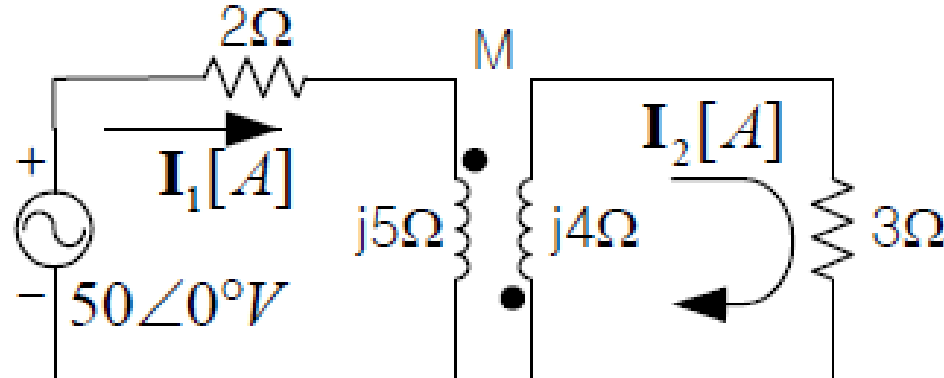

E5. 교류회로의 보충해석

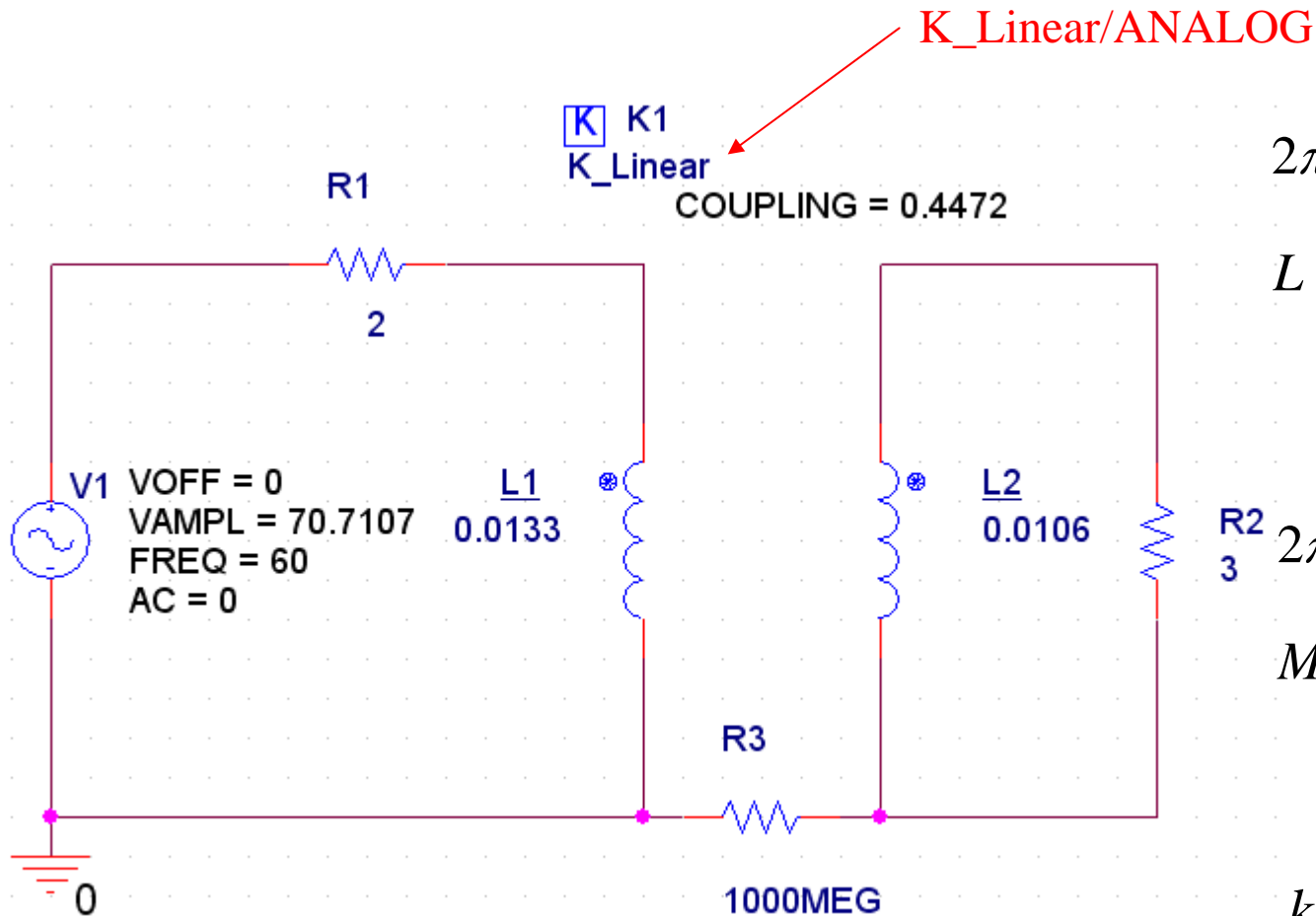
숙제

- 1) 예제 9-4를 풀어라.
- 2) Simulation을 통해 \mathbf{I}_1 과 \mathbf{I}_2 의 실효값을 확인하고, 전원전압과 \mathbf{I}_2 의 그래프를 비교하라.

[예제 9-4] 그림 9-5에서 $\omega M = 2[\Omega]$ 일 때 회로의 구동점 임피던스 $[\Omega]$ 를 구하시오.



숙제1: 회로



$$2\pi fL = X_L \quad f=60\text{Hz}$$

$$L = \frac{X_L}{2\pi f} \quad L_1=0.0133\text{H}$$

$$L_2=0.0106\text{H}$$

$$2\pi fM = X_M \quad f=60\text{Hz}$$

