

AP Algorithm and Abstraction

```
1  stop();
2  var score = 0;
3  var scoret = 0;
4  var casho = 0;
5  var casht = 0;
6  cardra.addEventListener(MouseEvent.CLICK, fl_ClickToGoToAndStopAtFrame_2);
7
8  function fl_ClickToGoToAndStopAtFrame_2(event:MouseEvent):void
9  {
10     var rand = Math.floor(Math.random() * 52);
11     cardra.gotoAndStop(rand);
12     if (rand == 6) {
13         score += 10;
14     }else if (rand == 7) {
15         score += 10;
16     }else if (rand == 8) {
17         score += 10;
18     }else if (rand == 9) {
19         score += 10;
20     }else if (rand == 10) {
21         score += 10;
22     }else if (rand == 11) {
23         score += 10;
24     }else if (rand == 12) {
25         score += 10;
26     }else if (rand == 13) {
27         score += 10;
28     }else if (rand == 14) {
29         score += 10;
30     }else if (rand == 15) {
31         score += 10;
32     }else if (rand == 16) {
33         score += 10;
34     }else if (rand == 17) {
35         score += 10;
36     }else if (rand == 18) {
37         score += 10;
38     }else if (rand == 19) {
39         score += 10;
40     }else if (rand == 20) {
41         score += 10;
42     }else if (rand == 21) {
43         score += 10;
44     }else if (rand == 22) {
45         score += 9;
46     }else if (rand == 23) {
47         score += 9;
48     }else if (rand == 24) {
49         score += 9;
50     }else if (rand == 25) {
51         score += 9;
52
53     }else if (rand == 26) {
54         score += 8;
```

```
54     }else if (rand == 27) {
55         score += 8;
56     }else if (rand == 28) {
57         score += 8;
58     }else if (rand == 29) {
59         score += 8;
60     }else if (rand == 30) {
61         score += 7;
62     }else if (rand == 31) {
63         score += 7;
64     }else if (rand == 32) {
65         score += 7;
66     }else if (rand == 33) {
67         score += 7;
68     }else if (rand == 34) {
69         score += 6;
70     }else if (rand == 35) {
71         score += 6;
72     }else if (rand == 36) {
73         score += 6;
74     }else if (rand == 37) {
75         score += 6;
76     }else if (rand == 38) {
77         score += 5;
78     }else if (rand == 39) {
79         score += 5;
80     }else if (rand == 40) {
81         score += 5;
82     }else if (rand == 41) {
83         score += 5;
84     }else if (rand == 42) {
85         score += 4;
86     }else if (rand == 43) {
87         score += 4;
88     }else if (rand == 44) {
89         score += 4;
90     }else if (rand == 45) {
91         score += 4;
92     }else if (rand == 46) {
93         score += 3;
94     }else if (rand == 47) {
95         score += 3;
96     }else if (rand == 48) {
97         score += 3;
98     }else if (rand == 49) {
99         score += 3;
100    }else if (rand == 50) {
101        score += 2;
102    }else if (rand == 51) {
103        score += 2;
104    }else if (rand == 52) {
105        score += 2;
106    }else if (rand == 53) {
107        score += 2;
108    }
109    lbls.text = score;
110 }
111
112 cordova.addEventListeners(MouseEvent.CLICK, #1 ClickToGoToAndStopAtFrame 2).
