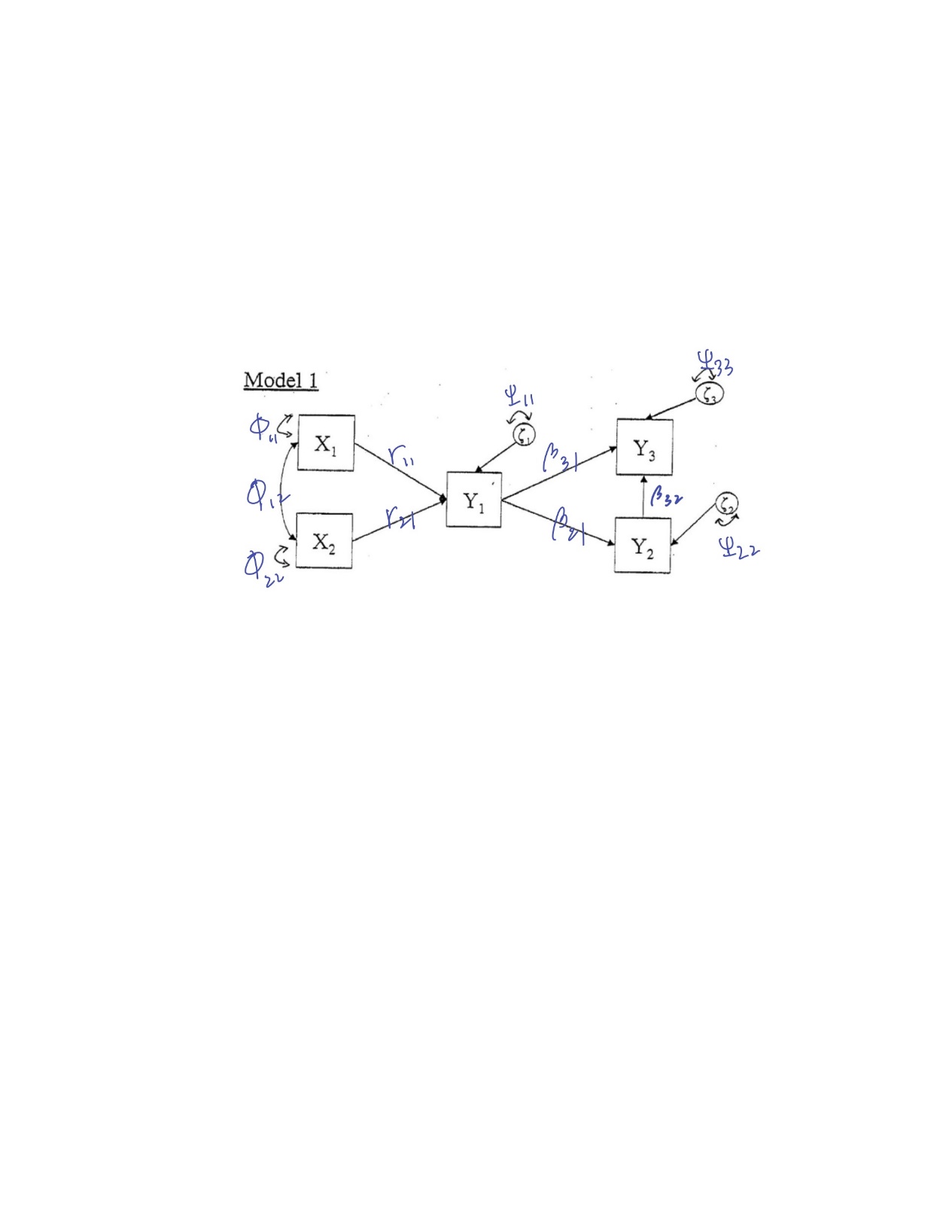


Degree of freedom = [(p+q)(p+q+1)]/2 -total r (r=parameter of model)



