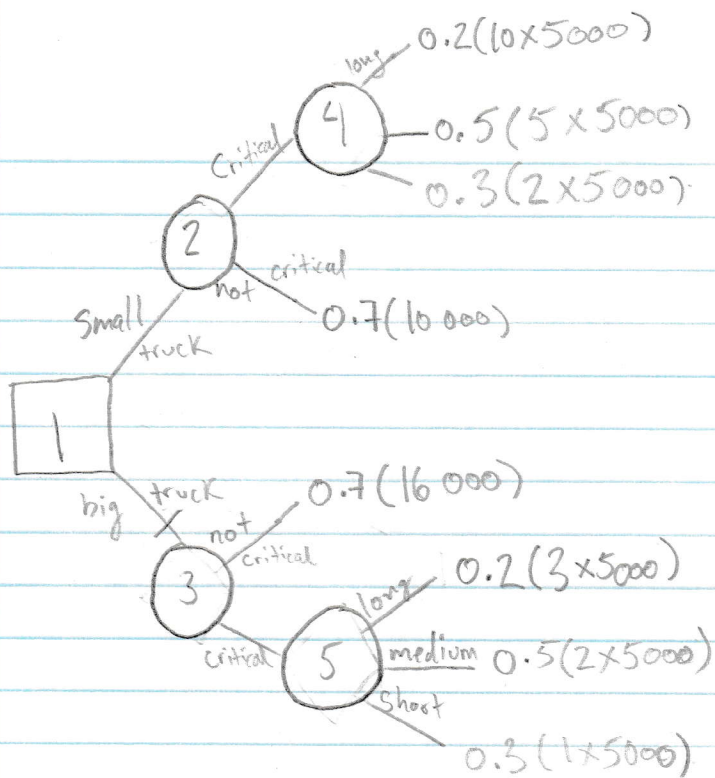


15tjh2
20000838



$$EV[4] = 0.2(10 \times 5000) + 0.5(5 \times 5000) + 0.3(2 \times 5000) \\ = \$25500 \text{ (delay cost only)}$$

$$\text{Small Truck} = 0.3(25500 + 10000) + 0.7(10000)$$

$$\boxed{\text{Small Truck EV} = \$17650}$$

$$EV[5] = 0.2(3 \times 5000) + 0.5(2 \times 5000) + 0.3(1 \times 5000) \\ = \$9500 \text{ (delay cost only)}$$

$$\text{Big Truck} = 0.3(9500 + 16000) + 0.7(16000)$$

$$\boxed{\text{Big Truck EV} = \$18850}$$

Small Truck EV < Big Truck EV \therefore Use the Small Truck