# Z Examples Found on the Internet

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# 1 Introduction

### 1.1 Z section heading

section gearsystem parents  $standard\_toolkit$ 

### 1.2 Free types paragraph

$$gearing ::= Single \mid Hub \langle \langle \mathbb{N} \rangle \rangle \mid Derailleurs \langle \langle \mathbb{N} \times \mathbb{N} \rangle \rangle$$

### 1.3 Horizontal definition paragraph

 $Wellgeared == [gears : gearing \mid gears \in ran \ Derailleurs]$ 

#### 1.4 Generic axiomatic description paragraph

#### 1.5 Schema definition paragraph

# 1.6 Generic schema definition paragraph

# 1.7 Axiomatic description paragraph

# 1.8 Conjecture paragraph

Lemma1 ==

 $\vdash$ ? numgears(Derailleurs(3,7)) = 21