```

```
112 cardko.addEventListener(MouseEvent.CLICK, f1_ClickToGoToAndStopAtFrame_3);
113
114 function f1_ClickToGoToAndStopAtFrame_3(event:MouseEvent):void
115 {
116     var rand = Math.floor(Math.random() * 52)
117     cardko.gotoAndStop(rand);
118     if (rand == 6) {
119         score += 10;
120     }else if (rand == 7) {
121         score += 10;
122     }else if (rand == 8) {
123         score += 10;
124     }else if (rand == 9) {
125         score += 10;
126     }else if (rand == 10) {
127         score += 10;
128     }else if (rand == 11) {
129         score += 10;
130     }else if (rand == 12) {
131         score += 10;
132     }else if (rand == 13) {
133         score += 10;
134     }else if (rand == 14) {
135         score += 10;
136     }else if (rand == 15) {
137         score += 10;
138     }else if (rand == 16) {
139         score += 10;
140     }else if (rand == 17) {
141         score += 10;
142     }else if (rand == 18) {
143         score += 10;
144     }else if (rand == 19) {
145         score += 10;
146     }else if (rand == 20) {
147         score += 10;
148     }else if (rand == 21) {
149         score += 10;
150     }else if (rand == 22) {
151         score += 9;
152     }else if (rand == 23) {
153         score += 9;
154     }else if (rand == 24) {
155         score += 9;
156     }else if (rand == 25) {
157         score += 9;
158     }else if (rand == 26) {
159         score += 8;
160     }else if (rand == 27) {
161         score += 8;
162     }else if (rand == 28) {
163         score += 8;
164     }else if (rand == 29) {
165         score += 8;
166     }else if (rand == 30) {
167         score += 7;
168     }else if (rand == 31) {
169         score += 7;
170     }else if (rand == 32) {
```

```
171         score += 7;
172     }else if (rand == 33) {
173         score += 7;
174     }else if (rand == 34) {
175         score += 6;
176     }else if (rand == 35) {
177         score += 6;
178     }else if (rand == 36) {
179         score += 6;
180     }else if (rand == 37) {
181         score += 6;
182     }else if (rand == 38) {
183         score += 5;
184     }else if (rand == 39) {
185         score += 5;
186     }else if (rand == 40) {
187         score += 5;
188     }else if (rand == 41) {
189         score += 5;
190     }else if (rand == 42) {
191         score += 4;
192     }else if (rand == 43) {
193         score += 4;
194     }else if (rand == 44) {
195         score += 4;
196     }else if (rand == 45) {
197         score += 4;
198     }else if (rand == 46) {
199         score += 3;
200     }else if (rand == 47) {
201         score += 3;
202     }else if (rand == 48) {
203         score += 3;
204     }else if (rand == 49) {
205         score += 3;
206     }else if (rand == 50) {
207         score += 2;
208     }else if (rand == 51) {
209         score += 2;
210     }else if (rand == 52) {
211         score += 2;
212     }else if (rand == 53) {
213         score += 2;
214     }
215     lbls.text = score;
216 }
217
218 cardma.addEventListener(MouseEvent.CLICK, fl_ClickToGoToAndStopAtFrame_4);
219
220 function fl_ClickToGoToAndStopAtFrame_4(event:MouseEvent):void
221 {
222     var rand = Math.floor(Math.random() * 52)
223     cardma.gotoAndStop(rand);
224     if (rand == 6) {
225         score += 10;
226     }else if (rand == 7) {
227         score += 10;
228     }else if (rand == 8) {
```

```
229     score += 10;
230 }else if (rand == 9) {
231     score += 10;
232 }else if (rand == 10) {
233     score += 10;
234 }else if (rand == 11) {
235     score += 10;
236 }else if (rand == 12) {
237     score += 10;
238 }else if (rand == 13) {
239     score += 10;
240 }else if (rand == 14) {
241     score += 10;
242 }else if (rand == 15) {
243     score += 10;
