

6

$$6 \bmod 2 = 0$$

$$6 \operatorname{div} 2 = 3$$

$$3 \bmod 2 = 1$$

$$3 \operatorname{div} 2 = 1$$

$$1 \bmod 2 = 1$$

$$1 \operatorname{div} 2 = 0$$

$= 110$