Degree of freedom =15-11=4

=

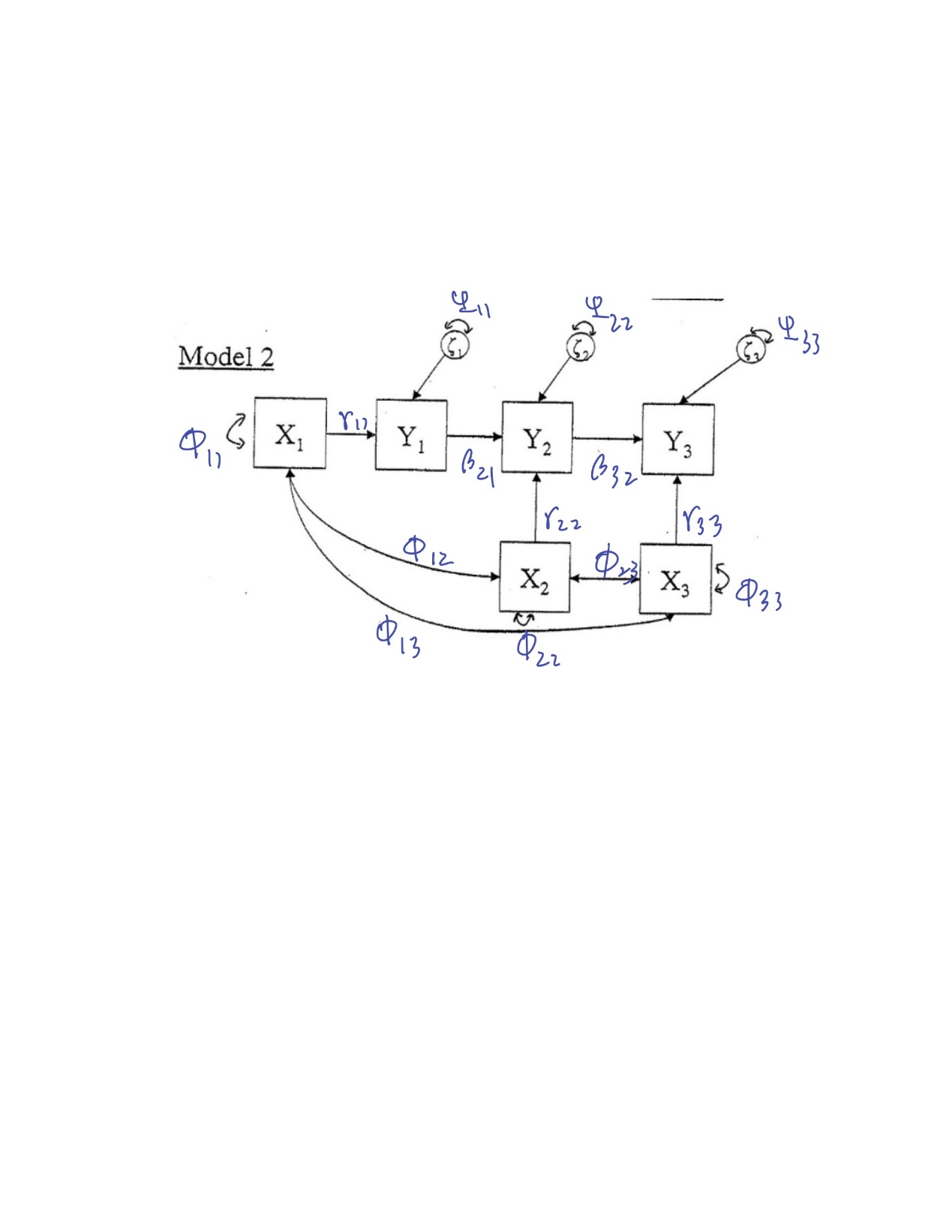
Y1 on X1 X2;

Y2 on Y1;

Y3 on Y1 Y2;

X1 with X2;

X1;X2;Y1;Y2;Y3;



Degree of freedom = 7

Y1 on X1;

Y2 on Y1 X2;