244 }else if (rand == 16) {
245     score += 10;
246 }else if (rand == 17) {
247     score += 10;
248 }else if (rand == 18) {
249     score += 10;
250 }else if (rand == 19) {
251     score += 10;
252 }else if (rand == 20) {
253     score += 10;
254 }else if (rand == 21) {
255     score += 10;
256 }else if (rand == 22) {
257     score += 9;
258 }else if (rand == 23) {
259     score += 9;
260 }else if (rand == 24) {
261     score += 9;
262 }else if (rand == 25) {
263     score += 9;
264 }else if (rand == 26) {
265     score += 8;
266 }else if (rand == 27) {
267     score += 8;
268 }else if (rand == 28) {
269     score += 8;
270 }else if (rand == 29) {
271     score += 8;
272 }else if (rand == 30) {
273     score += 7;
274 }else if (rand == 31) {
275     score += 7;
276 }else if (rand == 32) {
277     score += 7;
278 }else if (rand == 33) {
279     score += 7;
280 }else if (rand == 34) {
281     score += 6;
282 }else if (rand == 35) {
283     score += 6;
284 }else if (rand == 36) {
285     score += 6;
286 }else if (rand == 37) {
```

```
287         score += 6;
288     }else if (rand == 38) {
289         score += 5;
290     }else if (rand == 39) {
291         score += 5;
292     }else if (rand == 40) {
293         score += 5;
294     }else if (rand == 41) {
295         score += 5;
296     }else if (rand == 42) {
297         score += 4;
298     }else if (rand == 43) {
299         score += 4;
300     }else if (rand == 44) {
301         score += 4;
302     }else if (rand == 45) {
303         score += 4;
304     }else if (rand == 46) {
305         score += 3;
306     }else if (rand == 47) {
307         score += 3;
308     }else if (rand == 48) {
309         score += 3;
310     }else if (rand == 49) {
311         score += 3;
312     }else if (rand == 50) {
313         score += 2;
314     }else if (rand == 51) {
315         score += 2;
316     }else if (rand == 52) {
317         score += 2;
318     }else if (rand == 53) {
319         score += 2;
320     }
321     lbls.text = score;
322 }
323
324 cardla.addEventListener(MouseEvent.CLICK, f1_ClickToGoToAndStopAtFrame_5);
325
326 function f1_ClickToGoToAndStopAtFrame_5(event:MouseEvent):void
327 {
328     var rand = Math.floor(Math.random() * 52)
329     cardla.gotoAndStop(rand);
330     if (rand == 6) {
331         score += 10;
332     }else if (rand == 7) {
333         score += 10;
334     }else if (rand == 8) {
335         score += 10;
336     }else if (rand == 9) {
337         score += 10;
338     }else if (rand == 10) {
339         score += 10;
340     }else if (rand == 11) {
341         score += 10;
342     }else if (rand == 12) {
343         score += 10;
344     }else if (rand == 13) {
```

```
345         scoret += 10;
346     }else if (rand == 14) {
347         scoret += 10;
348     }else if (rand == 15) {
349         scoret += 10;
350     }else if (rand == 16) {
351         scoret += 10;
352     }else if (rand == 17) {
353         scoret += 10;
354     }else if (rand == 18) {
355         scoret += 10;
356     }else if (rand == 19) {
357         scoret += 10;
358     }else if (rand == 20) {
359         scoret += 10;
360     }else if (rand == 21) {
361         scoret += 10;
362     }else if (rand == 22) {
363         scoret += 9;
364     }else if (rand == 23) {
365         scoret += 9;
366     }else if (rand == 24) {
367         scoret += 9;
368     }else if (rand == 25) {
369         scoret += 9;
370     }else if (rand == 26) {
371         scoret += 8;
372     }else if (rand == 27) {
373         scoret += 8;
374     }else if (rand == 28) {
375         scoret += 8;
376     }else if (rand == 29) {
377         scoret += 8;
378     }else if (rand == 30) {
379         scoret += 7;
380     }else if (rand == 31) {
381         scoret += 7;
