

Fig 4.2 Population pyramids for different countries

Worked example

Dependency ratio

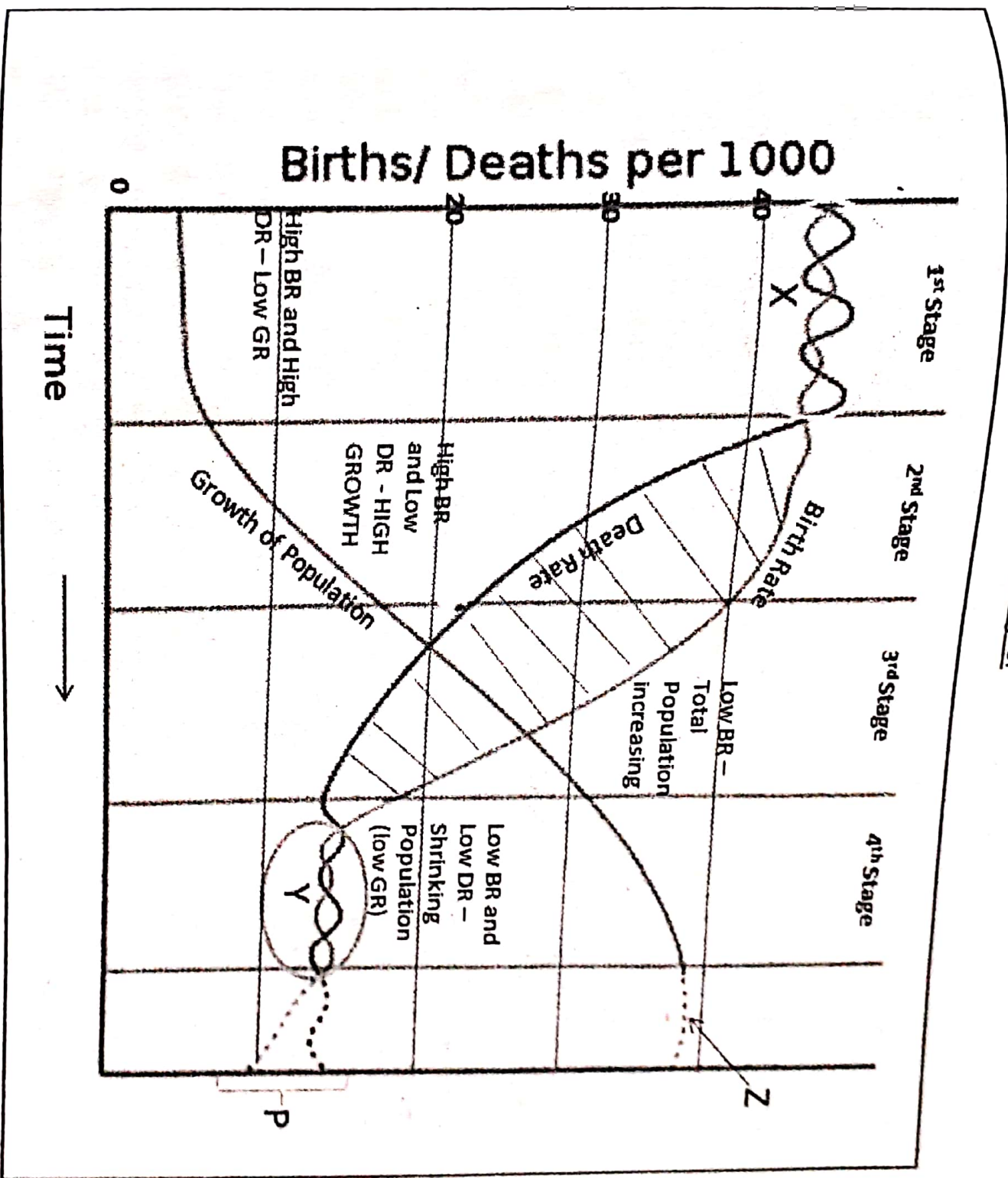
For Angola, the total population is 11 827 315, the population under 15 is 5 133 054 and the population over 60 is 354 819.

$$\begin{aligned}
 \text{Dependency ratio} &= \frac{\text{Number of children under 15} + \text{adults over 60}}{\text{Adults 15 to 59}} \times 100 \\
 &= \frac{5\,133\,054 + 354\,819}{6\,339\,442^*} \times 100 \\
 &= 86,57
 \end{aligned}$$

(* Note: Add up under 15 and over 60, and subtract from total population.)

This tells us that in Angola, for every 100 people working, there are 86,6 people dependent on them. This is a very high dependency ratio and is not good for a country's economic future.

The Demographic Transition Model has 4 basic stages:



NOTE: Such models do not take into account migration statistics. They involve only natural processes such as birth rates and death rates.