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1 Turbo Assembler Version 2.0 01/26/09 04:39:06 Page 1
2 KST_KURS.ASM
3
4 1 ;
5 2 ; Kestutis Stankevicius, II-06/3
6 3 ;
7 4 ; Asemblerinis programavimas, kursinis darbas.
8 5 ;
9 6 ; 2009
10 7 ;
11 8 ; Kasos aparatas, filmu bilietams pirkti.
12 9 ;
13 10
14 11 ; Steko segmentas
15 12 0000 stekas SEGMENT STACK
16 13 0000 0100*(00) DB 256 DUP(0) ; isskiriame atmintyje 256 baitus
17 14 0100 stekas ENDS
18 15
19 16 ; konstantos
20 17 = 000D CR EQU 13
21 18 = 000A LF EQU 10
22 19
23 20 ; Duomenų segmentas
24 21 0000 duomenys SEGMENT
25 22 ; aprasome kintamuosius
26 23 0000 02 ?? 02*(??) iverstis1 DB 2, ?, 2 DUP(?)
27 24 0004 03 ?? 03*(??) iverstis2 DB 3, ?, 3 DUP(?)
28 25
29 26 0009 0D 0A 20 41 53 4D 20+ titulinis DB CR, LF, ' ASM Kursinis darbas -
Filmu bilietu pirkimas ', CR, LF
30 27 4B 75 72 73 69 6E 69+
31 28 73 20 64 61 72 62 61+
32 29 73 20 2D 20 46 69 6C+
33 30 6D 75 20 62 69 6C 69+
34 31 65 74 75 20 70 69 72+
35 32 6B 69 6D 61 73 20 0D+
36 33 0A
37 34 003B 0D 0A 20 44 61 72 62+ DB CR, LF, ' Darba atliko: Kestutis
Stankevicius, II-06/3', CR, LF
38 35 61 20 61 74 6C 69 6B+
39 36 6F 3A 20 4B 65 73 74+
40 37 75 74 69 73 20 53 74+
41 38 61 6E 6B 65 76 69 63+
42 39 69 75 73 2C 20 49 49+
43 40 2D 30 36 2F 33 0D 0A
44 41 006C 0D 0A 20 31 29 20 4A+ DB CR, LF, ' 1) Jis sako "TAIP!" (komedija) | 10
LT'
45 42 69 73 20 73 61 6B 6F+
46 43 20 22 54 41 49 50 21+
47 44 22 20 28 4B 6F 6D 65+
48 45 64 69 6A 61 29 20 7C+
49 46 20 31 30 20 4C 54
50 47 0095 0D 0A 20 32 29 20 4D+ DB CR, LF, ' 2) Madagaskaras 2 (komedija) | 12
LT'
51 48 61 64 61 67 61 73 6B+
52 49 61 72 61 73 20 32 20+
53 50 28 4B 6F 6D 65 64 69+
54 51 6A 61 29 20 7C 20 31+
55 52 32 20 4C 54
56 53 00BC 0D 0A 20 33 29 20 44+ DB CR, LF, ' 3) Despero nuotyčiai (komedija) |
8 LT'
57 54 65 73 70 65 72 6F 20+
58 55 6E 75 6F 74 79 6B 69+
59 56 61 69 20 28 4B 6F 6D+
60 57 65 64 69 6A 61 29 20+
61 58 7C 20 38 20 4C 54
62 59 00E5 0D 0A 20 34 29 20 41+ DB CR, LF, ' 4) Australija (Drama) | 14 LT'
63 60 75 73 74 72 61 6C 69+
64 61 6A 61 20 28 44 72 61+
65 62 6D 61 29 20 7C 20 31+
66 63 34 20 4C 54
67 64 0105 0D 0A 20 35 29 20 56+ DB CR, LF, ' 5) Vakaro pasakojimai
(Fantastika) 20 LT'
68 65 61 6B 61 72 6F 20 70+
69 66 61 73 61 6B 6F 6A 69+
70 67 6D 61 69 20 28 46 61+
71 68 6E 74 61 73 74 69 6B+
72 69 61 29 20 32 30 20 4C+

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73      70      54
