

	G
F	
%	Upper 95%
	223.32
	-33.89
	62.10
	4.67
	0.65

19. In February 2004, the Federal Communications Commission (FCC) effectively deregulated the broadband industry in a close 3–2 vote that changed the rules of the 1996 Telecommunications Act. Among other things, the decision eliminates a rule that required the Baby Bells—BellSouth, Qwest Communication International, SBC Communications, and Verizon Communications—to provide rivals access and discounted rates to current broadband facilities and other networks they may build in the future. Providers of digital subscriber lines (DSL) that use the local phone loop are particularly affected. Some argue that the agreement will likely raise many DSL providers' costs and reduce competition. Providers of high-speed Internet services utilizing cable, satellite or wireless technologies will not be directly affected, since such providers are not bound by the same facilities-sharing requirements as firms using the local phone networks. In light of the recent FCC ruling, suppose that News Corp., which controls the United States' largest satellite-to-TV broadcaster, is contemplating launching a Spaceway satellite that could provide high-speed Internet service. Prior to launching the Spaceway satellite, suppose that News Corp. used least squares to estimate the regression line of demand for satellite Internet services. The best-fitting results indicate that demand is $Q_{sat}^d = 152.5 - .9P_{sat} + 1.05P_{DSL} + 1.10P_{cable}$ (in thousands), where P_{sat} is the price of satellite Internet service, P_{DSL} is the price of DSL Internet service, and P_{cable} is the price of high-speed cable Internet service. Suppose that after the FCC's ruling the price of DSL, P_{DSL} , is \$30 per month and the monthly price of high-speed cable Internet, P_{cable} , is \$30. Furthermore, News Corp. has identified that its monthly revenues need to be at least \$14 million to cover its monthly costs. If News Corp. set its monthly subscription price for satellite Internet service at \$50, would its revenue be sufficiently high to cover its cost? Is it possible for News Corp. to cover its cost given the current demand function? Justify your answer.

here "STATE" Company's
1 the file
ion is a linear
obtain least
rint the regres-
ssion results.
establishing a
1 consumption
1 government
ganization—the
hrough a
roduced and
ers received
al Dairy Promo-
Milk?" targeted
to endorse milk
dairy farmers
funding of the
k?" campaigns