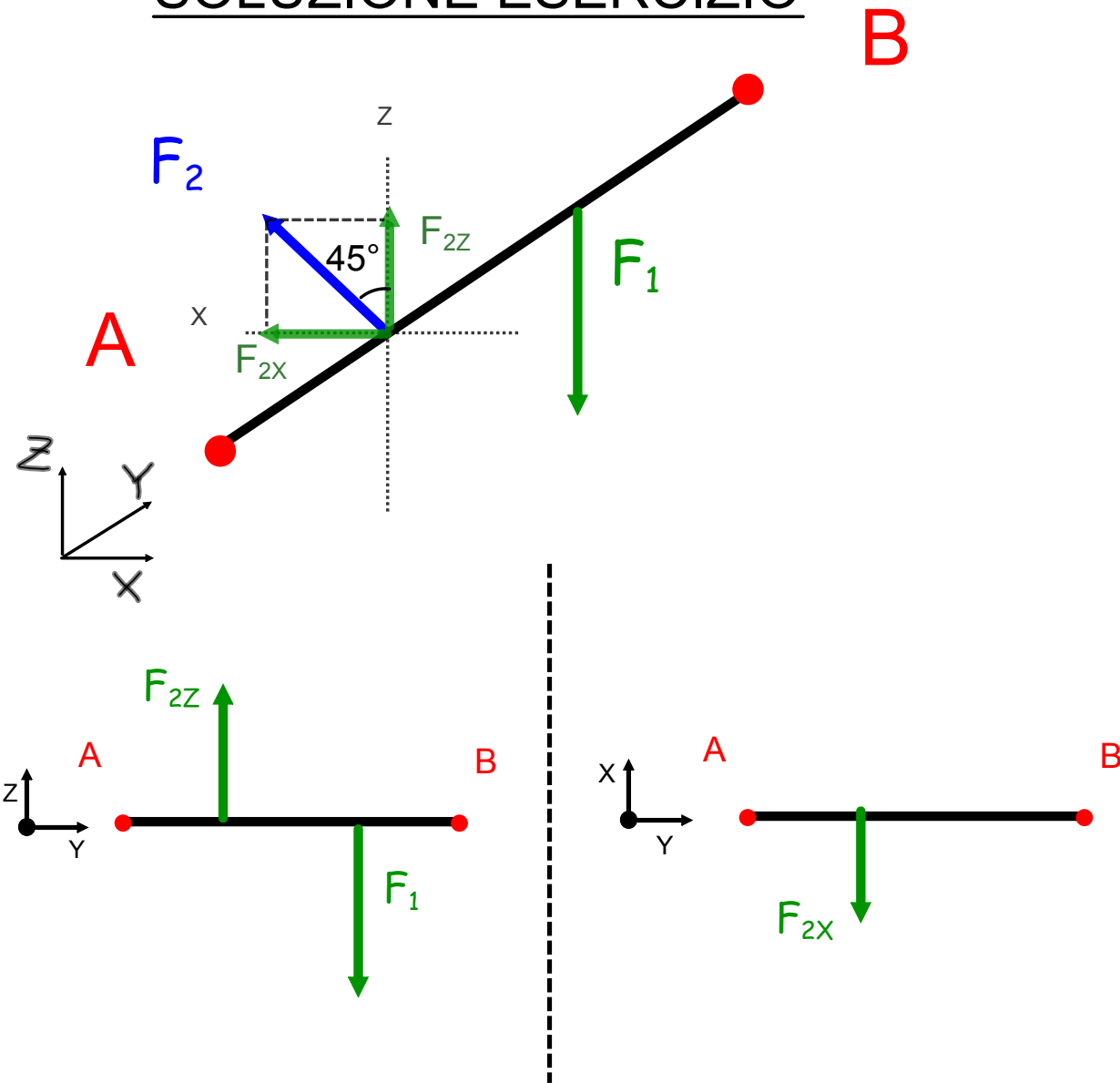