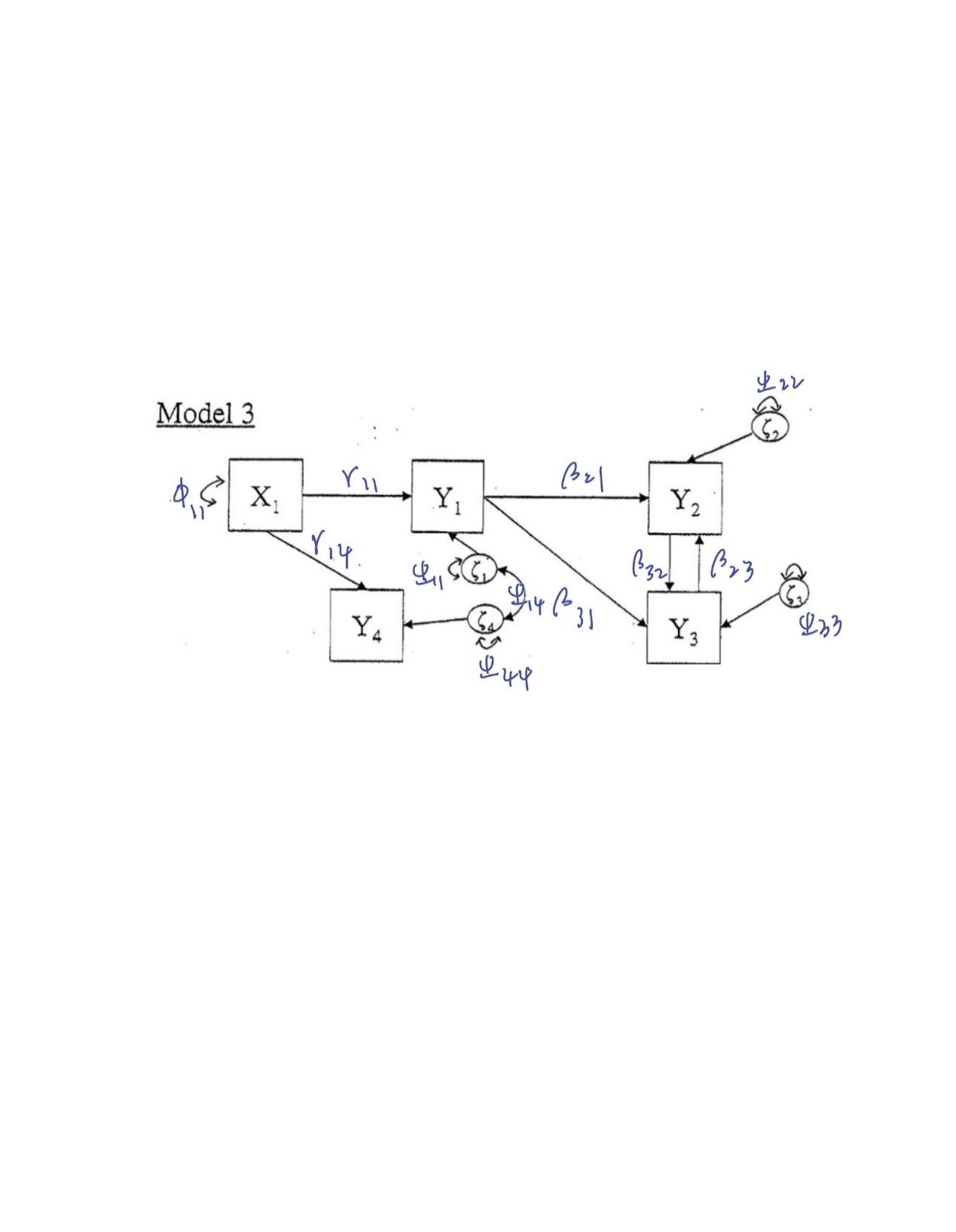
Y3 on X3;

X1 with X2

X2 with X3

X1 with X3

X1;X2;X3;Y1;Y2;Y3;



Y1 on X1;

