

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];
s1 = 2314; s2 = 2143;
s12 = s1
2314
s13 = s12 && s12
3124
s13 && s12
1234
s12 && s13
1234
s13 && s13
2314
-s12 && 2314
1234
-s12 && s2
1342
-4132 && 4123
1243
```