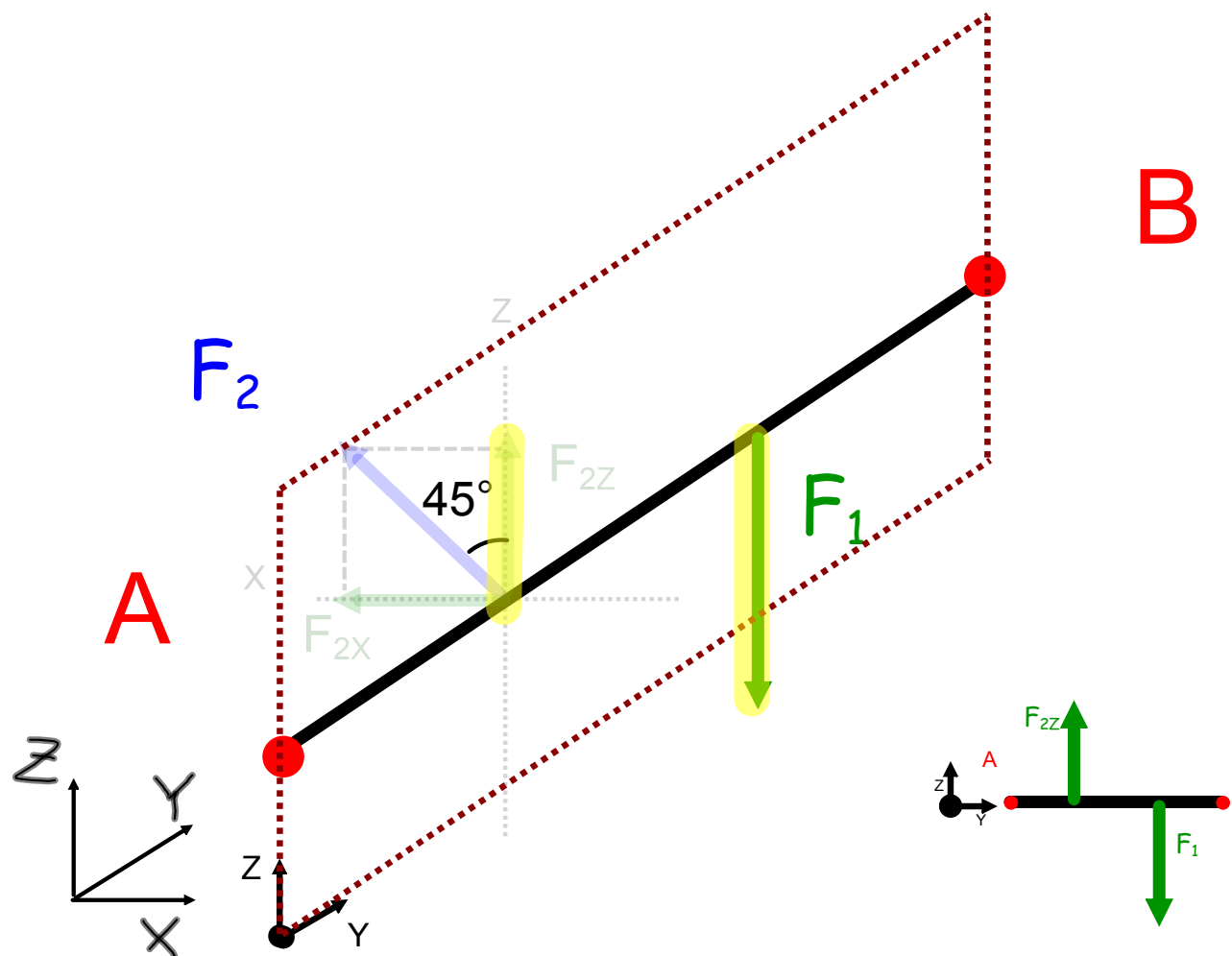


