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# **Blanks**

## Initial

```
(assert (and

))
  (check-sat)
  (get-value (
```

# FORALL (steps)

## EXISTS (steps)

#### **DISTINCT ROWS**

#### **DISTINCT COLS**

```
(declare-fun M (Int Int) Int)
(forall ((c Int))
    (=>
          (<= 1 c 5)
          (distinct (M 1 c) (M 2 c) (M 3 c) (M 4 c) (M 5 c))
)</pre>
```

### ALL VALUES ARE FROM x TO y

#### COUNT ONE PER ROW

### COUNT ONE PER COL