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1 'Jonathan Duke
2 'Project #5b
3 ' ($STAMP BS2)
4 ' ($PBASIC 2.5)
5 dice VAR Word
6 counter VAR Word
7 btnWrk VAR Byte
8 paws VAR Word
9
10 Butt PIN 15
11
12 DO
13 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
14 GOSUB Main
15 LOOP
16
17 Main:
18 'RANDOM dice
19 'dice=dice/2
20 'RANDOM dice
21 FOR counter = 0 TO 65535
22 RANDOM dice
23 dice=dice/2
24 RANDOM dice
25 IF IN15=1 THEN
26 PAUSE 100
27 paws = 0
28 FOR counter = 0 TO 60
29 DEBUG ? counter
30 paws=1 + paws
31 DEBUG ? paws
32 GOSUB superspeednumcycle
33 NEXT
34 FOR counter = 0 TO 20
35 DEBUG ? counter
36 paws= 10 + paws
37 DEBUG ? paws
38 GOSUB superspeednumcycle
39 NEXT
40 FOR counter = 0 TO 6
41 DEBUG ? counter
42 paws= 15 + paws
43 DEBUG ? paws
44 GOSUB superspeednumcycle
45 NEXT
46
47
48
49
50 'RANDOM dice
51 IF paws=376 THEN
52
53 IF dice < 6554 THEN
54 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
55 'PAUSE 250
56 GOSUB Zero
57 DEBUG CLS, "Zero"
58 PAUSE 495
59 GOSUB Alloff
60 PAUSE 500
61 GOSUB Zero
62 PAUSE 500
63 GOSUB Alloff
64 PAUSE 500
65 GOSUB Zero
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66 PAUSE 500
67 GOSUB Alloff
68 PAUSE 500
69 GOSUB Zero
70 PAUSE 500
71 RANDOM dice
72 FOR counter = 0 TO 65535
73 IF IN15=1 THEN
74 GOSUB Main
75 ENDIF
76 NEXT
77 ENDIF
78
79 IF dice < 13107 AND dice > 6554 THEN
80 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
81 'PAUSE 250
82 GOSUB One
83 DEBUG CLS, "One"
84 PAUSE 495
85 GOSUB Alloff
86 PAUSE 500
87 GOSUB One
88 PAUSE 500
89 GOSUB Alloff
90 PAUSE 500
91 GOSUB One
92 PAUSE 500
93 GOSUB Alloff
94 PAUSE 500
95 GOSUB One
96 PAUSE 500
97 RANDOM dice
98 FOR counter = 0 TO 65535
99 IF IN15=1 THEN
100 GOSUB Main
101 ENDIF
102 NEXT
103 ENDIF
104
105 IF dice < 19961 AND dice > 13107 THEN
106 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
107 'PAUSE 250
108 GOSUB Two
109 DEBUG CLS, "Two"
110 PAUSE 495
111 GOSUB Alloff
112 PAUSE 500
113 GOSUB Two
114 PAUSE 500
115 GOSUB Alloff
116 PAUSE 500
117 GOSUB Two
118 PAUSE 500
119 GOSUB Alloff
120 PAUSE 500
121 GOSUB Two
122 PAUSE 500
123 RANDOM dice
124 FOR counter = 0 TO 65535
125 IF IN15=1 THEN
126 GOSUB Main
127 ENDIF
128 NEXT
129 ENDIF
130
```

```
131 IF dice < 26214 AND dice > 19661 THEN
132 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
133 'PAUSE 250
134 GOSUB Three
135 DEBUG CLS, "Three"
136 PAUSE 495
137 GOSUB Alloff
138 PAUSE 500
139 GOSUB Three