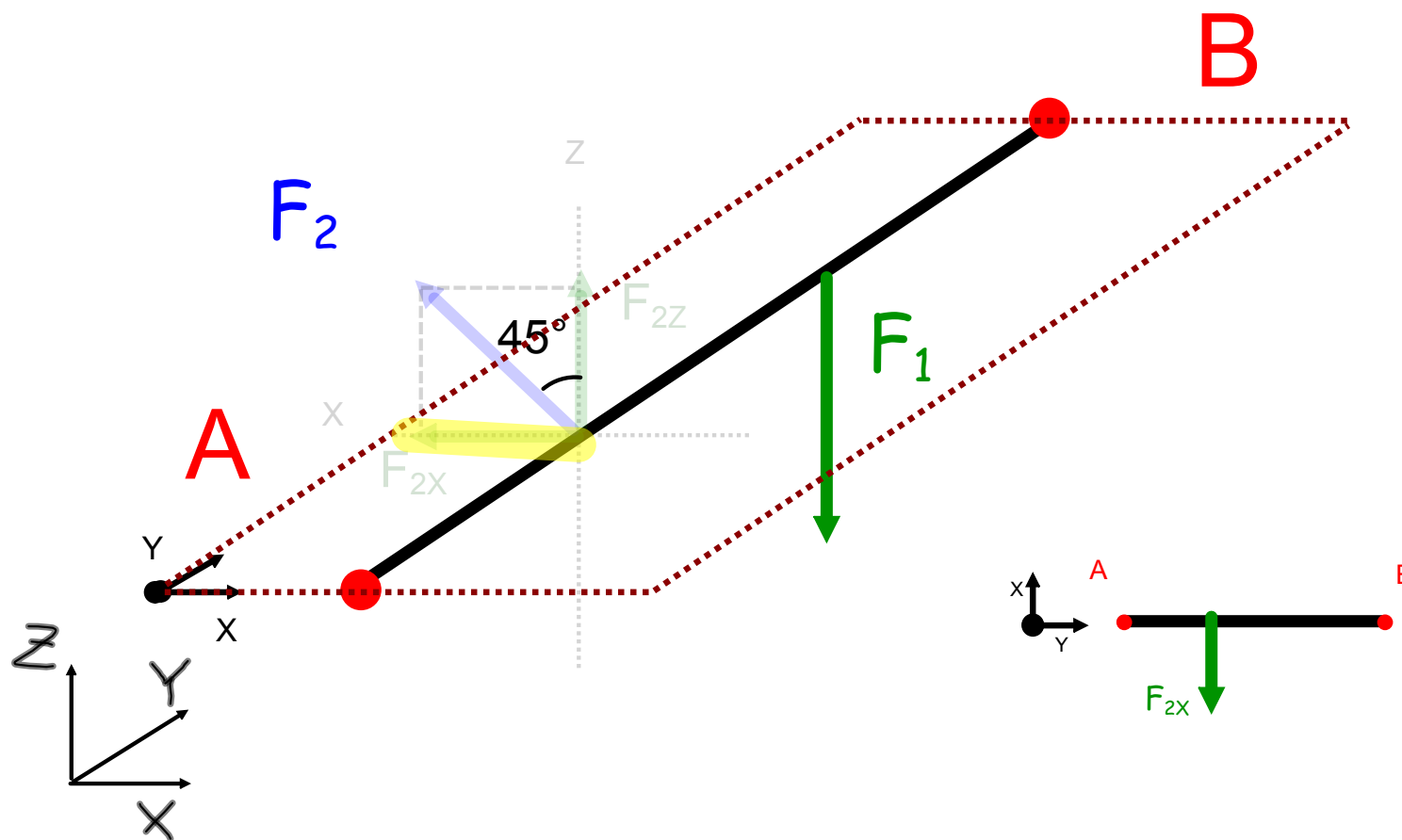
# SOLUZIONE ESERCIZIO



