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1  /* Program 1 */
2  #include <stdio.h>
3  #include <stdlib.h>
4
5  int main(void)
6  {
7      int i;
8      for(i=0; i < 16; ++i)
9          printf("i=%d\n", i);
10     exit(0);
11 }
12
13 /* Program 2 */
14 #include <stdio.h>
15 #include <stdlib.h>
16
17 int main(void)
18 {
19     int i;
20     for(i=0; i < 16; i=i+2)
21         printf("i=%d\n", i);
22     exit(0);
23 }
24
25 /* Program 3 */
26 #include <stdio.h>
27 #include <stdlib.h>
28
29 int main(void)
30 {
31     int i;
32     for(i=0; i < 16; i+=2)
33         printf("i=%d\n", i);
34     exit(0);
35 }
36
37 /* Program 4 */
38 #include <stdio.h>
39 #include <stdlib.h>
40
41 int main(void)
42 {
43     int i;
44     for(i=0; i < 16; i+=3)
45         printf("i=%d\n", i);
46     exit(0);
47 }
48
49 /* Program 5 */
50 #include <stdio.h>
51 #include <stdlib.h>
52
53 int main(void)
54 {
55     int i;
56     for(i=0; i < 16; i+=4)
57         printf("i=%d\n", i);
58     exit(0);
59 }
60
61 /* Program 6 */
62 #include <stdio.h>
63 #include <stdlib.h>
64
65 int main(void)
66 {
67     int i;
68     for(i=0; i < 16; i+=5)
69         printf("i=%d\n", i);
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70     exit(0);
71 }
72
73 /* Program 7 */
74 #include <stdio.h>
75 #include <stdlib.h>
76
77 int main(void)
78 {
79     int i;
80     for(i=0; i < 16; i+=6)
81         printf("i=%d\n", i);
82     exit(0);
83 }
84
85 /* Program 8 */
86 #include <stdio.h>
87 #include <stdlib.h>
88
89 int main(void)
90 {
91     int i;
92     for(i=0; i < 16; i+=7)
93         printf("i=%d\n", i);
94     exit(0);
95 }
96
97 /* Program 9 */
98 #include <stdio.h>
99 #include <stdlib.h>
100
101 int main(void)
102 {
103     int i;
104     for(i=0; i < 16; i+=8)
105         printf("i=%d\n", i);
106     exit(0);
107 }
108
109 /* Program 10 */
110 #include <stdio.h>
111 #include <stdlib.h>
112
113 int main(void)
114 {
115     int i;
116     for(i=0; i < 16; i+=9)
117         printf("i=%d\n", i);
118     exit(0);
119 }
120
121 /* Program 11 */
122 #include <stdio.h>
123 #include <stdlib.h>
124
125 int main(void)
126 {
127     int i;
128     for(i=1; i < 16; i*=2)
129         printf("i=%d\n", i);
130     exit(0);
131 }
132
133 /* Program 12 */
134 #include <stdio.h>
135 #include <stdlib.h>
136
137 int main(void)
138 {

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139     int i;
140     for(i=1; i < 16; i*=3)
141         printf("i=%d\n", i);
142     exit(0);
143 }
144
145 /* Program 13 */
146 #include <stdio.h>
147 #include <stdlib.h>
148
149 int main(void)
150 {
151     int i;
152     for(i=1; i < 16; i*=4)
153         printf("i=%d\n", i);
154     exit(0);
155 }
156
157 /* Program 14 */
158 #include <stdio.h>
159 #include <stdlib.h>
160
161 int main(void)
162 {
163     int i;
164     for(i=1; i < 16; i*=5)
165         printf("i=%d\n", i);
166     exit(0);
167 }
168
169 /* Program 15 */
170 #include <stdio.h>
171 #include <stdlib.h>
172
173 int main(void)
174 {
175     int i;
176     for(i=1; i < 16; i*=6)
177         printf("i=%d\n", i);
178     exit(0);
179 }
180
181 /* Program 16 */
182 #include <stdio.h>
183 #include <stdlib.h>
184
185 int main(void)
186 {
187     int i;
188     for(i=1; i < 16; i*=7)
189         printf("i=%d\n", i);
190     exit(0);
191 }
192
193 /* Program 17 */
194 #include <stdio.h>
195 #include <stdlib.h>
196
197 int main(void)
198 {
199     int i;
200     for(i=1; i < 16; i*=8)
201         printf("i=%d\n", i);
202     exit(0);
203 }
204
205 /* Program 18 */
206 #include <stdio.h>
207 #include <stdlib.h>

