

# BA 252 Production Management

EXAM 1 summer 2000

Dr. Banis

- I
1. D
  2. E
  3. F
  4. E
  5. E

6. C  $10+40PH=20-10PH;$   
 $PH=10/50=0.2$

- II
1.  $(2500-1000)/(2-1)=1500$
  2.  $P=20\% \Rightarrow Z=-0.84; X=24-0.84*4= 20.6$
  3.  $(2/0.5)^2=16$
  4. B -one

III

No. Bak	R	Pf	Ecostf	BKcost	totcost
0	0.4	0.6	2,400	0	2,400
1	0.6	0.4	1,600	500	2,100
2	0.7	0.3	1,200	1,000	2,200
3	0.75	0.25	1,000	1,500	2,500
4	0.78	0.23	900	2,000	2,900
5	0.79	0.21	850	2,500	3,350

Potential Regrets as a function of severity of storm and litigiousness of the populace

Regrets

weather & attitudes	mild	icy	bitter	
little salt	0	0	1,000	1,000
bunches of salt	90	80	0	90
Heebiegobs of halides	990	980	0	990

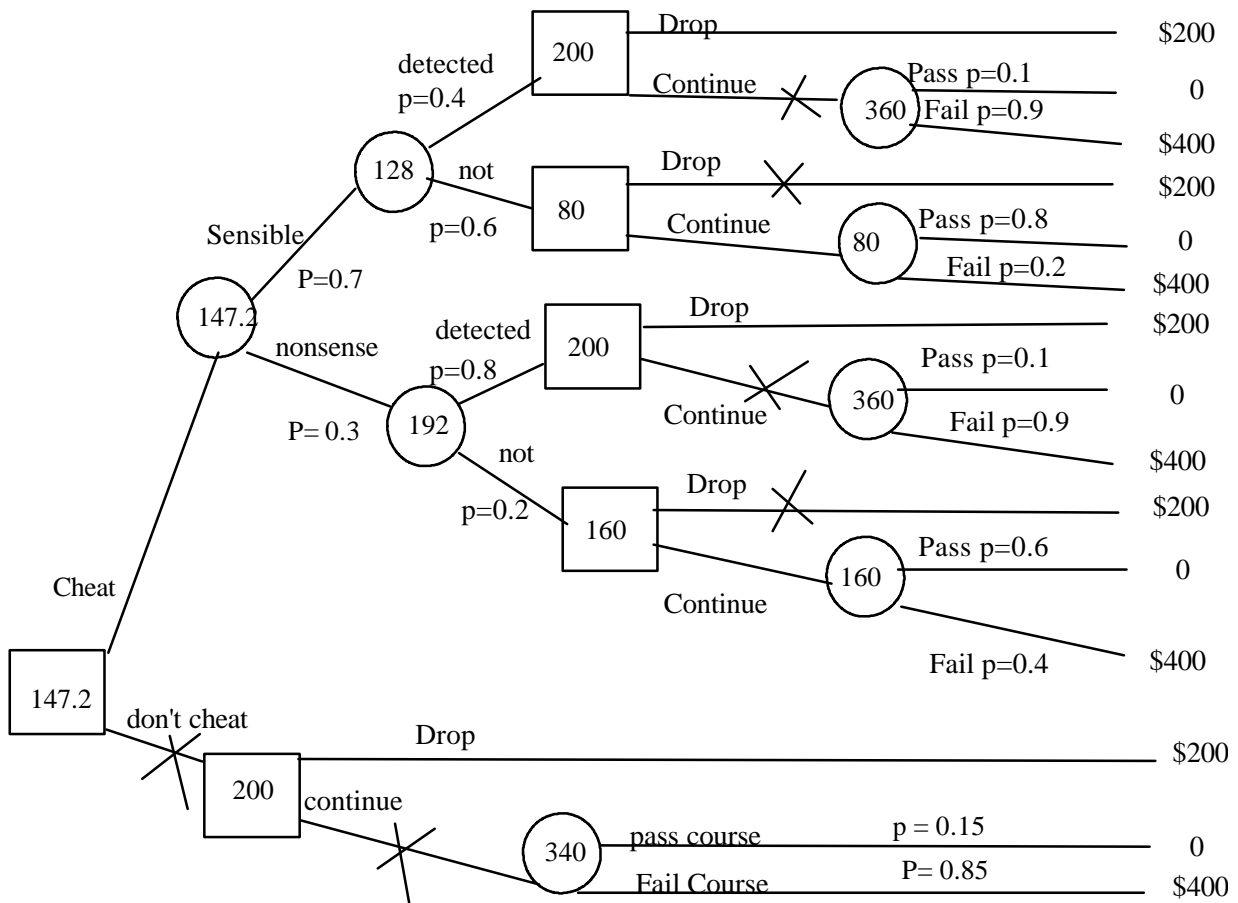
IV

bunches of salt is least worst regret

Union Gain/Company Cost (cents per hour)

Company (B) -->	Wimp	Cooperative	Belligerent	Company's best - lowest cost
Union Gain (A)				
wimp	20	0	10	0
cooperative	40	30	25	25
Belligerent	100	50	40	40
Union's best - Highest raise	100	50	40	

belligerent-belligerent is saddle-point; Union would not wimp or cooperative; company would not wimp



V

The guy with the hat has incentive to cheat. ideas to reduce incentive to cheat:

- increase detectability, versions of the exam
- spread students out, forbid caps, hire aids to monitor
- higher Pfail if cheat, Higher P pass if not
- Easier exams, give everybody A's, don't fail anyone.
- less money back if you drop, charge more for seconds
- don't let cheaters drop or get refunds
- fine cheaters, kick them out of the University,expulsion
- Professor get new glasses,take more pictures
- reduce nonsense in the exams
- stronger penalties if caught cheating
- have packets with old exams,allow use of notes
- reduce cost of course if pass with no cheating
- extra credit assignments for non -cheaters, bonus points
- rewards for those who tell about cheaters
- increase Ppass even if failing one exam
- drop lowest exam
- use P/F grading, less weight on exams
- provide tutors to increase Ppass without cheating
- Discuss morality and ethics in class
- Seat cheating students by those who have no clue
- make tests harder for students who don't come to class
- Professor communicate well to students who are interested incoming to class for learning rather than cheating to pass without learning.

VI

1. premium 1286; Watery 571; Robusto 857; OV=13857
2. 6000-5600=400
3. 5000-2000=3000 (or, all 5000)
4. -infinity