74      71 0130 0D 0A 20 36 29 20 52+ DB CR, LF, ' 6) Rokenrola (Veiksmas) | 16 LT'
75      72      6F 6B 65 6E 72 6F 6C+
76      73      61 20 28 56 65 69 6B+
77      74      73 6D 61 73 29 20 7C+
78      75      20 31 36 20 4C 54
79      76 0152 0D 0A 20 37 29 20 4C+ DB CR, LF, ' 7) Laumes vaikas (Drama) | 6 LT'
80      77      61 75 6D 65 73 20 76+
81      78      61 69 6B 61 73 20 28+
82      79      44 72 61 6D 61 29 20+
83      80      7C 20 36 20 4C 54
84      81 0174 0D 0A 20 38 29 20 4E+ DB CR, LF, ' 8) Nuotaku karai (Romantika) | 11
LT', CR, LF
85      82      75 6F 74 61 6B 75 20+
86      83      6B 61 72 61 69 20 28+
87      84      52 6F 6D 61 6E 74 69+
88      85      6B 61 29 20 7C 20 31+
89      86      31 20 4C 54 0D 0A
90      87 019D 0D 0A 20 28 50 61 73+ DB CR, LF, ' (Pasirinkite filma pagal nurodyta
numeri !!!)', CR, LF, '$'
91      88      69 72 69 6E 6B 69 74+
92      89      65 20 66 69 6C 6D 61+
93      90      20 70 61 67 61 6C 20+
94      91      6E 75 72 6F 64 79 74+
95      92      61 20 6E 75 6D 65 72+
96      93      69 20 21 21 21 29 0D+
97      94      0A 24
98      95
99      96 01D0 0D 0A 20 50 61 73 69+ pra1 DB CR, LF, ' Pasirinkite filma is saraso
[1,2,3,4,5,6,7,8] : ', '$'
100     97      72 69 6E 6B 69 74 65+
101     98      20 66 69 6C 6D 61 20+
102     99      69 73 20 73 61 72 61+
103    100      73 6F 20 5B 31 2C 32+
104    101      2C 33 2C 34 2C 35 2C+
105    102      36 2C 37 2C 38 5D 20+
106    103      3A 20 24
107    104 0204 0D 0A 20 50 61 72 61+ pra2 DB CR, LF, ' Parasykite kiek biletu norite
pirkti? [MAX 9] : ', '$'
108    105      73 79 6B 69 74 65 20+
109    106      6B 69 65 6B 20 62 69+
110    107      6C 65 74 75 20 6E 6F+
111    108      72 69 74 65 20 70 69+
112    109      72 6B 74 69 3F 20 5B+
113    110      4D 41 58 20 39 5D 20+
114    111      3A 20 24
115    112 0238 0D 0A 0D 0A 20 EA 20+ pra3 DB CR, LF, CR, LF, ' ê Uz bilietus/bilieta
prasom sumokekite: ', '$'
116    113      55 7A 20 62 69 6C 69+
117    114      65 74 75 73 2F 62 69+
118    115      6C 69 65 74 61 20 70+
119    116      72 61 73 6F 6D 20 73+
120    117      75 6D 6F 6B 65 6B 69+
121    118      74 65 3A 20 24
122    119 0267 20 4C 54 0D 0A 24 pra4 DB ' LT', CR, LF, '$'
123    120
124    121 026D 0D 0A 0D 0A 20 20 28+ kld1 DB CR, LF, CR, LF, ' ( KLAIDA: Pasirinkite
filma nurodydami numeri is saraso!