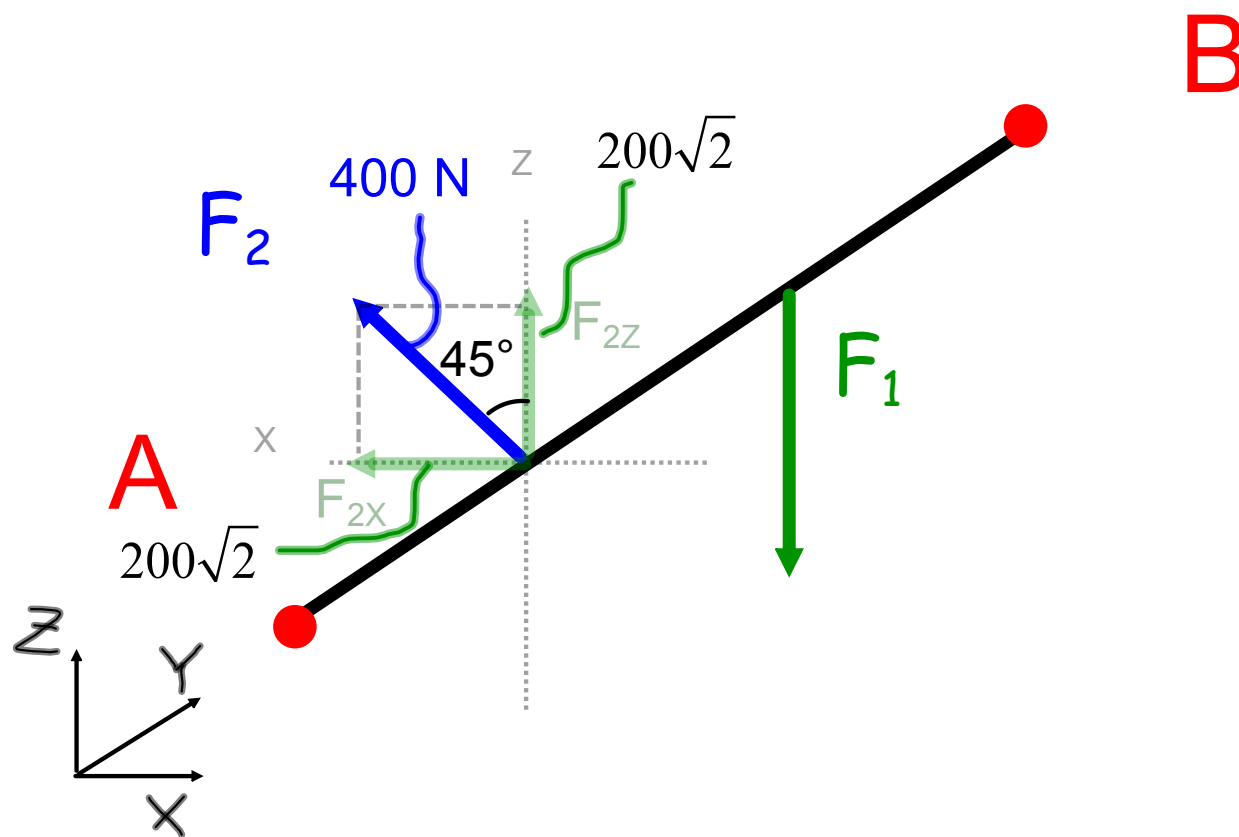
# 1) ANALISI PIANO (Z,Y)



