ii. 
$$\beta_{21772} = 0.8(1) + 0.8(1) = 1.6$$

The results differ from a(i) b/c X, & X3 sever any impact

X2 has on Y

$$\hat{Y} = X, \beta, + X_2\beta_2 + X_3\beta_3$$

$$\Rightarrow \beta, = -1.49, \beta_2 = 2.19, \beta_3 = -1.62$$

Model 
$$\hat{Y} = X_2\beta_2$$

$$\Rightarrow \beta_2 = 0.65$$

$$=\beta_1 = -1.49$$
  $\beta_2 = 1.69$ 

Model 
$$\hat{Y} = X_2 \beta_2 + X_3 \beta_3$$

$$\Rightarrow \beta_2 = 1.15 \qquad \beta_3 = -1.03$$