1. Start: calculates $x^3 + (-1)x^2y + (-1)x^2z + x \div$
   - $x^2y + (-1)z$,
   - $xy + (-1)$,

   .
2. Remainder: x^3 moved to remainder.
3. Division: $x^2y + (-1)z$ divides stock. stock is $(-1)x^2z + x + (-1)z$.
4. Remainder: $(-1)x^2z$ moved to remainder.
5. Remainder: x moved to remainder.
6. Remainder: $(-1)z$ moved to remainder.
7. Completed: quotients are
   - (-1),
   - 0,

   . remainder is $x^3 + (-1)x^2z + x + (-1)z$. ■

1. Start: calculates $x^3 + (-1)x^2y + (-1)x^2z + x \div$
   - $xy + (-1)$,
   - $x^2y + (-1)z$,

   .
2. Remainder: x^3 moved to remainder.
3. Division: $xy + (-1)$ divides stock. stock is $(-1)x^2z$.
4. Remainder: $(-1)x^2z$ moved to remainder.
5. Completed: quotients are
   - $(-1)x$,
   - 0,

   . remainder is $x^3 + (-1)x^2z$. ■