      db  00E
195      db  "2708Programm.NOR"
196      db  "MAL/SCHNELL      [N/S"
197      db  "]:      "
198      db  002+080
199      CALL  L1CE1
200      jmp   Z,L1AD5
201      mov   HL,00DD3
202      cmp   04E
203      jmp   Z,L1B45
204      cmp   053
205      jmp   NZ,L1B0C
206      mov   HL,00047
207 L1B45  mov   [D18F4],HL
208      call  10H
209 L1B49  call  PRINT
210      db  00E
211      db  "2908START      :"
212      db  002,"      +080
213      CALL  L1CE1
214      jmp   Z,L1AD5
215      mov   A,[si-002]
216      ;
217      cmp   6
218      jmp   NZ,X3
219      IN   A,[P05]
220      jmp   X4
221      ;
222 X3     cmp   005
223      CCF
224      jmp   C,L1B68
225      cmp   003
226 L1B68  IN   A,[P05]
227      SET  6,A
228      jmp   NC,L1B70
229 X4     RES  6,A
230 L1B70  SET  4,A
231      RES  5,A
232      OUT  [P05],A
233      mov  HL,[ARGU1]
234      mov  DE,[D18F6]
235 L1B7D  mov  C,P09
236      OUT  [C],D
237      IN  A,[P05]
238      ;
239      mov  B,[si-2]
240      DEC  B
241      DEC  B
242      DEC  B
243      DEC  B
244      DEC  B
245      DEC  B
246      jmp  NZ,X5
247      SET  6,A
248      ;
249 X5     RES  4,A
250      OUT  [P05],A
251      SET  4,A
252      OUT  [P05],A
253      ;
254      DEC  B
255      INC  B
256      jmp  NZ,X6
257      RES  6,A
258      OUT  [P05],A
259      ;
260 X6     OUT  [C],E
261      IN  A,[P08]
262      BIT  0,[si-001]
263      jmp  NZ,L1B98
264      mov  [HL],A

```

```

265      jmp      L1B99
266      ;
267      L1B98  AND      [HL]
268      L1B99  cmp      [HL]
269      jmp      NZ,L1CA0
270      CALL   L1CBA
271      jmp      NC,L1B7D
272      mov     HL,[D18F8]
273      mov     DE,[D18F6]
274      XOR     A
275      SBC     HL,DE
276      mov     [D18FC],HL
277      PUSH   DE
278      mov     DE,[ARGU1]
279      ADD     HL,DE
280      mov     [ARGU2],HL
281      EX     DE,HL
282      POP    DE
283      BIT     0,[si-001]
284      jmp     Z,L1C31
285      L1BC0  mov     B,00A
286      L1BC2  PUSH   BC
287      mov     B,[si-002]
288      IN     A,[P05]
289      RES     4,A
290      SET     5,A
291      OUT    [C],D
292      DEC    B
293      jmp     Z,L1BD3
294      SET     6,A
295      L1BD3  OUT    [P05],A
296      OUT    [C],E
297      mov     A,[HL]
298      PUSH   HL
299      OUT    [P08],A
300      INC    A
301      jmp     Z,L1BF2
302      IN     A,[P05]
303      XOR     040
304      OUT    [P05],A
305      mov     HL,[D18F4]
306      L1BE7  DEC    HL
307      mov     A,H
308      OR     L
309      jmp     NZ,L1BE7
310      IN     A,[P05]
311      XOR     040
312      OUT    [P05],A
313      L1BF2  call   PRINT
314      db     00E
315      db     "291"
316      db     "6+080"
317      mov     HL,[D18FC]
318      CALL   OUTHL
319      SET     4,A
320      ;
321      mov     B,[si-2]
322      DEC    B
323      DEC    B
324      DEC    B
325      DEC    B
326      DEC    B
327      DEC    B
328      jmp     Z,X7
329      ;
330      mov     B,[si-002]
331      DEC    B
332      DEC    B
333      jmp     NZ,L1C09
334      X7     AND     09F
335      L1C09  OUT    [P05],A
336      DEC    HL
337      mov     [D18FC],HL
338      POP    HL
339      IN     A,[P08]
340      cmp    [HL]
341      POP    BC
342      jmp     Z,L1C23
343      L1C16  PUSH   HL
344      mov     HL,[D18FC]
345      INC    HL
346      mov     [D18FC],HL
347      POP    HL
348      DJNZ  L1BC2
349      jmp     L1C58
350      ;
351      L1C23  mov     A,B
352      INC    B

```