+
[1;8] )', '$'
125    122      20 4B 4C 41 49 44 41+
126    123      3A 20 50 61 73 69 72+
127    124      69 6E 6B 69 74 65 20+
128    125      66 69 6C 6D 61 20 6E+
129    126      75 72 6F 64 79 64 61+
130    127      6D 69 20 6E 75 6D 65+
131    128      72 69 20 69 73 20 73+
132    129      61 72 61 73 6F 21 20+
133    130      5B 31 3B 38 5D 20 29+
134    131      24
135    132 02B4 0D 0A 0D 0A 20 20 28+ kld2 DB CR, LF, CR, LF, ' ( KLAIDA: Bilietu
kiekis turi buti sudarytas tik is
+
skaitmenu! )', '$'
136    133      20 4B 4C 41 49 44 41+
137    134      3A 20 42 69 6C 69 65+
138    135      74 75 20 6B 69 65 6B+
139    136      69 73 20 74 75 72 69+
140    137      20 62 75 74 69 20 73+
141    138      75 64 61 72 79 74 61+
142    139      73 20 74 69 6B 20 69+
143    140      73 20 73 6B 61 69 74+

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144      141      6D 65 6E 75 21 20 29+
145      142      24
146      143      02FB 0D 0A 0D 0A 20 20 28+ kld3 DB CR, LF, CR, LF, ' ( KLAIDA: Negalima
vienu kartu uzsakyti daugiau nei 9 +
147      144      20 4B 4C 41 49 44 41+ bilietus! )', '$'
148      145      3A 20 4E 65 67 61 6C+
149      146      69 6D 61 20 76 69 65+
150      147      6E 75 20 6B 61 72 74+
151      148      75 20 75 7A 73 61 6B+
152      149      79 74 69 20 64 61 75+
153      150      67 69 61 75 20 6E 65+
154      151      69 20 39 20 62 69 6C+
155      152      69 65 74 75 73 21 20+
156      153      29 24
157      154
158      155      0343 0D 0A 20 41 63 69 75+ pra5 DB CR, LF, ' Aciu, kad perkate musu
bilietu kasoje, jusu sumoketas uzsakymas: ', +
159      156      2C 20 6B 61 64 20 70+ CR, LF
160      157      65 72 6B 61 74 65 20+
161      158      6D 75 73 75 20 62 69+
162      159      6C 69 65 74 75 20 6B+
163      160      61 73 6F 6A 65 2C 20+
164      161      6A 75 73 75 20 73 75+
165      162      6D 6F 6B 65 74 61 73+
166      163      20 75 7A 73 61 6B 79+
167      164      6D 61 73 3A 20 0D 0A
168      165      0389 0D 0A 20 20 46 69 6C+ DB CR, LF, ' Filmo pavadinimas : ', '$'
169      166      6D 6F 20 70 61 76 61+
170      167      64 69 6E 69 6D 61 73+
171      168      20 3A 20 24
172      169      03A2 0D 0A 20 20 53 65 61+ pra6 DB CR, LF, ' Seanso kaina : ', '$'
173      170      6E 73 6F 20 6B 61 69+
174      171      6E 61 20 20 20 20 20+
175      172      20 3A 20 24
176      173      03BB 20 20 42 69 6C 69 65+ pra7 DB ' Bilietu kiekis : ', '$'
177      174      74 75 20 6B 69 65 6B+
178      175      69 73 20 20 20 20 3A+
179      176      20 24
180      177      03D2 0D 0A 20 20 47 61 6C+ pra8 DB CR, LF, ' Galutine kaina : ', '$'
181      178      75 74 69 6E 65 20 6B+
182      179      61 69 6E 61 20 20 20+
183      180      20 3A 20 24
184      181
185      182      03EB 4A 69 73 20 73 61 6B+ film1 DB 'Jis sako "TAIP!"', '$'
186      183      6F 20 22 54 41 49 50+
187      184      21 22 24
188      185      03FC 4D 61 64 61 67 61 73+ film2 DB 'Madagaskaras 2', '$'
189      186      6B 61 72 61 73 20 32+
190      187      24
191      188      040B 44 65 73 70 65 72 6F+ film3 DB 'Despero nuotykiiai', '$'
192      189      20 6E 75 6F 74 79 6B+
193      190      69 61 69 24
194      191      041D 41 75 73 74 72 61 6C+ film4 DB 'Australija', '$'
195      192      69 6A 61 24
196      193      0428 56 61 6B 61 72 6F 20+ film5 DB 'Vakaro pasakojimai', '$'
197      194      70 61 73 61 6B 6F 6A+
198      195      69 6D 61 69 24
