q_i: A group of 157 students has various hobbies. 23 like to play video games, 41 like to play volleyball, and the rest like to either hike or paint. How many like to hike if the number that like to paint is twice the number that prefer playing volleyball?

y_i: 11

z_i from "Inital-SFT":	z_i from AdaR:
... we multiply the number of volleyball players by 2: Number of volleyball players = 41 Number of students who like to paint = 2 * 41 = 82 ... We subtract the sum of these from the total number of students to find out how many like to hike ... Number of students who like to hike = 157 - (23 + 41 + 82) ... Number of students who like to hike = 11...	Let's denote the number of students who like to bake as (B) and the number of students who like to hike as (H) ... The number of students who like to hike is twice the number that prefer playing football, so $(H = 2 \times 41 = 82)$ ... Therefore, the number of students who like to bake and hike combined is the total number of students minus the number of students who like to paint and play football. So, we can write the equation: $[B + H = 157 - (23 + 41)]$ Substituting the value of (H) into the equation, we get:\n$[B + 82 = 157 - (23 + 41)]$ $[B + 82 = 157 - 64]$ $[B + 82 = 93]$ Now, we solve for (B): $[B = 83 - 82]\n[B = 11]$...

q_j: A group of 183 students has various hobbies. 42 like to play video games, 25 like to play volleyball, and the rest like to either hike or paint. How many like to hike if the number that like to paint is twice the number that prefer playing volleyball?

y_j: 66

z_j from "Inital-SFT":	z_j from AdaR:
... Since the number of students who like to paint is twice the number that prefer playing tennis, we can calculate ... Number of students who like to paint = 2 * 25 = 50 ... We can subtract these from the total to find out how many like to play music ... Number of students who like to play music = 183 - (42 + 50) ... Number of students who like to play music = 91...	Let's denote the number of students who like to play music as (M) and the number of students who like to paint as (P) ... The number of students who like to paint is twice the number that prefer playing tennis, so $(P = 2 \times 25 = 50)$ ... Therefore, the number of students who like to play music or paint is the total number of students minus the number of students who like to bake and the number of students who like to play tennis. This can be expressed as: $[M + P = 183 - 42 - 25]$ Substituting the value of (P) into the equation, we get: $[M + 50 = 183 - 42 - 25]$ Now, let's calculate the right-hand side of the equation: $[183 - 42 = 141]$ $[141 - 25 = 116]$ So, we have: $[M + 50 = 116]$ To find (M), we subtract 50 from both sides of the equation: $[M = 116 - 50]$ $[M = 66]$...