$$M = \frac{X_M}{2\pi f} \quad M=0.0053\text{H}$$

$$k = \frac{M}{\sqrt{L_1 L_2}} \quad k=0.4472$$

숙제1: 회로

K_Linear/ANALOG의 property 창

Start Page E5_1* PAGE1* SCHEMATI...*

New Property... Apply Display... Delete Property Pivot Filter by: < Current properties > Help

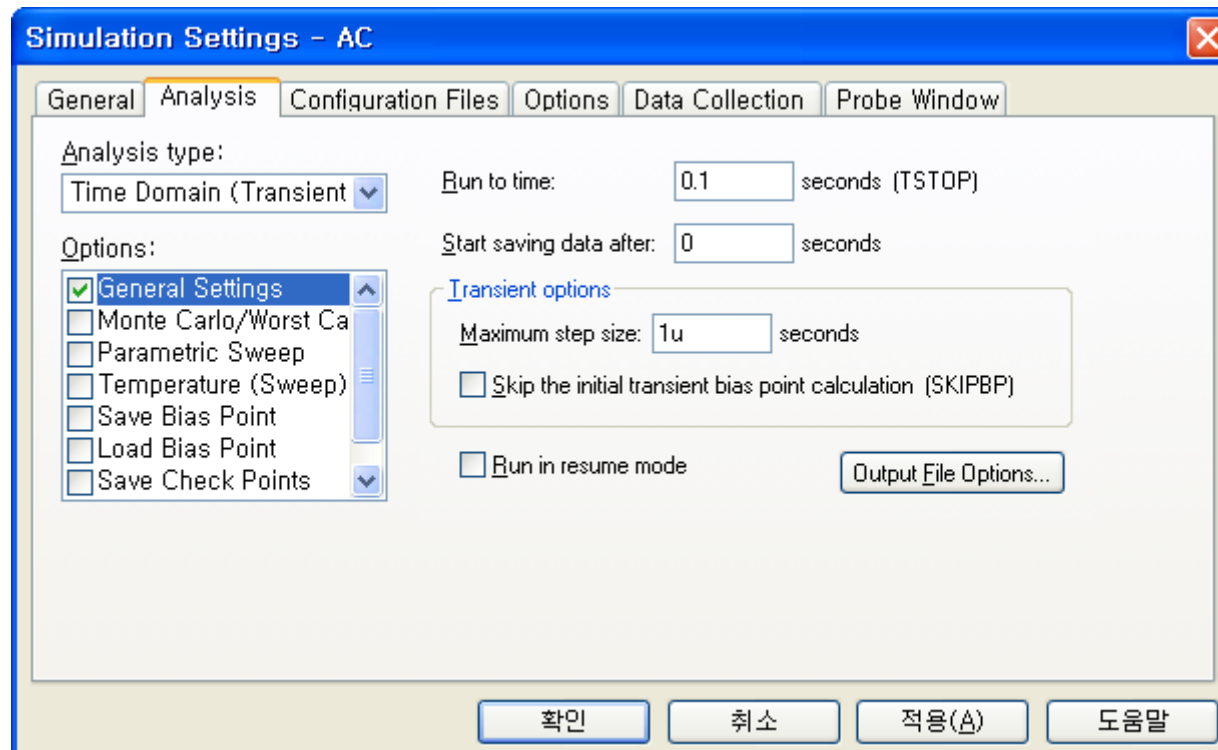
		Color	COUPLING	Designator	Graphic	ID	Implementation	Imp
1	SCHEMATIC1 : PAGE1	Default	0.4472		K_Linear.Normal			

Start Page E5_1* PAGE1 SCHEMATI...

