



Problem of the Week

Problem D

The Elevator

There are six people in an elevator. The sum of all six of their ages is 190 and the median age is 22. From youngest to oldest, the names of the people in the elevator are Ashish, Brook, Calista, Dipak, Enid, and Freyja.

The elevator stops and Ashish and Enid get off. The mean (average) age of the remaining four people in the elevator is then 30. The elevator then stops again and Brook and Calista get off. The mean age of the remaining two people in the elevator is then 40.

If Ashish is 18 years old, and each person's age is a different positive integer, how old is Freyja?

