

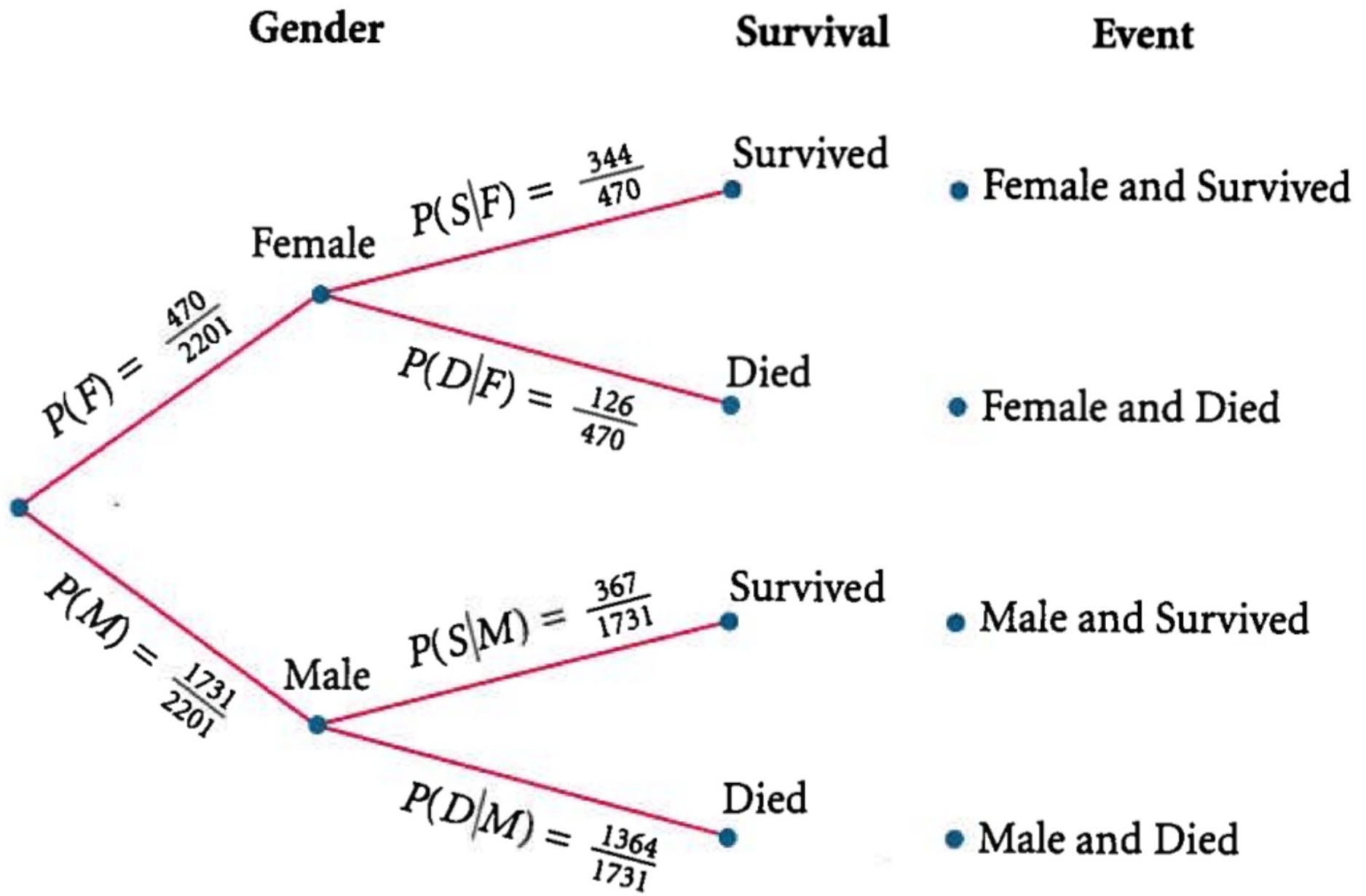
P35. Display 5.45 presents hypothetical data on 130 people taking an inkblot test for bureaucratic pomposity disorder (BPD). Use the data to compute the four conditional probabilities defined for screening tests on page 331. Is the test a good one, in your judgment? Why or why not?

		Test Result		
		Positive	Negative	Total
BPD	Present	60	40	100
	Absent	20	10	30
	Total	80	50	130

Display 5.45 Results of a test for bureaucratic pomposity disorder.

		Gender		
		Male	Female	Total
Survived?	Yes	367	344	711
	No	1364	126	1490
	Total	1731	470	2201

Display 5.39 *Titanic survival data.* [Source: *Journal of Statistics Education* 3, no. 3 (1995).]



Display 5.40 Tree diagram for the *Titanic* data.