

Situation 1

Generator

Load

$$V_1 = 1$$

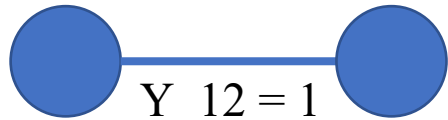
$$S_2 = a \text{ (a is real)}$$

exact

predict

$$S_2 = 0.2500$$

$$S_2 = 0.2500$$



Situation 2

Generator

Load

$$V_1 = 1$$

$$S_2 = a + a i$$

exact

predict

$$S_2 = 0.2071 + 0.2071 i$$

$$S_2 = 0.2071 + 0.2071 i$$

