

Android-PV-221 master

Small Phone API 28

Running Devices: Small Phone API 28

12:44

2048

Збирай 2048

512	32	4	2
128	8		
32	2		
4			

```
188 private boolean moveUp() {
189     boolean result = false;
190
191     for (int j = 0; j < N; j++) {
192         boolean wasShift;
193         do {
194             wasShift = false;
195             for (int i = 1; i < N; i++) {
196                 if (cells[i - 1][j] == 0 && cells[i][j] != 0) {
197                     cells[i - 1][j] = cells[i][j];
198                     cells[i][j] = 0;
199                     wasShift = result = true;
200                 }
201             }
202         } while (wasShift);
203
204         for (int i = 1; i < N; i++) {
205             if (cells[i - 1][j] == cells[i][j] && cells[i][j] != 0) {
206                 cells[i - 1][j] *= 2;
207                 tvCells[i - 1][j].setTag(collapseAnimation);
208
209                 for (int k = i; k < N - 1; k++) {
210                     cells[k][j] = cells[k + 1][j];
211                 }
212                 cells[N - 1][j] = 0;
213                 result = true;
214             }
215         }
216
217         return result;
218     }
219 }
220
```

Run: app

Starting: Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] cmp=itstep.learning.android\_pv\_221.MainActivity }

Open logcat panel for emulator Small Phone API 28

Connected to process 17124 on device 'Small\_Phone\_API\_28 [emulator-5554]'.

Android > app > src > main > java > itstep > learning > android\_pv\_221 > MainActivity > moveUp

191:40 LF UTF-8 4 spaces

Android-PV-221 master

Small Phone API 28 app

Running Devices Small Phone API 28

12:45 2048

Збирай 2048

512	32	4	2
128	8		
32	2		
4			

```
221 private boolean moveDown() {
222     boolean result = false;
223
224     for (int j = 0; j < N; j++)
225     {
226         boolean wasShift;
227         do {
228             wasShift = false;
229             for (int i = N - 2; i >= 0; i--) {
230                 if (cells[i + 1][j] == 0 && cells[i][j] != 0) {
231                     cells[i + 1][j] = cells[i][j];
232                     cells[i][j] = 0;
233                     wasShift = result = true;
234                 }
235             }
236         } while (wasShift);
237
238         for (int i = N - 2; i >= 0; i--) {
239             if (cells[i + 1][j] == cells[i][j] && cells[i][j] != 0) {
240                 cells[i + 1][j] *= 2;
241                 tvCells[i + 1][j].setTag(collapseAnimation);
242
243                 for (int k = i; k > 0; k--) {
244                     cells[k][j] = cells[k - 1][j];
245                 }
246                 cells[0][j] = 0;
247                 result = true;
248             }
249         }
250     }
251
252     return result;
253 }
```

Run app

Starting: Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] cmp=itstep.learning.android\_pv\_221.MainActivity }

Open logcat panel for emulator Small Phone API 28

Connected to process 17124 on device 'Small\_Phone\_API\_28 [emulator-5554]'.

Android > app > src > main > java > itstep > learning > android\_pv\_221 > GameActivity > moveUp

191:40 LF UTF-8 4 spaces