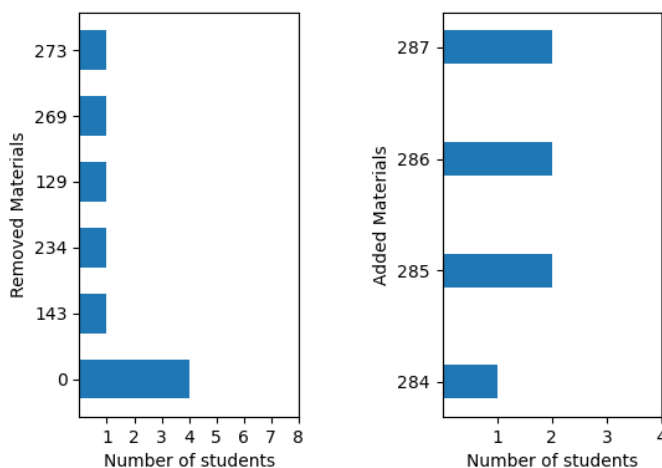# Changes on material covered concepts for each student

Total students: 24
Students with modified materials: 5

Overview

Students with modified materials

Student: 1

Fitness before:	5.379310344827587
Fitness now:	0.0
Modified materials:	1
Material ID:	0
Added concepts:	[3, 16, 24]
Removed concepts:	[]

Student: 5

Fitness before:	2.1111111111111116
Fitness now:	0.0
Modified materials:	3
Material ID:	0
Added concepts:	[1]
Removed concepts:	[]

Material ID:	143
Added concepts:	[]
Removed concepts:	[1]
Material ID:	234
Added concepts:	[]
Removed concepts:	[20]

Student: 12

Fitness before:	1.9310344827586226
Fitness now:	0.0
Modified materials:	1
Material ID:	0
Added concepts:	[7]
Removed concepts:	[]

Student: 14

Fitness before:	1.9047619047619058
Fitness now:	0.0
Modified materials:	1
Material ID:	0
Added concepts:	[7]
Removed concepts:	[]

Student: 23

Fitness before:	3.1111111111111116
Fitness now:	0.0
Modified materials:	3
Material ID:	129
Added concepts:	[]
Removed concepts:	[1]
Material ID:	269
Added concepts:	[]
Removed concepts:	[20]
Material ID:	273
Added concepts:	[1]
Removed concepts:	[]