```
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1 main =>
      chess(5,7,Z), print mat(Z).
  chess(H,W,X) =>
      X = \text{new array}(H, W),
      _{-} = [ _{-} : I in 1..H, J in 1..W, X[I,J] = (I+J) mod 2 ].
8 print mat(X) =>
      foreach(L in X), println(L) end.
```