```

353     INC     B
354     cmp     00A
355     jmp     NZ,L1C16
356     CALL    L1CBA
357     jmp     NC,L1BC0
358     call    PRINT
359     db     007+080
360 L1C31    call    PRINT
361     db     00E
362     db     "290"
363     db     "7+080"
364     CALL    L0404
365     call    PRINT
366     db     "[Wdhlg."
367     db     ""
368     db     "CR"
369     db     ""
370     db     "]"
371     db     "+080"
372 L1C4C    IN     A,[P05]
373     AND     09F
374     OUT     [P05],A
375     CALL    L1CE1
376     jmp     L1B49
377 ;
378 L1C58    call    PRINT
379     db     007+080
380     CALL    L0268
381 L1C5D    call    PRINT
382     db     "EPROM "
383     db     "!!+080"
384 L1C65    EX     DE,HL
385     call    PRINT
386     db     "BREAK"
387     db     00E
388     db     "3108Adr."
389     db     "+080"
390     CALL    OUTHL
391     call    PRINT
392     db     "Eprombyte"
393     db     "+080"
394     CALL    OUTHX
395     call    PRINT
396     db     ",Rambyte"
397     db     "+080"
398     mov     A,[DE]
399     CALL    OUTHX
400     call    PRINT
401     db     ""
402     db     "+080"
403     jmp     L1C4C
404 ;
405 L1CA0    BIT     0,[si-001]
406     jmp     NZ,L1CB1
407     CALL    L0268
408     call    PRINT
409     db     "RA"
410     db     "M+080"
411     mov     D,H
412     mov     E,L
413     jmp     L1C65
414 ;
415 L1CB1    call    PRINT
416     db     "Clear"
417     db     "+080"
418     jmp     L1C5D
419 ;
420 L1CBA    INC     HL
421     INC     DE
422     mov     A,E
423     OR     D
424     SCF
425     RET     Z
426     PUSH    HL
427     mov     HL,[D18F8]
428     XOR     A
429     SBC     HL,DE
430     POP     HL
431     RET
432 ;
433 L1CC5    call    PRINT
434     db     "1 Programmieren"
435     db     "+080"
436     RET
437 ;
438 L1CD7    call    PRINT
439     db     "2 Lesen"
440     db     "+080"

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```

441         RET
442 ;
443 L1CE1    call    08H
444         cmp     05F
445         RET     Z
446         cmp     07F
447         RET     Z
448         cmp     05A
449         jmp     Z,L1CF9
450         cmp     051
451         RET     NZ
452         POP     HL
453         RET
454 ;
455 L1CF9    POP     HL
456         jmp     L1939
457 ;*****
458 D1CFD    db     000
459         db     009
460         db     02A
461 D1D00    db     00D
462 ;
463         mov     A,0CF
464         OUT    [P07],A
465         OUT    [P0B],A
466         mov     A,084
467         OUT    [P07],A
468         mov     A,7
469         OUT    [P07],A
470         mov     A,0DA
471         OUT    [P05],A
472         XOR    A
473         OUT    [P0B],A
474 ;
475 L1D01    mov     HL,01900           ;Test ob Programm ok
476         mov     DE,ENDE
477         XOR    A
478 L1D08    XOR    [HL]
479         INC    HL
480         SBC   HL,DE
481         ADD   HL,DE
482         jmp   NZ,L1D08
483         XOR   [HL]
484         jmp   L1931
485 ;*****
486 L0268    call   PRINT
487         db    " Error"
488         db    0A0
489         RET
490 ;*****
491 L0589    CALL   OUTHL
492         call  PRINT
493         db    32,32,32,0A0
494         RET
495 ;*****
496 ;
497 ENDE    db    000           ;Pršfbyte
498 ;
499 L0404    EQU    00404
500 OUTHX   EQU    007EE
501 OUTHL   EQU    007F1
502 INLINE  EQU    007F4
503 INHEX   EQU    007F7
504 D181A   EQU    0181A
505 ARGU1   EQU    0185B
506 ARGU2   EQU    0185D
507 D18F4   EQU    018F4
508 D18F6   EQU    018F6
509 D18F8   EQU    018F8
510 D18FC   EQU    018FC
511 ;
512 P05     EQU    005
513 P08     EQU    008
514 P09     EQU    009
515 ;
516 P07     EQU    007
517 P0A     EQU    00A
518 P0B     EQU    00B
519 ;
520 PRINT   EQU    18H

```