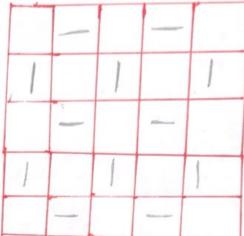


F In+ 1 rows

2n+1 columns



2) randomly choose boundary edges to delete.

Boundary rows: 0 x i for i=1,3,5,...,2n-1 (with array indexing 2n x i 11 11 starting at 0)

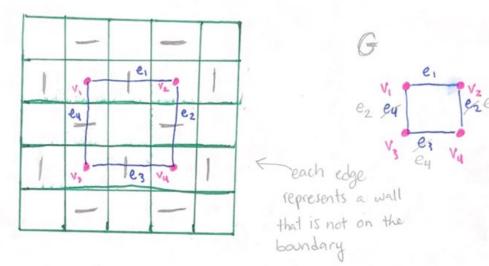
Boundary columns:  $i \times 0$  for i = 1, 3, 5, ..., 2n-1 $i \times 2n$  for i = 1, 3, 5, ..., 2n-1

3) create graph G where ...

to randomly pick one of these to remove

- (i) randomly pick add #
  between 1 and 2n-1.
  Call it i
- (ii) randomly pick # between 1 and 4. Call it case.

If case=1, remove 0xiIf case=2 remove 2nxiII case=3, II ix0II case=4, II ix2n



to create graph G

edges =  $E(G) = \{ V_1 V_2, V_2 V_3, \dots, V_{n-1} n \} \cup \{ V_1 V_2, V_2 V_3, \dots, V_{n-1} n \} \cup \{ V_1 V_2, V_2 V_3, \dots, V_{n-1} v_{n-1} v_{n-1} v_{n-1}, \dots, V_{n-1} v_{n-1}$