199      196      043B 52 6F 6B 65 6E 72 6F+ film6 DB 'Rokenrola', '$'
200      197      6C 61 24
201      198      0445 4C 61 75 6D 65 73 20+ film7 DB 'Laumes vaikas', '$'
202      199      76 61 69 6B 61 73 24
203      200      0453 4E 75 6F 74 61 6B 75+ film8 DB 'Nuotaku karai', '$'
204      201      20 6B 61 72 61 69 24
205      202
206      203      0461 0A 0C 08 0E kainos DB 10,12,8,14
207      204      0465 14 10 06 0B DB 20,16,6,11
208      205
209      206      0469 02*(??) 24 kaina DB 2 DUP(?), '$'
210      207
211      208      046C 00 24 bilietu_sk DB 0, '$'
212      209      046E 00 24 filmo_nr DB 0, '$'
213      210
214      211      0470 03*(20) 24 suma DB 3 DUP(' '), '$'
215      212
216      213      0474 0A desimt DB 10
217      214
218      215      0475 duomenys ENDS
219      216

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220      217      ; Programos segmentas
221      218      programa SEGMENT
222      219      ASSUME CS:programa, DS:duomenys, SS:stekas
223      220
224      221      0000      START:
225      222
226      223      ; pradzia
227      224      0000      B8 0000s      MOV AX, duomenys
228      225      0003      8E D8      MOV DS, AX
229      226
230      227      ; titulinis pranesimas
231      228      0005      E8 0254      CALL Pagrindinis
232      229
233      230      0008      PRAN1:
234      231      ; pranesimas1
235      232      0008      B4 09      MOV AH, 09h
236      233      000A      BA 01D0r      LEA DX, pra1
237      234      000D      CD 21      INT 21h
238      235
239      236      ; ivedimas
240      237      000F      BA 0000r      LEA DX, ivestis1
241      238      0012      B4 0A      MOV AH, 0Ah
242      239      0014      CD 21      INT 21h
243      240
244      241      0016      B9 0000      MOV CX, 0
245      242
246      243      ; reikalingas ciklu skaicius
247      244      0019      8A 0E 0002r      MOV CL, ivestis1+2
248      245
249      246      ; galima  ivesti tik skaiciu intervale [1;8]
250      247      001D      80 F9 31      CMP CL, 31h
251      248      0020      7C 5E      JL Klaida1_2
252      249      0022      80 F9 38      CMP CL, 38h
253      250      0025      7F 59      JG Klaida1_2
254      251
255      252      0027      80 E9 30      SUB CL, 30h
256      253
257      254      002A      BE 0002r      LEA SI, ivestis1+2
258      255
259      256      002D      BB 0000      MOV BX,0
260      257      0030      BB 0461r      LEA BX, kainos
261      258      ; ieskom  filmo kainos
262      259      0033      CIKLAS1:
263      260      0033      43      INC BX
264      261      0034      E2 FD      LOOP CIKLAS1
265      262
266      263      0036      4B      DEC BX
267      264      0037      BA 0000      MOV DX,0
268      265      003A      8A 17      MOV DL, [BX]
269      266      ; irasom  filmo kaina
270      267      003C      88 16 0469r      MOV kaina, DL
271      268      ; irasom  filmo numeri
272      269      0040      8A 14      MOV DL, [SI]
273      270      0042      88 16 046Er      MOV filmo_nr, DL
274      271
275      272
276      273      0046      PRAN2:
277      274      ; pranesimas2
278      275      0046      B4 09      MOV AH, 09h
279      276      0048      BA 0204r      LEA DX, pra2
280      277      004B      CD 21      INT 21h
281      278
282      279      ; ivedimas
283      280      004D      BA 0004r      LEA DX, ivestis2
284      281      0050      B4 0A      MOV AH, 0Ah
285      282      0052      CD 21      INT 21h
