```
A =
    1.0000   -1.0000    0.5000         0
         0    1.0000         0         0
         0   -1.0000    0.5000         0
         0   -1.0000         0    1.0000

C =
    0    0    0
    1    0    0
    0    1    1
    0    0    0

B =
    1    0    0    0
    0    1    0    0
    0    0    1    0
    0    0    0    1

double column 1
    2    0    0    0
    0    1    0    0
    0    0    1    0
    0    0    0    1

halve row 3
    2.0000         0         0         0
         0    1.0000         0         0
         0         0    0.5000         0
         0         0         0    1.0000

add row 3 to row 1
    2.0000         0    0.5000         0
         0    1.0000         0         0
         0         0    0.5000         0
         0         0         0    1.0000

interchange columns 1 and 4
         0         0    0.5000    2.0000
         0    1.0000         0         0
         0         0    0.5000         0
    1.0000         0         0         0

subtract row 2 from each of the other rows
         0   -1.0000    0.5000    2.0000
         0    1.0000         0         0
         0   -1.0000    0.5000         0
    1.0000   -1.0000         0         0

replace column 4 by column 3
         0   -1.0000    0.5000    0.5000
         0    1.0000         0         0
         0   -1.0000    0.5000    0.5000
    1.0000   -1.0000         0         0

delete column 1
   -1.0000    0.5000    0.5000
    1.0000         0         0
   -1.0000    0.5000    0.5000
```

```
   -1.0000         0         0

ABC =
   -1.0000    0.5000    0.5000
    1.0000         0         0
   -1.0000    0.5000    0.5000
   -1.0000         0         0

>>
```