140 PAUSE 500
141 GOSUB Alloff
142 PAUSE 500
143 GOSUB Three
144 PAUSE 500
145 GOSUB Alloff
146 PAUSE 500
147 GOSUB Three
148 PAUSE 500
149 RANDOM dice
150 FOR counter = 0 TO 65535
151 IF IN15=1 THEN
152 GOSUB Main
153 ENDIF
154 NEXT
155 ENDIF
156
157 IF dice < 32768 AND dice > 26214 THEN
158 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
159 'PAUSE 250
160 GOSUB Four
161 DEBUG CLS, "Four"
162 PAUSE 495
163 GOSUB Alloff
164 PAUSE 500
165 GOSUB Four
166 PAUSE 500
167 GOSUB Alloff
168 PAUSE 500
169 GOSUB Four
170 PAUSE 500
171 GOSUB Alloff
172 PAUSE 500
173 GOSUB Four
174 PAUSE 500
175 RANDOM dice
176 FOR counter = 0 TO 65535
177 IF IN15=1 THEN
178 GOSUB Main
179 ENDIF
180 NEXT
181 ENDIF
182
183 IF dice < 39321 AND dice > 32768 THEN
184 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
185 'PAUSE 250
186 GOSUB Five
187 DEBUG CLS, "Five"
188 PAUSE 495
189 GOSUB Alloff
190 PAUSE 500
191 GOSUB Five
192 PAUSE 500
193 GOSUB Alloff
194 PAUSE 500
195 GOSUB Five
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196 PAUSE 500
197 GOSUB Alloff
198 PAUSE 500
199 GOSUB Five
200 PAUSE 500
201 RANDOM dice
202 FOR counter = 0 TO 65535
203 IF IN15=1 THEN
204 GOSUB Main
205 ENDIF
206 NEXT
207 ENDIF
208
209 IF dice < 45875 AND dice > 39321 THEN
210 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
211 'PAUSE 250
212 GOSUB Six
213 DEBUG CLS, "Six"
214 PAUSE 495
215 GOSUB Alloff
216 PAUSE 500
217 GOSUB Six
218 PAUSE 500
219 GOSUB Alloff
220 PAUSE 500
221 GOSUB Six
222 PAUSE 500
223 GOSUB Alloff
224 PAUSE 500
225 GOSUB Six
226 PAUSE 500
227 RANDOM dice
228 FOR counter = 0 TO 65535
229 IF IN15=1 THEN
230 GOSUB Main
231 ENDIF
232 NEXT
233 ENDIF
234
235 IF dice < 52428 AND dice > 45875 THEN
236 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
237 'PAUSE 250
238 GOSUB Seven
239 DEBUG CLS, "Seven"
240 PAUSE 495
241 GOSUB Alloff
242 PAUSE 500
243 GOSUB Seven
244 PAUSE 500
245 GOSUB Alloff
246 PAUSE 500
247 GOSUB Seven
248 PAUSE 500
249 GOSUB Alloff
250 PAUSE 500
251 GOSUB Seven
252 PAUSE 500
253 RANDOM dice
254 FOR counter = 0 TO 65535
255 IF IN15=1 THEN
256 GOSUB Main
257 ENDIF
258 NEXT
259 ENDIF
260
```

```
261 IF dice < 58982 AND dice > 52428 THEN
262 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
263 'PAUSE 250
264 GOSUB Eight
265 DEBUG CLS, "Eight"
266 PAUSE 495
267 GOSUB Alloff
268 PAUSE 500
269 GOSUB Eight
270 PAUSE 500
271 GOSUB Alloff
272 PAUSE 500
273 GOSUB Eight
274 PAUSE 500
275 GOSUB Alloff