286      283      ; ciklu skaicius
287      284      0054      8A 0E 0005r      MOV CL, ivestis2+1
288      285      0058      B5 00      MOV CH, 0
289      286      005A      B4 00      MOV AH, 0
290      287      005C      BE 0006r      LEA SI, ivestis2+2
291      288      005F      8A 3C      MOV BH, [SI]
292      289      ; tikrinam ar skaicius  ivestas
293      290      0061      E8 01EA      CALL Ar_Skaicius
294      291
295      292      0064      8A C7      MOV AL, BH
296      293      0066      FE C9      DEC CL
297      294      0068      80 F9 00      CMP CL, 0

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298 295 006B 74 19          JE TOLIAU
299 296
300 297 006D 46          CIKLAS2:  INC SI
301 298 006E 8A 3C          MOV BH, [SI]
302 299          ; tikrinam ar skaicius ivestas
303 300 0070 E8 01DB      CALL Ar_Skaicius
304 301
305 302 0073 F6 26 0474r    MUL desimt
306 303 0077 02 C7          ADD AL, BH
307 304 0079 70 08          JO klaida2_2
308 305 007B E2 F0          LOOP CIKLAS2
309 306
310 307 007D EB 07 90      JMP TOLIAU
311 308
312 309 0080 EB 7D 90      KLAIDA1_2:  JMP KLAIDA1_1
313 310 0083 EB 77 90      KLAIDA2_2:  JMP KLAIDA2_1
314 311
315 312 0086          TOLIAU:
316 313          ; tikrinam ar neivesta per 9 bilietu vienetus
317 314 0086 3C 09          CMP AL, 09h
318 315 0088 7F 6F          JG KLAIDA3_1
319 316          ; skaiciavimai: kaina*bilietu_sk=galutine_kaina
320 317 008A A2 046Cr      MOV bilietu_sk, AL
321 318 008D F6 26 0469r    MUL kaina
322 319 0091 A2 0470r      MOV suma, AL
323 320
324 321          ; konvertuojam
325 322 0094          DESIMTAINE:
326 323 0094 B4 00          MOV AH, 0
327 324          ; sveika dalis
328 325 0096 F6 36 0474r    DIV desimt
329 326 009A 88 26 0472r    MOV suma+2,AH
330 327 009E 80 06 0472r 30  ADD suma+2,30h
331 328 00A3 B4 00          MOV AH, 0
332 329
333 330 00A5 F6 36 0474r    DIV desimt
334 331 00A9 88 26 0471r    MOV suma+1,AH
335 332 00AD 80 06 0471r 30  ADD suma+1,30h
336 333 00B2 B4 00          MOV AH, 0
337 334
338 335 00B4 F6 36 0474r    DIV desimt
339 336 00B8 88 26 0470r    MOV suma,AH
340 337 00BC 80 06 0470r 30  ADD suma,30h
341 338
342 339 00C1 A0 0469r      MOV AL, kaina
343 340 00C4 B4 00          MOV AH, 0
344 341
345 342 00C6 F6 36 0474r    DIV desimt
346 343 00CA 88 26 046Ar    MOV kaina+1,AH
347 344 00CE 80 06 046Ar 30  ADD kaina+1,30h
348 345 00D3 B4 00          MOV AH, 0
349 346
350 347 00D5 F6 36 0474r    DIV desimt
351 348 00D9 88 26 0469r    MOV kaina,AH
352 349 00DD 80 06 0469r 30  ADD kaina,30h
353 350
354 351 00E2 80 06 046Cr 30  ADD bilietu_sk,30h
355 352          ; pasalinti nereikalinga 0
356 353 00E7 80 3E 0469r 30  CMP kaina, 30h
357 354 00EC 74 03          JE NULIS1
358 355 00EE EB 12 90      JMP NULIAI
359 356 00F1          NULIS1:
360 357 00F1 C6 06 0469r 07  MOV kaina, 07h
361 358 00F6 EB 0A 90      JMP NULIAI
362 359
363 360 00F9 E9 0121      KLAIDA3_1:  JMP KLAIDA3
364 361 00FC E9 0114      KLAIDA2_1:  JMP KLAIDA2
365 362 00FF E9 0107      KLAIDA1_1:  JMP KLAIDA1
366 363
367 364 0102          NULIAI:
368 365          ; pasalinti nereikalingus 0
369 366 0102 80 3E 0470r 30  CMP suma, 30h
370 367 0107 74 03          JE NULIS2
371 368 0109 EB 18 90      JMP REZULTATAS
372 369 010C          NULIS2:
373 370 010C C6 06 0470r 07  MOV suma, 07h
374 371
375 372 0111 80 3E 0471r 30  CMP suma+1, 30h

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376      373 0116 74 03      JE NULIS3
