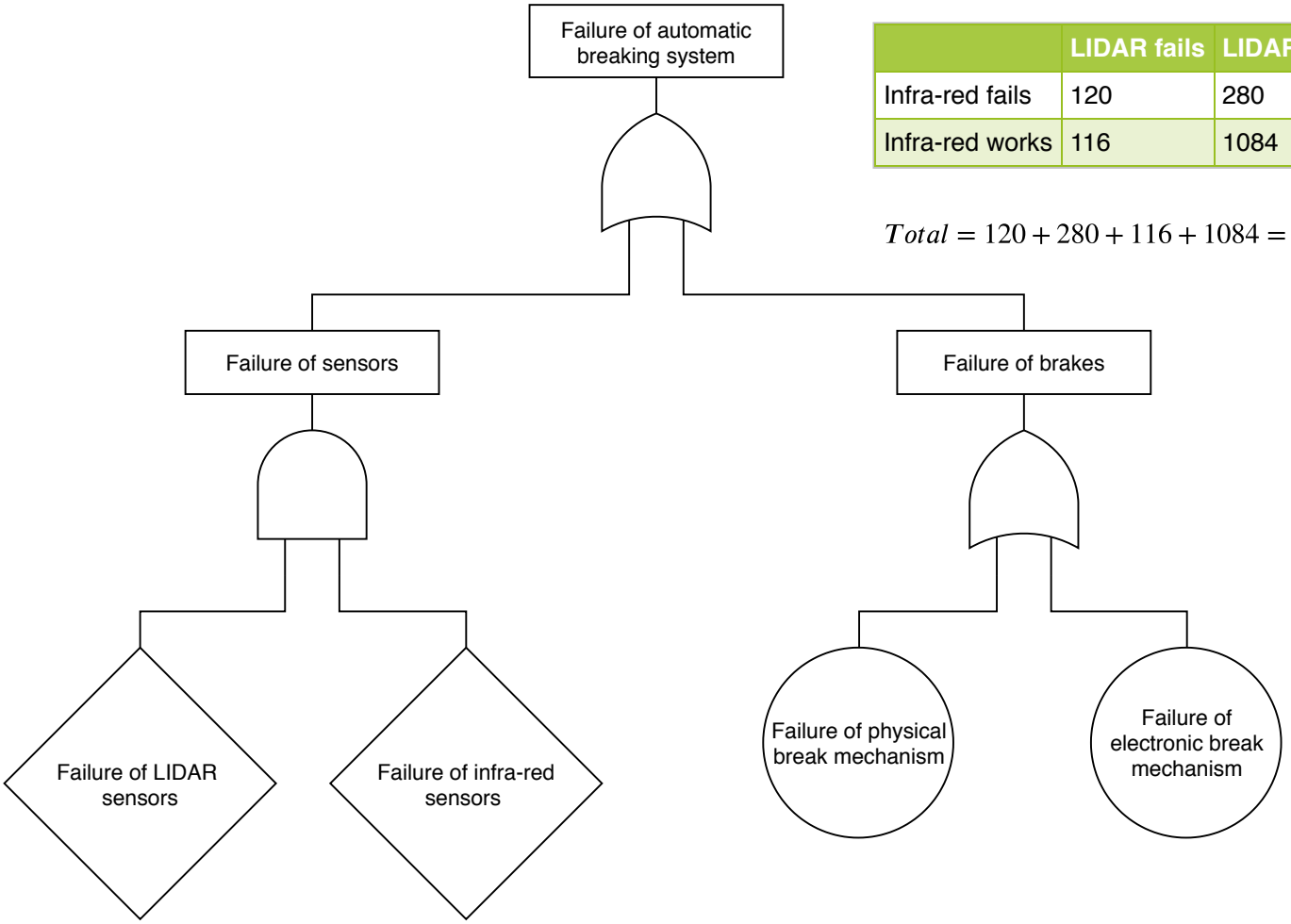

	LIDAR fails	LIDAR works
Infra-red fails	120	280
Infra-red works	116	1084

$$Total = 120 + 280 + 116 + 1084 = 1600$$

$$P(Physical\ fails) = \frac{313}{1600} = 0.1956$$

$$P(Electronic\ fails) = \frac{33}{1600} = 0.0206$$

$$P(Failure\ of\ brakes) = 0.1956 + 0.0206 = 0.21625$$

$$P(LIDAR\ fails) = \frac{120 + 116}{1600} = 0.1475$$

$$P(Infrared\ fails) = \frac{120 + 280}{1600} = 0.25$$

$$P(LIDAR\ fails | Infrared\ fails) = \frac{120}{120 + 280} = 0.3$$

$$P(LIDAR\ fails \wedge Infrared\ fails) = P(LIDAR\ fails | Infrared\ fails) \times P(Infrared\ fails) = 0.3 \times 0.25 = 0.075$$

$$P(Failure\ of\ automatic\ braking\ system) = 0.21625 + 0.075 = 0.29125$$