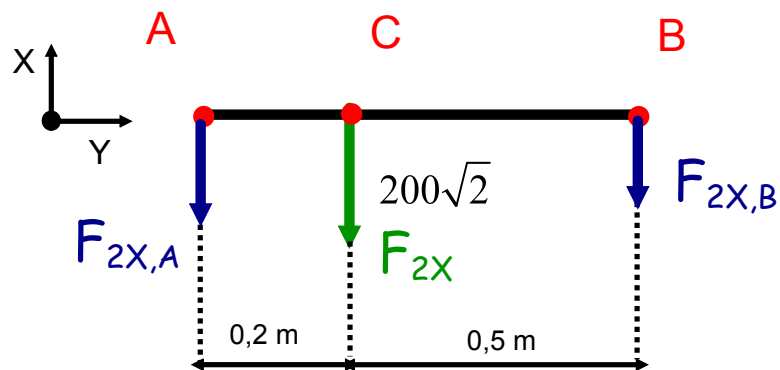
## 2) ANALISI PIANO (X,Y)



# CALCOLO DELLE FORZE $F_{2x}$ E $F_{2z}$



## 2) CALCOLO PIANO (X,Y)



$$F_{2X,A} : F_{2X,B} = CB : AC$$

PROBLEMA: 1 EQUAZIONE MA 2 INCOGNITE ( $F_{2X,A}$  E  $F_{2X,B}$ )

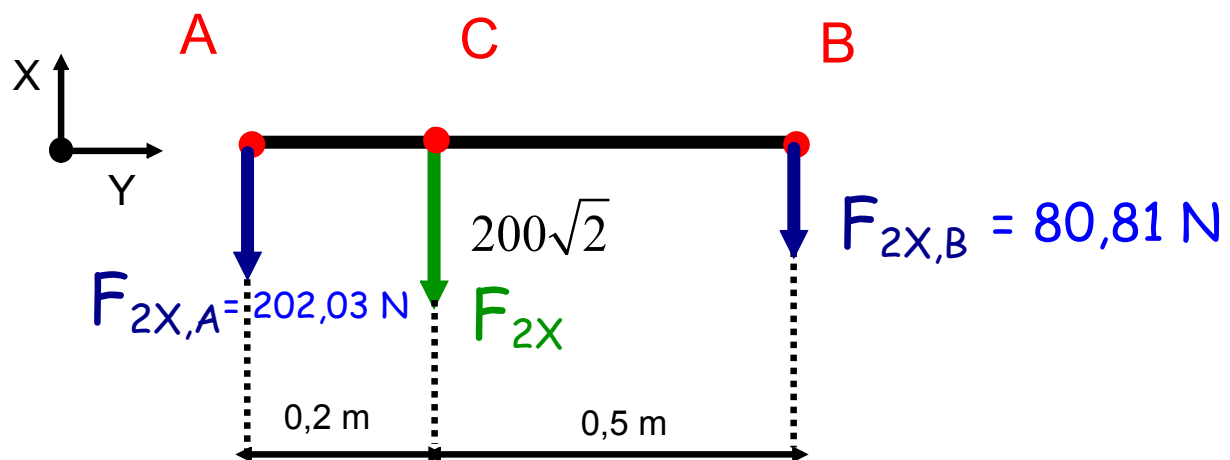
$$\begin{cases} \blacklozenge R = F_{2X,A} + F_{2X,B} \\ \blacklozenge x = F_{2X,A} \end{cases}$$