377      374 0118 EB 09 90      JMP RESULTATAS
378      375 011B      NULIS3:
379      376 011B C6 06 0471r 07      MOV suma+1, 07h
380      377
381      378 0120 EB 01 90      JMP RESULTATAS
382      379
383      380      ; atvaizduojam viska
384      381 0123      RESULTATAS:
385      382      ; sumokekite
386      383 0123 B4 09      MOV AH, 09h
387      384 0125 BA 0238r      LEA DX, pra3
388      385 0128 CD 21      INT 21h
389      386
390      387 012A B4 09      MOV AH, 09h
391      388 012C BA 0470r      LEA DX, suma
392      389 012F CD 21      INT 21h
393      390
394      391 0131 B4 09      MOV AH, 09h
395      392 0133 BA 0267r      LEA DX, pra4
396      393 0136 CD 21      INT 21h
397      394
398      395      ; paspausti bet koki klavisa
399      396 0138 B4 07      MOV AH, 07h
400      397 013A CD 21      INT 21h
401      398
402      399      ; filmo pavadinimas
403      400 013C B4 09      MOV AH, 09h
404      401 013E BA 0343r      LEA DX, pra5
405      402 0141 CD 21      INT 21h
406      403      ; nustatyti pavadinima
407      404 0143 80 3E 046Er 31      CMP filmo_nr, 31h
408      405 0148 74 31      JE FILMAS1
409      406 014A 80 3E 046Er 32      CMP filmo_nr, 32h
410      407 014F 74 34      JE FILMAS2
411      408 0151 80 3E 046Er 33      CMP filmo_nr, 33h
412      409 0156 74 37      JE FILMAS3
413      410 0158 80 3E 046Er 34      CMP filmo_nr, 34h
414      411 015D 74 3A      JE FILMAS4
415      412 015F 80 3E 046Er 35      CMP filmo_nr, 35h
416      413 0164 74 3D      JE FILMAS5
417      414 0166 80 3E 046Er 36      CMP filmo_nr, 36h
418      415 016B 74 40      JE FILMAS6
419      416 016D 80 3E 046Er 37      CMP filmo_nr, 37h
420      417 0172 74 43      JE FILMAS7
421      418 0174 80 3E 046Er 38      CMP filmo_nr, 38h
422      419 0179 74 46      JE FILMAS8
423      420
424      421 017B      FILMAS1:
425      422 017B B4 09      MOV AH, 09h
426      423 017D BA 03EBr      LEA DX, film1
427      424 0180 CD 21      INT 21h
428      425 0182 EB 47 90      JMP SEANSAS
429      426 0185      FILMAS2:
430      427 0185 B4 09      MOV AH, 09h
431      428 0187 BA 03FCr      LEA DX, film2
432      429 018A CD 21      INT 21h
433      430 018C EB 3D 90      JMP SEANSAS
434      431 018F      FILMAS3:
435      432 018F B4 09      MOV AH, 09h
436      433 0191 BA 040Br      LEA DX, film3
437      434 0194 CD 21      INT 21h
438      435 0196 EB 33 90      JMP SEANSAS
439      436 0199      FILMAS4:
440      437 0199 B4 09      MOV AH, 09h
441      438 019B BA 041Dr      LEA DX, film4
442      439 019E CD 21      INT 21h
443      440 01A0 EB 29 90      JMP SEANSAS
444      441 01A3      FILMAS5:
445      442 01A3 B4 09      MOV AH, 09h
446      443 01A5 BA 0428r      LEA DX, film5
447      444 01A8 CD 21      INT 21h
448      445 01AA EB 1F 90      JMP SEANSAS
449      446 01AD      FILMAS6:
450      447 01AD B4 09      MOV AH, 09h
451      448 01AF BA 043Br      LEA DX, film6
452      449 01B2 CD 21      INT 21h
453      450 01B4 EB 15 90      JMP SEANSAS

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454      451 01B7      FILMAS7:
455      452 01B7      MOV AH, 09h
456      453 01B9      BA 0445r      LEA DX, film7
457      454 01BC      CD 21          INT 21h
458      455 01BE      EB 0B 90      JMP SEANSAS
459      456 01C1      FILMAS8:
460      457 01C1      B4 09          MOV AH, 09h
461      458 01C3      BA 0453r      LEA DX, film8
462      459 01C6      CD 21          INT 21h
