You are going to invest $10,000 in AAA-rated bonds, AA-rates bonds, and B-rated bonds and want an annual return of $730. The average yields are 6% on AAA bonds, 7.5% on AA bonds, and 9.5% on B bonds. You will invest twice as much in AAA bonds as in B bonds. Your investment can be represented as

X + y + z = 10,000

$0.06x$ + $0.075y$ + $0.095z$ = 730

X $- 2z$ = 0

Where x,y, and z represent the amounts invested in AAA, AA, and B bonds, respectively. Solve the system of equations.