## Docker inconsistencies

Hardware floating point

## Binary-level differences

The same software can give different binary output depending on the type of hardware (e.g. ARM vs x86\_64 vs RISC)

```
> solve(matrix(c(
> solve(matrix(c(
                                  1, 3, 11, 0, -11, -15,
 1, 3, 11, 0, -11, -15,
                                                                                           -11, -15,
                                 18, 55, 209, 15, -198, -277,
18, 55, 209, 15, -198, -277,
                                                                                       15, -198, -277,
                                                                                209,
                                -23, -33, 144, 532, 259, 82,
              532,
         405, 437, -100, -285,
                                 9, 55, 405, 437, -100, -285,
                                                                                      437, -100, -285,
                                  3, -4, -111, -180, 39, 219,
     -9, 202, 346, 401, 253
                                -13, -9, 202, 346, 401, 253
                                                                             -9, 202, 346, 401, 253
), nrow=6, byrow = TRUE))[[1]]
                                 ), nrow=6, byrow = TRUE))[[1]]
                                                                      [+ ), nrow=6, byrow = TRUE))[[1]]
  2850763023
                                 [1] 2850763015
                                                                      [1] 2850763046
```