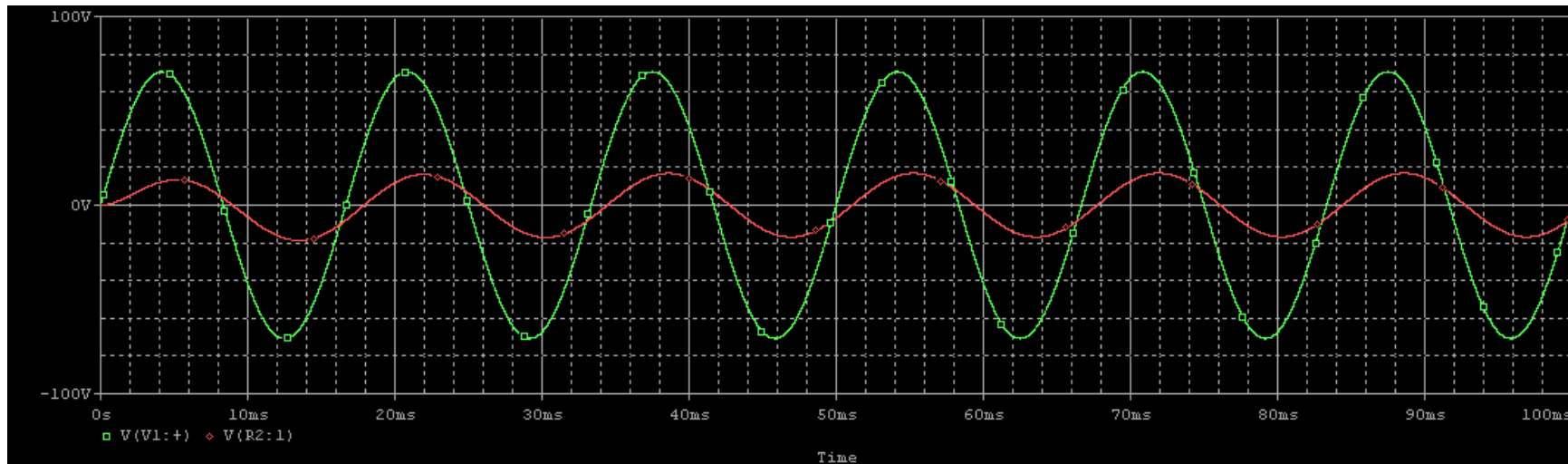
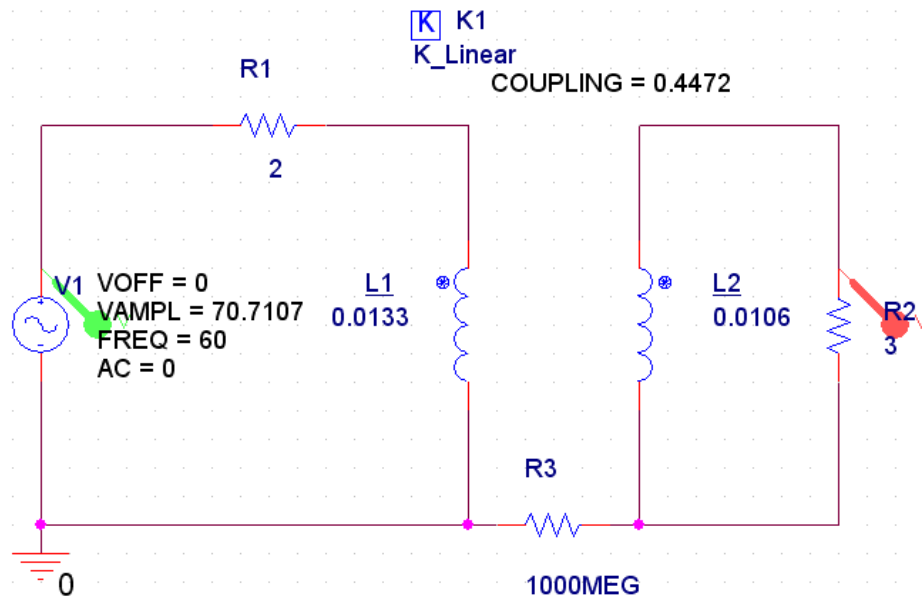
New Property... Apply Display... Delete Property Pivot Filter by: < Current properties > Help