382     }else if (rand == 32) {
383         scoret += 7;
384     }else if (rand == 33) {
385         scoret += 7;
386     }else if (rand == 34) {
387         scoret += 6;
388     }else if (rand == 35) {
389         scoret += 6;
390     }else if (rand == 36) {
391         scoret += 6;
392     }else if (rand == 37) {
393         scoret += 6;
394     }else if (rand == 38) {
395         scoret += 5;
396     }else if (rand == 39) {
397         scoret += 5;
398     }else if (rand == 40) {
399         scoret += 5;
400     }else if (rand == 41) {
401         scoret += 5;
402     }else if (rand == 42) {
403         scoret += 4;
```

```
403         scoret += 4;
404     }else if (rand == 43) {
405         scoret += 4;
406     }else if (rand == 44) {
407         scoret += 4;
408     }else if (rand == 45) {
409         scoret += 4;
410     }else if (rand == 46) {
411         scoret += 3;
412     }else if (rand == 47) {
413         scoret += 3;
414     }else if (rand == 48) {
415         scoret += 3;
416     }else if (rand == 49) {
417         scoret += 3;
418     }else if (rand == 50) {
419         scoret += 2;
420     }else if (rand == 51) {
421         scoret += 2;
422     }else if (rand == 52) {
423         scoret += 2;
424     }else if (rand == 53) {
425         scoret += 2;
426     }
427     lblst.text = scoret;
428 }
429
430 cardmo.addEventListener(MouseEvent.CLICK, f1_ClickToGoToAndStopAtFrame_6);
431
432 function f1_ClickToGoToAndStopAtFrame_6(event:MouseEvent):void
433 {
434     var rand = Math.floor(Math.random() * 52)
435     cardmo.gotoAndStop(rand);
436     if (rand == 6) {
437         scoret += 10;
438     }else if (rand == 7) {
439         scoret += 10;
440     }else if (rand == 8) {
441         scoret += 10;
442     }else if (rand == 9) {
443         scoret += 10;
444
445     }else if (rand == 10) {
446         scoret += 10;
447     }else if (rand == 11) {
448         scoret += 10;
449     }else if (rand == 12) {
450         scoret += 10;
451     }else if (rand == 13) {
452         scoret += 10;
453     }else if (rand == 14) {
454         scoret += 10;
455     }else if (rand == 15) {
456         scoret += 10;
457     }else if (rand == 16) {
458         scoret += 10;
459     }else if (rand == 17) {
460         scoret += 10;
461     }else if (rand == 18) {
462         scoret += 10;
```



```
462 }else if (rand == 19) {
463     scoret += 10;
464 }else if (rand == 20) {
465     scoret += 10;
466 }else if (rand == 21) {
467     scoret += 10;
468 }else if (rand == 22) {
469     scoret += 9;
470 }else if (rand == 23) {
471     scoret += 9;
472 }else if (rand == 24) {
473     scoret += 9;
474 }else if (rand == 25) {
475     scoret += 9;
476 }else if (rand == 26) {
477     scoret += 8;
478 }else if (rand == 27) {
479     scoret += 8;
480 }else if (rand == 28) {
481     scoret += 8;
482 }else if (rand == 29) {
483     scoret += 8;
484 }else if (rand == 30) {
485     scoret += 7;
486 }else if (rand == 31) {
487     scoret += 7;
488 }else if (rand == 32) {
489     scoret += 7;
490 }else if (rand == 33) {
491     scoret += 7;
492 }else if (rand == 34) {
493     scoret += 6;
494 }else if (rand == 35) {
495     scoret += 6;
496 }else if (rand == 36) {
497     scoret += 6;
498 }else if (rand == 37) {
499     scoret += 6;
500 }else if (rand == 38) {
501     scoret += 5;
502 }else if (rand == 39) {
503     scoret += 5;
504 }else if (rand == 40) {
505     scoret += 5;
506 }else if (rand == 41) {
507     scoret += 5;
508 }else if (rand == 42) {
509     scoret += 4;
510 }else if (rand == 43) {
511     scoret += 4;
512 }else if (rand == 44) {
513     scoret += 4;
514 }else if (rand == 45) {
515     scoret += 4;
516 }else if (rand == 46) {
517     scoret += 3;
518 }else if (rand == 47) {
519     scoret += 3;
