

Pensieve Header: A very simple - minded permutation calculator for MAT1100.

```
Unprotect[And];
p1_Integer && p2_Integer := Module[
  {s1, s2},
  s1 = IntegerDigits[Abs[p1]];
  If[p1 < 0, s1 = Ordering[s1]];
  s2 = IntegerDigits[Abs[p2]];
  If[p2 < 0, s2 = Ordering[s2]];
  FromDigits[s1[[s2]]]
];
Protect[And];

2314 && 2143

3241

-2314 && 2143

1342

3124 && 1342

3241

54!

230 843 697 339 241 380 472 092 742 683 027 581 083 278 564 571 807 941 132 288 000 000 000 000
```