BOLTON ANALYSIS

CASE #1

Sum of 6 MD Anterior Teeth 36 mm.
Sum of 6 MX Anterior Teeth 52 mm.

$$\frac{\text{6 MD Teeth } 36 \text{ mm.}}{\text{6 MX Teeth } 52 \text{ mm.}} \times 100\% = 69.2\%$$

Mean Value 77.2%
If Anterior Ratio is Less Than 77.2%
MX 6 Anterior Teeth are Excessive

Therefore assume 6 MD anterior teeth are normal.
Actual Width MD 6 Anterior Teeth 36 mm.
Ideal Width MX 6 Anterior Teeth 46.7 mm. (According to Tables)

Actual Width MX 6 Anterior Teeth 52.0 mm.
Ideal Width MX 6 Anterior Teeth 46.7 mm.
Difference 5.3 mm. (Excessive)

CASE #2

Width MD 6 Anterior Teeth 41.5 mm.
Width MX 6 Anterior Teeth 48.0 mm.

$$\frac{\text{6 MD Teeth } 41.5 \text{ mm.}}{\text{6 MX Teeth } 48.0 \text{ mm.}} \times 100\% = 86.4\%$$

Mean Value 77.2%
If anterior ratio is more than 77.2%
MD 6 anterior teeth are excessive

Therefore, assume 6 MX anterior teeth are normal.
Actual Width MX 6 Anterior Teeth 48.0 mm.
Ideal Width MD 6 Anterior Teeth 37.0 mm. (According to Tables)

Actual Width MD 6 Anterior Teeth 41.5 mm.
Ideal Width MD 6 Anterior Teeth 37.0 mm.
Difference 4.5 mm. (Excessive)