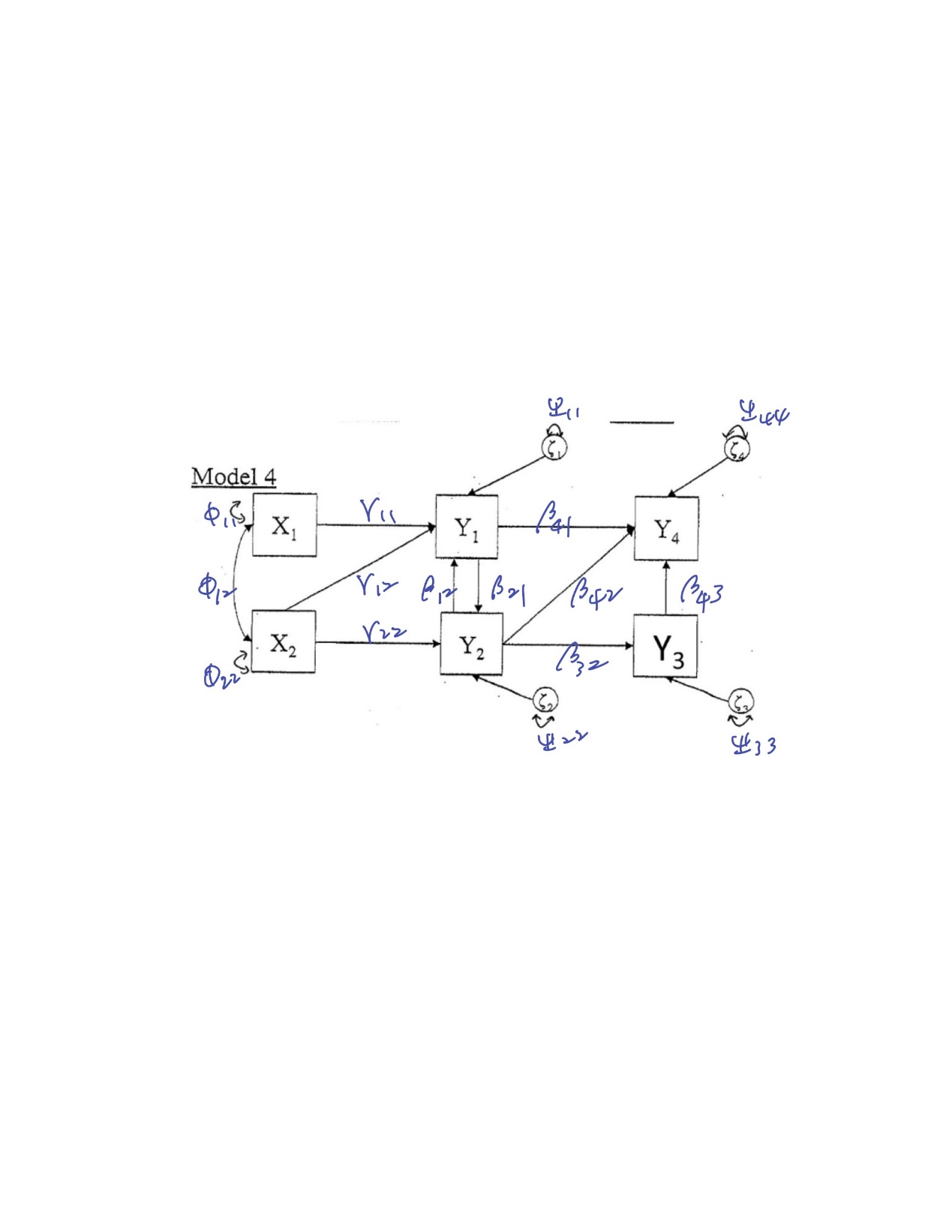
Y2 on Y1 Y3;

Y3 on Y1 Y2;

Y4 on X1

X1;Y1;Y2;Y3;Y4;

Degree of freedom = 3



Y1 on X1 X2 Y2 ;

Y2 on X2 Y1 ;

