1

```
MultiplyAndSkip←{⍵+⍺×⍳7}
```

2

```
Mat1←{2 3⍴⍳6}
Mat2←{¯2+2 3⍴⍳6}
Mat3←{3 2⍴-⍳6}
```

3

```
F←{⍺;⍵}
G←{⍵,⍵}
```

4

```
ToVector ← {,⍵}
```

5

```
Sum2ndLast ← {+/[¯1+⍴⍴⍵]⍵}
Sum2ndLast ← {+⌿[¯1+⍴⍴⍵]⍵}
```

6

```
DropRandRows ← {(?(⍴⍵)[1])↓⍵}
DropRandRows ← {⍵↓⍨?⊃⍴⍵}
```

7

```
PickRandCols ← {((1↑s),?1↓s←⍴⍵)↑⍵} 2 5⍴⍳10


⍝ Fitting the problem description

mat ← 10 4⍴⍳12
   {1↓⍴⍵} mat
```

8

```
RIota ← {⍵-¯1+⍳⍵}
RIota ← {⌽⍳⍵}
```

9

```
Reverse ← {⍵[RIota ⍴⍵]}
```

10

```
ColumnsSurpass ← {(⍺<+⌿⍵)/⍵}
ColumnsSurpass ← {⍵[;{⍵/⍳⍴⍵}⍺<+⌿⍵]}
ColumnsSurpass ← {⍵[;h/⍳⍴h←⍺<+⌿⍵]}
```

11

```
Range ← {(⌈/⍵)-⌊/⍵}
Range ← {⌈/⍵-⌊/⍵}
```

12

```
{(∨/(⍴⍵)⍴(⌈/,⍵)=,⍵)⌿⍵}   ⍝ Rows containing the largest nu
mber in the whole matrix

MaxRangeRow ← {(r=⌈/r←{(⌈/⍵)-⌊/⍵}⍵)⌿⍵}
```

13

```
IsInteger ← {0=1|⍵}
IsInteger ← {⍵=⌈⍵}
IsInteger ← {⍵=⌊⍵}
```

14

```
TopDown←{
    ⍵[⍒⌈/⍵;]
}

Sort ← {(⊂⍋⍵)⌷⍵}
```

15

```
RemoveFrom ← {⍵≠⍨~⍵∈⍺}
RemoveFrom ← {⍵~⍺}
```

16

```
RemoveExtra ← {⍵~⍵⊃⍨⊃⍒+≠⍵∘.=⍵←∪⍵}
RemoveExtra ← {(⍵≠(c=⌈/c←+≠⍵∘.=u)≠u←∪⍵)≠⍵}
```

17

```
TimesTable ← {(⍳⍵)∘.×⍳⍵}
TimesTable ← {∘.×⍨⍳⍵}
```

18

```
      {⍋⍵} 3 1 4 1 5
2 4 1 3 5
      {(⍋⍵)≡⍳⍴⍵} 3 1 4 1 5
0
      {(⍋⍵)} Sort 3 1 4 1 5
1 2 3 4 5
      {(⍋⍵)≡⍳⍴⍵} Sort 3 1 4 1 5
1

      Sort ← {(⊂⍋⍵)⌷⍵}
      {Sort ⍵} 3 1 4 1 5
1 1 3 4 5
      {⍵≡Sort ⍵} 3 1 4 1 5
0
      {⍵≡Sort ⍵} Sort 3 1 4 1 5
1

      Where←{⍵/⍳⍴⍵}
      'hello'{(⍺∈⍵)/⍳⍴⍺}'l'
```

19

```
AnyCopies ← {∨/1<+⌿⍵∘.=∪⍵}
```

20

```
      ]display {∨\' '=⍵} '     poof    '
┌→──────────────────────┐
│1 1 1 1 1 1 1 1 1 1 1 1│
└~──────────────────────┘
      ]display {∨\' '=⍵} '2342141     poof    '
┌→──────────────────────────────────────┐
│0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1│
└~──────────────────────────────────────┘
      ]display {(~∧\' '=⍵)/⍵} '     poof    '
┌→────────┐
│poof     │
└─────────┘
```

21

```
KeepOnly ← {⍺≠¨⍺∈⍵}
```

22

```
HasElements←{~0∊ρω}
```

23

```
Overlaps ← {∨/α∊ω}
Overlaps ← {∨/ω∊α}
```

24

```
OfLength ← {α≠⍤¨ω=+/α≠' '}
```

25

```
Explode ← {(⍳ω)/⍳ω}
```

26

```
NoFizzBuzz ← {ω≠⍤¨~∨≠0=3 5∘.|ω}
```

27

```
CentredIn ← {r⌽⍤¨-⌈0.5×+/' '=r←ω↑α}
CentredIn ← {r⌽⍤¨-⌊0.5×+/' '=r←ω↑α}
```