```

```
520     }else if (rand == 48) {
521         scoret += 3;
522     }else if (rand == 49) {
523         scoret += 3;
524     }else if (rand == 50) {
525         scoret += 2;
526     }else if (rand == 51) {
527         scoret += 2;
528     }else if (rand == 52) {
529         scoret += 2;
530     }else if (rand == 53) {
531         scoret += 2;
532     }
533     lblst.text = scoret;
534 }
535
536 cardpa.addEventListener(MouseEvent.CLICK, fl_ClickToGoToAndStopAtFrame_7);
537
538 function fl_ClickToGoToAndStopAtFrame_7(event:MouseEvent):void
539 {
540     var rand = Math.floor(Math.random() * 52)
541     cardpa.gotoAndStop(rand);
542     if (rand == 6) {
543         scoret += 10;
544     }else if (rand == 7) {
545         scoret += 10;
546     }else if (rand == 8) {
547         scoret += 10;
548     }else if (rand == 9) {
549         scoret += 10;
550     }else if (rand == 10) {
551         scoret += 10;
552     }else if (rand == 11) {
553         scoret += 10;
554     }else if (rand == 12) {
555         scoret += 10;
556
557     }else if (rand == 13) {
558         scoret += 10;
559     }else if (rand == 14) {
560         scoret += 10;
561     }else if (rand == 15) {
562         scoret += 10;
563     }else if (rand == 16) {
564         scoret += 10;
565     }else if (rand == 17) {
566         scoret += 10;
567     }else if (rand == 18) {
568         scoret += 10;
569     }else if (rand == 19) {
570         scoret += 10;
571     }else if (rand == 20) {
572         scoret += 10;
573     }else if (rand == 21) {
574         scoret += 10;
575     }else if (rand == 22) {
576         scoret += 9;
577     }else if (rand == 23) {
578         scoret += 9;
```

<https://bakerfranke.github.io/codePrint/>

```
636     }else if (randu == 55) {
637         scoret += 2;
638     }
639     lblst.text = scoret;
640 }
641
642
643 res.addEventListener(MouseEvent.CLICK, fl_ClickToGoToAndStopAtFrame_11);
644
645 function fl_ClickToGoToAndStopAtFrame_11(event:MouseEvent):void
646 {
647     gotoAndStop(3);
648 }
649
650 addEventListener(Event.ENTER_FRAME, fl_EnterFrameHandler);
651
652 function fl_EnterFrameHandler(event:Event):void
653 {
654
655     if (score > 21) {
656         lblstat.text = "Player one loses!";
657         //casho -= 1;
658     }else if (score > scoret) {
659         lblstat.text = "Player one wins!";
660         //casho += 1;
661     }
662
663     if (scoret > 21) {
664         lblstat.text = "player two loses!";
665         //casht -= 1;
666     }else if (scoret > score) {
667         lblstat.text = "Player two wins!";
668         //casht += 1;
669     }
670
671     if (scoret == score) {
672         lblstat.text = "The players have tied!";
673     }
674 }
675
676
677 elfin.addEventListener(MouseEvent.CLICK, fl_MouseClickHandler);
678
679 function fl_MouseClickHandler(event:MouseEvent):void
680 {
681     if (score > 21) {
682         lblstat.text = "Player one loses!";
683         casho -= 50;
684         casht += 100;
685     }else if (score > scoret) {
686         lblstat.text = "Player one wins!";
687         casho += 100;
688     }
689
690     if (scoret > 21) {
691         lblstat.text = "player two loses!";
692         casht -= 50;
693         casho += 100;
694     }else if (scoret > score) {
```

```
695     lblstat.text = "Player two wins!";
696     casht += 100;
697 }
698
699 if (scoret == score) {
700     lblstat.text = "The players have tied!";
701 }
702 lblco.text = casho;
703 lblct.text = casht;
704 score = 0;
705 scoret = 0;
706 cardko.gotoAndStop(1);
707 cardmo.gotoAndStop(1);
708 cardra.gotoAndStop(1);
709 cardpa.gotoAndStop(1);
710 cardma.gotoAndStop(1);
711 cardla.gotoAndStop(1);
712 }
```

Made with CodePrint using [Prism](https://bakerfranke.github.io/codePrint/)