463      460 01C8      EB 01 90      JMP SEANSAS
464      461
465      462 01CB      SEANSAS:
466      463          ; seanso kaina
467      464 01CB      B4 09          MOV AH, 09h
468      465 01CD      BA 03A2r      LEA DX, pra6
469      466 01D0      CD 21          INT 21h
470      467
471      468 01D2      B4 09          MOV AH, 09h
472      469 01D4      BA 0469r      LEA DX, kaina
473      470 01D7      CD 21          INT 21h
474      471
475      472 01D9      B4 09          MOV AH, 09h
476      473 01DB      BA 0267r      LEA DX, pra4
477      474 01DE      CD 21          INT 21h
478      475
479      476          ; bilietu kiekis
480      477 01E0      B4 09          MOV AH, 09h
481      478 01E2      BA 03BBr      LEA DX, pra7
482      479 01E5      CD 21          INT 21h
483      480
484      481 01E7      B4 09          MOV AH, 09h
485      482 01E9      BA 046Cr      LEA DX, bilietu_sk
486      483 01EC      CD 21          INT 21h
487      484
488      485          ; galutine kaina
489      486 01EE      B4 09          MOV AH, 09h
490      487 01F0      BA 03D2r      LEA DX, pra8
491      488 01F3      CD 21          INT 21h
492      489
493      490 01F5      B4 09          MOV AH, 09h
494      491 01F7      BA 0470r      LEA DX, suma
495      492 01FA      CD 21          INT 21h
496      493
497      494 01FC      B4 09          MOV AH, 09h
498      495 01FE      BA 0267r      LEA DX, pra4
499      496 0201      CD 21          INT 21h
500      497
501      498          ; Baigti
502      499 0203      EB 41 90      JMP PABAIGA
503      500
504      501 0206      E9 FDFf      PRAN1_1: JMP PRAN1
505      502
506      503 0209      KLAIDA1:
507      504          ; klaidos pranesimas
508      505 0209      B4 09          MOV AH, 09h
509      506 020B      BA 026Dr      LEA DX, kld1
510      507 020E      CD 21          INT 21h
511      508
512      509 0210      EB 15 90      JMP KLAIDA
513      510
514      511 0213      KLAIDA2:
515      512          ; klaidos pranesimas
516      513 0213      B4 09          MOV AH, 09h
517      514 0215      BA 02B4r      LEA DX, kld2
518      515 0218      CD 21          INT 21h
519      516
520      517 021A      EB 0B 90      JMP KLAIDA
521      518
522      519 021D      KLAIDA3:
523      520          ; klaidos pranesimas
524      521 021D      B4 09          MOV AH, 09h
525      522 021F      BA 02FBr      LEA DX, kld3
526      523 0222      CD 21          INT 21h
527      524
528      525 0224      EB 01 90      JMP KLAIDA
529      526
530      527 0227      KLAIDA:
531      528

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532      529      ; paspausti bet koki klavisa
533      530 0227 B4 07      MOV AH, 07h
534      531 0229 CD 21      INT 21h
535      532
536      533 022B E8 002E      CALL PAGRINDINIS
537      534      ; tikrinam ar jau iversta pirma valiuta
538      535 022E 80 3E 046Er 00 CMP filmo_nr, 0h
539      536 0233 74 D1      JE PRAN1_1
540      537
541      538      ; pranesimas1
542      539 0235 B4 09      MOV AH, 09h
543      540 0237 BA 01D0r      LEA DX, pra1
544      541 023A CD 21      INT 21h
545      542
546      543 023C B4 09      MOV AH, 09h
547      544 023E BA 046Er      LEA DX, filmo_nr
548      545 0241 CD 21      INT 21h
549      546
550      547 0243 E9 FE00      JMP PRAN2
551      548
552      549 0246      PABAIGA:
553      550      ; paspausti bet koki klavisa
554      551 0246 B4 07      MOV AH, 07h