276 PAUSE 500
277 GOSUB Eight
278 PAUSE 500
279 RANDOM dice
280 FOR counter = 0 TO 65535
281 IF IN15=1 THEN
282 GOSUB Main
283 ENDIF
284 NEXT
285 ENDIF
286
287 IF dice > (58982) THEN
288 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
289 'PAUSE 250
290 GOSUB Nine
291 PAUSE 495
292 GOSUB Alloff
293 PAUSE 500
294 GOSUB Nine
295 PAUSE 500
296 GOSUB Alloff
297 PAUSE 500
298 GOSUB Nine
299 PAUSE 500
300 GOSUB Alloff
301 PAUSE 500
302 GOSUB Nine
303 PAUSE 500
304 RANDOM dice
305 FOR counter = 0 TO 65535
306 IF IN15=1 THEN
307 GOSUB Main
308 ENDIF
309 NEXT
310 ENDIF
311
312 ENDIF
313
314 ELSE
315 paws=0
316 DO
317
318 LOOP UNTIL (IN15=1)
319 ENDIF
320 NEXT
321
322 superspeednumcycle:
323
324 IF dice < 6554 THEN
325 GOSUB Zero
```

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326 ENDIF
327
328 IF dice < 13107 AND dice > 6554 THEN
329 GOSUB One
330 ENDIF
331
332 IF dice < 19961 AND dice > 13107 THEN
333 GOSUB Two
334 ENDIF
335
336 IF dice < 26214 AND dice > 19961 THEN
337 GOSUB Three
338 ENDIF
339
340 IF dice < 32768 AND dice > 26214 THEN
341 GOSUB Four
342 ENDIF
343
344 IF dice < 39321 AND dice > 32768 THEN
345 GOSUB Five
346 ENDIF
347
348 IF dice < 45875 AND dice > 39321 THEN
349 GOSUB Six
350 ENDIF
351
352 IF dice < 52428 AND dice > 45875 THEN
353 GOSUB Seven
354 ENDIF
355
356 IF dice < 58982 AND dice > 52428 THEN
357 GOSUB Eight
358 ENDIF
359
360 IF dice > 58982 THEN
361 GOSUB Nine
362 ENDIF
363 RANDOM dice
364 PAUSE paws
365 RANDOM dice
366 RETURN
367
368 Alloff:
369 LOW 0:LOW 1:LOW 2:LOW 3:LOW 4:LOW 5:LOW 6:LOW 7
370 RETURN
371
372 Start:
373 DEBUG CLS, "Press button to start"
374 RETURN
375
376 Zero:
377 HIGH 0:HIG 1:HIG 2:LOW 3:LOW 4:HIG 5:HIG 6:HIG 7
378 RETURN
379
380 One:
381 LOW 0:LOW 1:HIG 2:LOW 3:LOW 4:LOW 5:LOW 6:HIG 7
382 RETURN
383
384 Two:
385 HIGH 0:HIG 1:LOW 2:LOW 3:HIG 4:LOW 5:HIG 6:HIG 7
386 RETURN
387
388 Three:
389 LOW 0:HIG 1:HIG 2:LOW 3:HIG 4:LOW 5:HIG 6:HIG 7
390 RETURN
```

```
391
392 Four:
393 LOW 0:LOW 1:HIGH 2:LOW 3:HIGH 4:HIGH 5:LOW 6:HIGH 7
394 RETURN
395
396 Five:
397 LOW 0:HIGH 1:HIGH 2:LOW 3:HIGH 4:HIGH 5:HIGH 6:LOW 7
398 RETURN
399
400 Six:
401 HIGH 0:HIGH 1:HIGH 2:LOW 3:HIGH 4:HIGH 5:HIGH 6:LOW 7
402 RETURN
403
404 Seven:
405 LOW 0:LOW 1:HIGH 2:LOW 3:LOW 4:LOW 5:HIGH 6:HIGH 7
406 RETURN
407
408 Eight:
409 HIGH 0:HIGH 1:HIGH 2:LOW 3:HIGH 4:HIGH 5:HIGH 6:HIGH 7
410 RETURN
411
412 Nine:
413 LOW 0:HIGH 1:HIGH 2:LOW 3:HIGH 4:HIGH 5:HIGH 6:HIGH 7
414 RETURN
```