	Implementation Type	L1	L2	L3	L4
1	PSpice Model	L1	L2		

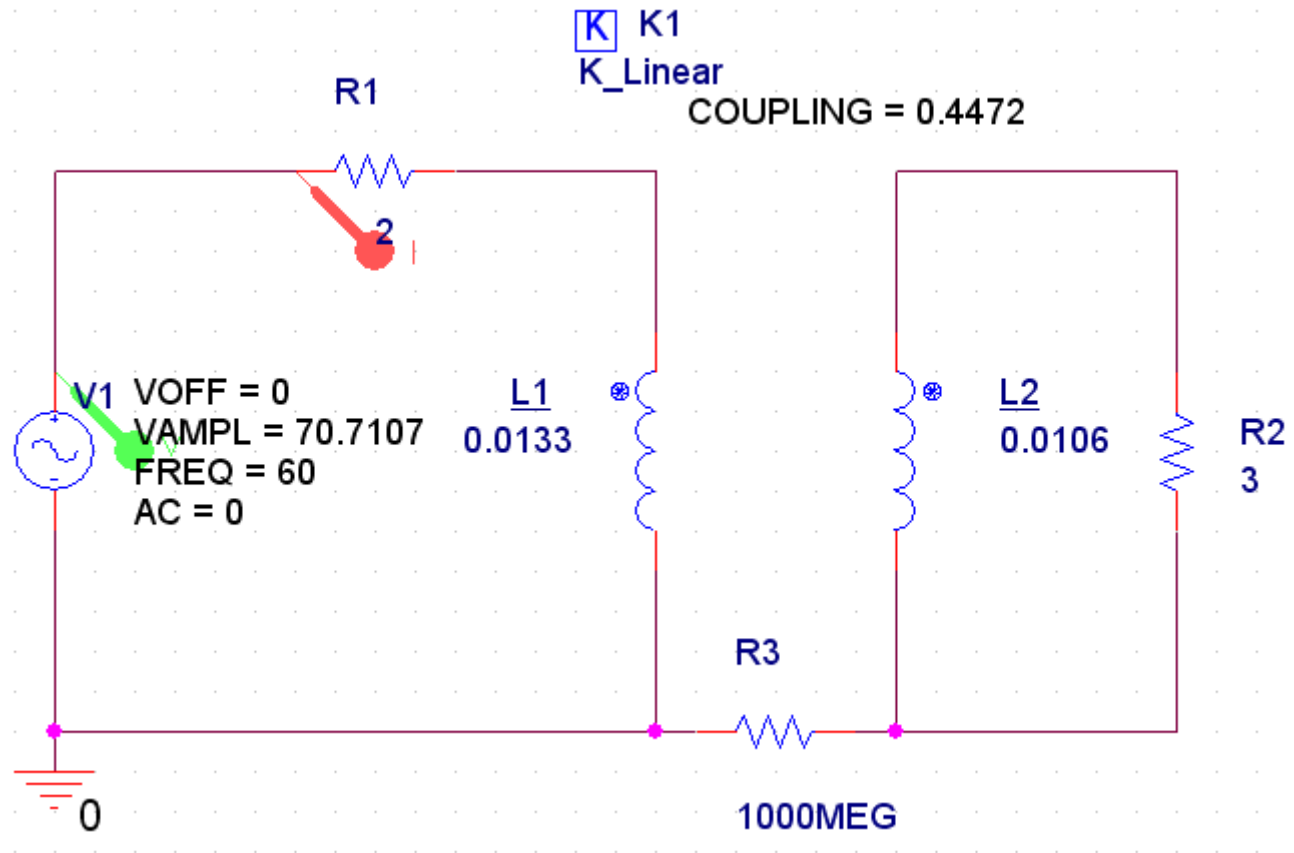
숙제1: Simulation Profiles



숙제1: Simulation



숙제1: Simulation



숙제1: Simulation