555      552 0248 CD 21      INT 21h
556      553
557      554      ; iseiti is programos
558      555 024A B4 4C      MOV AH, 4ch
559      556 024C CD 21      INT 21h
560      557
561      558      ; Procedura AR_SKAICIUS
562      559 024E      Ar_Skaicius PROC
563      560
564      561 024E 80 FF 30      CMP BH, 30h
565      562 0251 7C C0      JL Klaida2
566      563 0253 80 FF 39      CMP BH, 39h
567      564 0256 7F BB      JG Klaida2
568      565 0258 80 EF 30      SUB BH, 30h
569      566 025B C3      RET
570      567 025C      Ar_Skaicius ENDP
571      568
572      569      ; Procedura PAGRINDINIS
573      570 025C      Pagrindinis PROC
574      571      ; isvalyti ekrana
575      572 025C B8 0002      MOV AX, 0002h
576      573 025F CD 10      INT 10h
577      574
578      575      ; pagrindinis pranesimas
579      576 0261 B4 09      MOV AH, 09h
580      577 0263 BA 0009r      LEA DX, titulinis
581      578 0266 CD 21      INT 21h
582      579 0268 C3      RET
583      580 0269      Pagrindinis ENDP
584      581
585      582 0269      programa ENDS
586      583
587      584      END START

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Symbol Table

Symbol	Name	Type	Value
??DATE		Text	"01/26/09"
??FILENAME		Text	"KST_KURS"
??TIME		Text	"04:39:06"
??VERSION		Number	0200
@CPU		Text	0101H
@CURSEG		Text	PROGRAMA
@FILENAME		Text	KST_KURS
@WORDSIZE		Text	2
AR_SKAICIUS		Near	PROGRAMA:024E
BILIETU_SK		Byte	DUOMENYS:046C
CIKLAS1		Near	PROGRAMA:0033
CIKLAS2		Near	PROGRAMA:006D
CR		Number	000D
DESIMT		Byte	DUOMENYS:0474
DESIMTAINE		Near	PROGRAMA:0094
FILM1		Byte	DUOMENYS:03EB



610	FILM2	Byte	DUOMENYS:03FC
611	FILM3	Byte	DUOMENYS:040B
612	FILM4	Byte	DUOMENYS:041D
613	FILM5	Byte	DUOMENYS:0428
614	FILM6	Byte	DUOMENYS:043B
615	FILM7	Byte	DUOMENYS:0445
616	FILM8	Byte	DUOMENYS:0453
617	FILMAS1	Near	PROGRAMA:017B
618	FILMAS2	Near	PROGRAMA:0185
619	FILMAS3	Near	PROGRAMA:018F
620	FILMAS4	Near	PROGRAMA:0199
621	FILMAS5	Near	PROGRAMA:01A3
622	FILMAS6	Near	PROGRAMA:01AD
623	FILMAS7	Near	PROGRAMA:01B7
624	FILMAS8	Near	PROGRAMA:01C1
625	FILMO_NR	Byte	DUOMENYS:046E
626	IVESTIS1	Byte	DUOMENYS:0000
627	IVESTIS2	Byte	DUOMENYS:0004
628	KAINA	Byte	DUOMENYS:0469
629	KAINOS	Byte	DUOMENYS:0461
630	KLAIDA	Near	PROGRAMA:0227
631	KLAIDA1	Near	PROGRAMA:0209
632	KLAIDA1_1	Near	PROGRAMA:00FF
633	KLAIDA1_2	Near	PROGRAMA:0080
634	KLAIDA2	Near	PROGRAMA:0213
635	KLAIDA2_1	Near	PROGRAMA:00FC
636	KLAIDA2_2	Near	PROGRAMA:0083
637	KLAIDA3	Near	PROGRAMA:021D
638	KLAIDA3_1	Near	PROGRAMA:00F9
639	KLD1	Byte	DUOMENYS:026D
640	KLD2	Byte	DUOMENYS:02B4
641	KLD3	Byte	DUOMENYS:02FB
642	LF	Number 000A	
643	NULIAI	Near	PROGRAMA:0102
644	NULIS1	Near	PROGRAMA:00F1
645	NULIS2	Near	PROGRAMA:010C
646	NULIS3	Near	PROGRAMA:011B
647	PABAIGA	Near	PROGRAMA:0246
648			
649	Symbol Table		
650			
651			
652	PAGRINDINIS	Near	PROGRAMA:025C
653	PRA1	Byte	DUOMENYS:01D0
654	PRA2	Byte	DUOMENYS:0204
655	PRA3	Byte	DUOMENYS:0238
656	PRA4	Byte	DUOMENYS:0267
657	PRA5	Byte	DUOMENYS:0343
658	PRA6	Byte	DUOMENYS:03A2
659	PRA7	Byte	DUOMENYS:03BB
660	PRA8	Byte	DUOMENYS:03D2
661	PRAN1	Near	PROGRAMA:0008
662	PRAN1_1	Near	PROGRAMA:0206
663	PRAN2	Near	PROGRAMA:0046
664	REZULTATAS	Near	PROGRAMA:0123
665	SEANSAS	Near	PROGRAMA:01CB
666	START	Near	PROGRAMA:0000
667	SUMA	Byte	DUOMENYS:0470
668	TITULINIS	Byte	DUOMENYS:0009
669	TOLIAU	Near	PROGRAMA:0086
670			
671	Groups & Segments	Bit Size Align	Combine Class
672			
673	DUOMENYS	16 0475 Para	none
674	PROGRAMA	16 0269 Para	none
675	STEKAS	16 0100 Para	stack