soluzione: si esplicitano le forze utilizzando la risultante

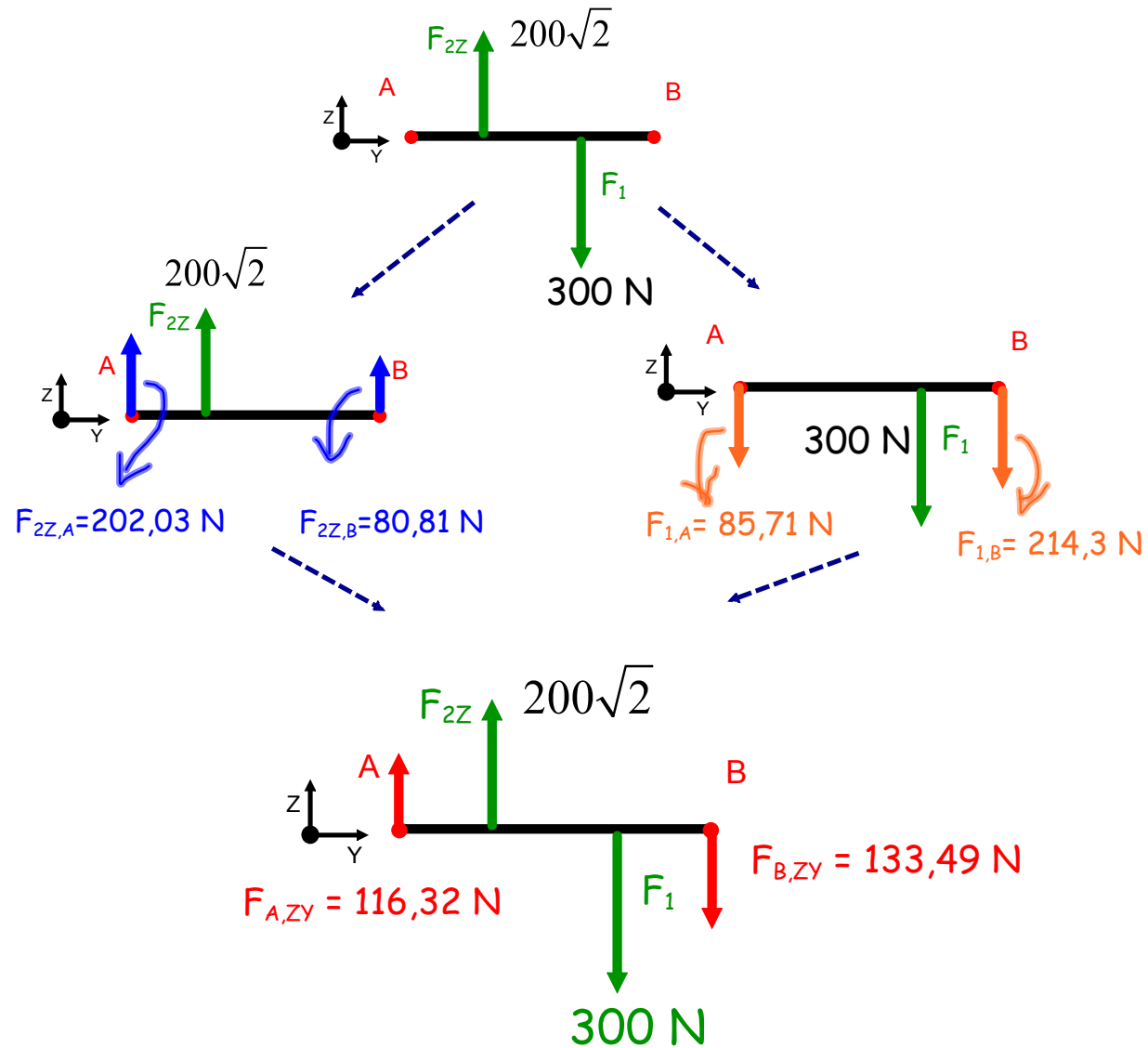
$$\begin{cases} \blacklozenge R = x + F_{2X,B} \\ \blacklozenge x = F_{2X,A} \end{cases}$$

$$\begin{cases} \blacklozenge F_{2X,B} = R - x \\ \blacklozenge F_{2X,A} = x \end{cases} \longrightarrow \begin{cases} \blacklozenge F_{2X,B} = 200\sqrt{2} - x \\ \blacklozenge F_{2X,A} = x \end{cases}$$

$$\underline{x} : \underline{200\sqrt{2} - x} = \underline{CB} : \underline{AC} \quad \text{risolvendo il sistema risulta:} \begin{cases} \blacklozenge F_{2X,A} = 202,03N \\ \blacklozenge F_{2X,B} = 80,81N \end{cases}$$



# 1) ANALISI PIANO (Z,Y)



# RIASSUNTO