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208
209 int main(void)
210 {
211     int i;
212     for(i=1; i < 16; i*=9)
213         printf("i=%d\n", i);
214     exit(0);
215 }
216
217 /* Program 19 */
218 #include <stdio.h>
219 #include <stdlib.h>
220
221 int main(void)
222 {
223     int i;
224     for(i=1; i < 16; i = i << 2)
225         printf("i=%d\n", i);
226     exit(0);
227 }
228
229 /* Program 20 */
230 #include <stdio.h>
231 #include <stdlib.h>
232
233 int main(void)
234 {
235     int i;
236     for(i=1; i < 16; i = i << 3)
237         printf("i=%d\n", i);
238     exit(0);
239 }
240
241 /* Program 21 */
242 #include <stdio.h>
243 #include <stdlib.h>
244
245 int main(void)
246 {
247     int i;
248     for(i=1; i < 16; i = i << 4)
249         printf("i=%d\n", i);
250     exit(0);
251 }
252
253 /* Problem 22 */
254 #include <stdio.h>
255 #include <stdlib.h>
256
257 int main(void)
258 {
259     int i;
260     for(i=0; i <= 16; ++i)
261         printf("i=%d\n", i);
262     exit(0);
263 }
264
265 /* Problem 23 */
266 #include <stdio.h>
267 #include <stdlib.h>
268
269 int main(void)
270 {
271     int i;
272     for(i=1; i <= 16; ++i)
273         printf("i=%d\n", i);
274     exit(0);
275 }
276
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277  /* Problem 24 */
278  #include <stdio.h>
279  #include <stdlib.h>
280
281  int main(void)
282  {
283      int i;
284      for(i=1; i <= 16; i*=2)
285          printf("i=%d\n", i);
286      exit(0);
287  }
288
289  /* Problem 25 */
290  #include <stdio.h>
291  #include <stdlib.h>
292
293  int main(void)
294  {
295      int i;
296      for(i=1; i <= 16; i=i<<2)
297          printf("i=%d\n", i);
298      exit(0);
299  }
300
301  /* Problem 26 */
302  #include <stdio.h>
303  #include <stdlib.h>
304
305  int main(void)
306  {
307      int i;
308      for(i = 5; i >= 0; i = i - 1)
309          printf("i = %d\n", i);
310      exit(0);
311  }
312
313  /* Problem 26 */
314  #include <stdio.h>
315  #include <stdlib.h>
316
317  int main(void)
318  {
319      int i;
320      for(i = 5; i >= 0; i = i - 1)
321          printf("i = %d\n", i);
322      exit(0);
323  }
324
325  /* Problem 26 */
326  #include <stdio.h>
327  #include <stdlib.h>
328
329  int main(void)
330  {
331      int i;
332      for(i = 5; i >= 0; i = i - 1)
333          printf("i = %d\n", i);
334      exit(0);
335  }
336
337  /* Problem 26 */
338  #include <stdio.h>
339  #include <stdlib.h>
340
341  int main(void)
342  {
343      int i;
344      for(i = 5; i >= 0; i = i - 1)
345          printf("i = %d\n", i);

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346     exit(0);
347 }
348
349 /* Problem 26 */
350 #include <stdio.h>
351 #include <stdlib.h>
352
353 int main(void)
354 {
355     int i;
356     for(i = 5; i >= 0; i = i - 1)
357         printf("i = %d\n", i);
358     exit(0);
359 }
360
361 /* Problem 26 */
362 #include <stdio.h>
363 #include <stdlib.h>
364
365 int main(void)
366 {
367     int i;
368     for(i = 5; i >= 0; i = i - 1)
369         printf("i = %d\n", i);
370     exit(0);
371 }
372
373 /* Problem 26 */
374 #include <stdio.h>
375 #include <stdlib.h>
376
377 int main(void)
378 {
379     int i;
380     for(i = 5; i >= 0; i = i - 1)
381         printf("i = %d\n", i);
382     exit(0);
383 }
384
385 /* Problem 27 */
386 #include <stdio.h>
387 #include <stdlib.h>
388
389 int main(void)
390 {
391     int i;
392     for(i = 5; i > 0; i = i - 1)
393         printf("i = %d\n", i);
394     exit(0);
395 }
396
397 /* Problem 28 */
398 #include <stdio.h>
399 #include <stdlib.h>
400
401 int main(void)
402 {
403     int i;
404     for(i = 5; i >= 1; i = i - 1)
405         printf("i = %d\n", i);
406     exit(0);
407 }
408
409 /* Problem 29 */
410 #include <stdio.h>
411 #include <stdlib.h>
412
413 int main(void)
414 {