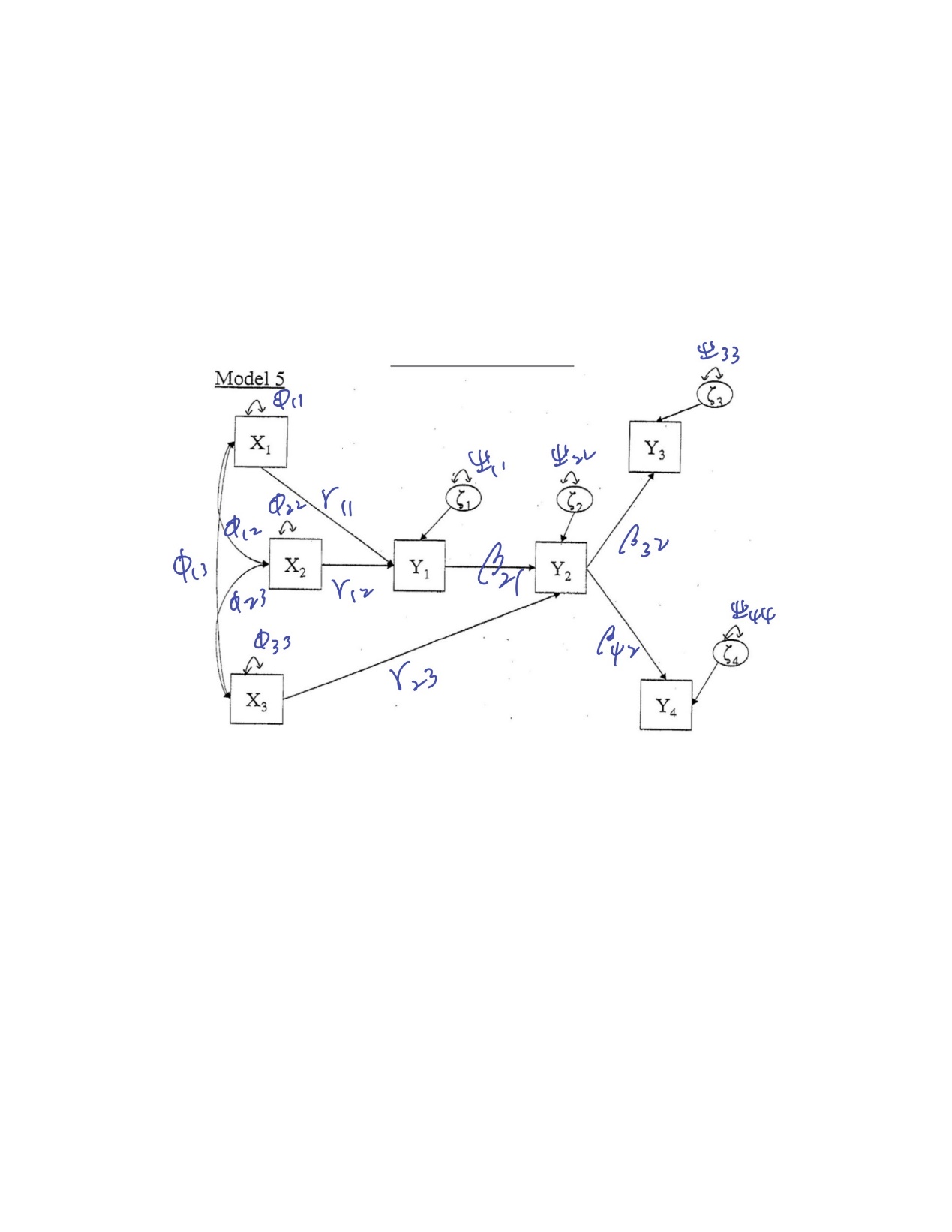
Y3 on Y2;

Y4 on Y1 Y2 Y3;

X1 with X2;

X1;X2;Y1;Y2;Y3;Y4;

Degree of freedom = 5



Y1 on X1 X2;

Y2 on Y1 X3;

Y3 on Y2;

Y4 on Y2;

X1 with X2;

X2 with X3;

X1 with X3;

X1;X2;X3;Y1;Y2;Y3;Y4;

Degree of freedom = 12