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415     int i;
416     for(i = 5; i > 1; i = i - 1)
417         printf("i = %d\n", i);
418     exit(0);
419 }
420
421 /* Problem 30 */
422 #include <stdio.h>
423 #include <stdlib.h>
424
425 int main(void)
426 {
427     int i;
428     for(i = 16; i > 0; i = i - 2)
429         printf("i = %d\n", i);
430     exit(0);
431 }
432
433 /* Problem 31 */
434 #include <stdio.h>
435 #include <stdlib.h>
436
437 int main(void)
438 {
439     int i;
440     for(i = 16; i > 1; i = i - 4)
441         printf("i = %d\n", i);
442     exit(0);
443 }
444
445 /* Problem 32 */
446 #include <stdio.h>
447 #include <stdlib.h>
448
449 int main(void)
450 {
451     int i;
452     for(i = 16; i > 0; i = i - 4)
453         printf("i = %d\n", i);
454     exit(0);
455 }
456
457 /* Problem 33 */
458 #include <stdio.h>
459 #include <stdlib.h>
460
461 int main(void)
462 {
463     int i;
464     for(i = 16; i >= 0; i = i - 4)
465         printf("i = %d\n", i);
466     exit(0);
467 }
468
469 /* Problem 34 */
470 #include <stdio.h>
471 #include <stdlib.h>
472
473 int main(void)
474 {
475     int i;
476     for(i = 16; i > 0; i = i / 4)
477         printf("i = %d\n", i);
478     exit(0);
479 }
480
481
482 /* Problem 34 */
483 #include <stdio.h>

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```

484     #include <stdlib.h>
485
486     int main(void)
487     {
488         int i;
489         for(i = 16; i > 0; i = i / 4)
490             printf("i = %d\n", i);
491         exit(0);
492     }
493
494
495     /* Problem 35 */
496     #include <stdio.h>
497     #include <stdlib.h>
498
499     int main(void)
500     {
501         int i;
502         for(i = 16; i > 0; i = i / 2)
503             printf("i = %d\n", i);
504         exit(0);
505     }
506
507
508     /* Problem 36 */
509     #include <stdio.h>
510     #include <stdlib.h>
511
512     int main(void)
513     {
514         int i;
515         for(i = 16; i >=0; i = i / 4)
516             printf("i = %d\n", i);
517         exit(0);
518     }
519
520
521     /* Problem 37 */
522     #include <stdio.h>
523     #include <stdlib.h>
524
525     int main(void)
526     {
527         int i;
528         for(i = 16; i > 0; i = i / 1)
529             printf("i = %d\n", i);
530         exit(0);
531     }
532
533     /* Problem 38 */
534     #include <stdio.h>
535     #include <stdlib.h>
536
537     int main(void)
538     {
539         int i;
540         for(i = 16; i > 0; i = i >> 1)
541             printf("i = %d\n", i);
542         exit(0);
543     }
544
545     /* Problem 39 */
546     #include <stdio.h>
547     #include <stdlib.h>
548
549     int main(void)
550     {
551         int i;
552         for(i = 16; i > 0; i = i >> 2)

```



```
553         printf("i = %d\n", i);
554     exit(0);
555 }
556
557 /* Problem 40 */
558 #include <stdio.h>
559 #include <stdlib.h>
560
561 int main(void)
562 {
563     int i;
564     for(i = 16; i > 0; i = i >> 3)
565         printf("i = %d\n", i);
566     exit(0);
567 }
568
569
```