by Industry which of the Marington all. a. The S is a measure of a player's many this means that a player with a high & values the future more than one With a low S. Somebody who values the Fature good payoffs more will be less included to take the one-stage denotes that will give them a lot of whitey me and a lot e less in the feture? my most to at my to [6.9] \$ 1/2 Cod November 10 15.1 1 1 1 1 1 1 1 1 C 0,0 7,-2 N -2,7 5,5 Eu(nin) = 5 [-8 Ey(dwisk] = 7+80+520+...+57.0 +81+15+812+... EUlderink) = 7 + 8THS 5 >7 + 8THS  $\frac{5>7-78+8^{T+1}5}{1-8}>7 \frac{5(1-8^{T+1})}{1-8}>7 \frac{1-8^{T+1}}{1-8}$   $= 5\sqrt{1+1}\sqrt{1+1}$   $= 5\sqrt{1+1}\sqrt{1+1}\sqrt{1+1}$ 8→1 S(T+1) > 7 < So, even with T=1, the forgining trigger stategy makes non sustainable as a SPNE as long as & is close to one. This is different than the Grim Trigger shotegy, which had 852/7. K 2 without taking linits This is really different -2 > - 78 + 8TH 5 allebrashing at what the 2 < 8 (7 - 8 S)

question it aming , so just see-

this paragraph.



16.15) Q=6-p army C=.01 C(a)=0.019 1141 Q= a- bp a= 6 b= 1 Carkel: q - G-0.01 - a-c p - G+0.01 - a+c Covernut: q = a-c = 6-0.01 M p = \frac{1}{3}a+\frac{7}{3}(=\frac{1}{3}(6)+\frac{2}{3}(.01) Since Cissolar impared to the other number, we will organe ; t

Uhliby with p=\$2 Q=4 qi=2 Ti=4 E"(maintain) = 4 + 84+ 824 - 4

EYbuink) => P= \$1 Q=5 qi=25 Ti=\$2.5 + afker Ethinks = 7 p=\$1 Q=5 (1-\$5 T1=5 -) on denotion = 5+2.58+2.582+2.583

= 5+ 2.58 < 4 3 5 4-2.58

5-58 < 4-2.58 1 1 < 2.58 8 > 1/2.5 8>2/5 8 must be >2/5. I feel like I explained 325 it with the moth > above . 33

16.16 | E(maintain) = 4 E(dwink) = 51 + 2.5 \$ + ... + 2.5 8 + 4 5 + 4 5 + 4 5 + 2 + ...

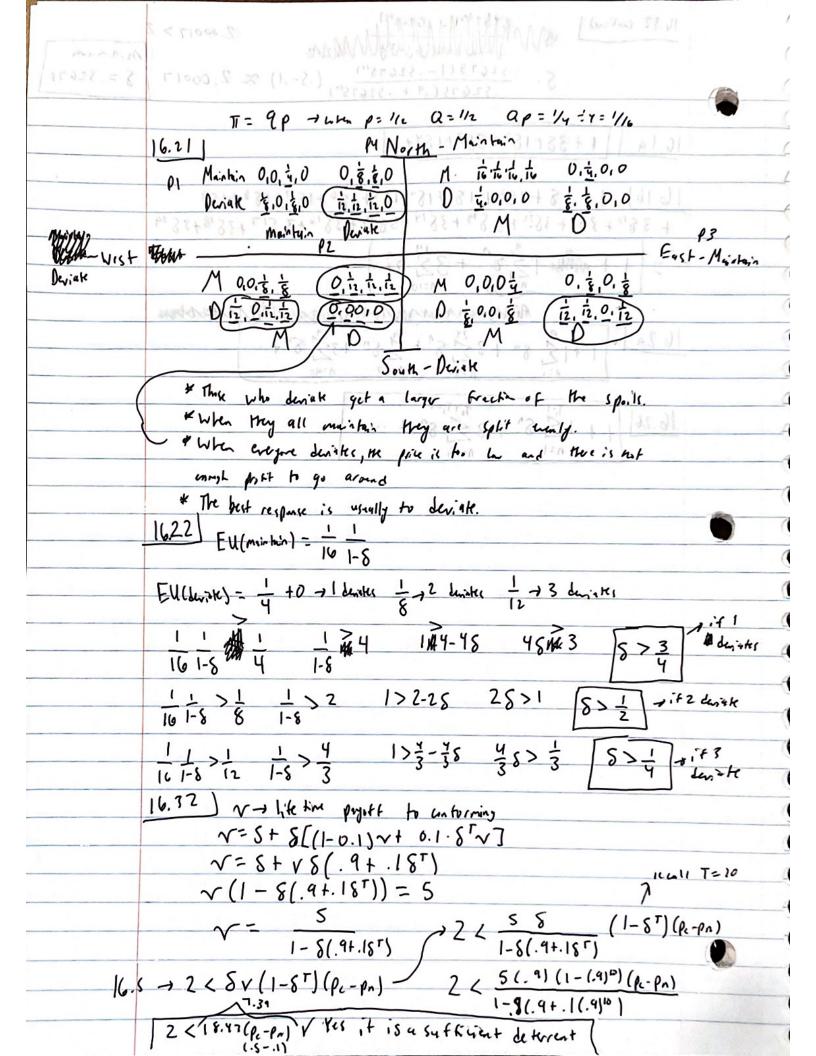
EU ( June 1 = 5 + MMB 5THY + 2.58 +2.582 +2.583 + 1 + 2.58T 1-8 2.5 \$ 57

1-5 - 5 + 48 rt + 2.5 5 5°

9-1-0 = 9(9-1) == 4(1-811) 2.5 5 5 > 5 1: 4(TH) -2.5 > 5

4(TH) > 7.5 4(2) > 7.5 Vso the figuring the and is a SPNE

[6.17] The maximum price that an unise in a subgare perfect equilibrium is let'( say p= \$3 Q= 3 q: =1.5 Ti= 4.5 EU(derak)=> P=\$2 Q=4 8:=04 To=8 Euclasiak) - after Ti = 2.5  $8+\frac{2.58}{1-8} < \frac{4.5}{1-8} = \frac{4.5-2.58}{1-8}$ 8-88 24.5-2.58 3.5 < 5.58 > P= \$4 Q=2 9:=1 Ti=4 E'Elenok 1 = 7 p = \$3 Q = 3 q = 3 Ti = 9 9+2.58 < 4 9 < 4-2.58 9-89 < 4-2.58 5 < 6.58 5 5 10/13 22 6 > P=\$5 Q=1 qi=.5 πi=2.5 Euchiael=7 p=\$4 Q=2 q=2 πi=8  $8 + \frac{2.58}{1-8} \ge \frac{2.5}{1-8}$   $8 \ge \frac{2.5-2.58}{1-8}$   $8 - 85 \le 2.5-2.58$ 5.5 < 5.58 8>1 -> Not Suglainable for 8=.9 54 is the maximum price sestainable 16.20) May (1-min: {p..p.,p.,p.3) p -> assure we want to maximize have they and a mosply max (1-p)p -> Q=1-p p=1-Q  $\max_{q} q(1-q) = q-q^2 \frac{2\pi}{2q} = -2q+1 = 0$ P=1/2



	$\frac{16.32 \text{ in Kned}}{5. \frac{52675(152675'')}{.52675(.9+.52675'')}} \frac{2.00017 > 2}{(.51)} \approx 2.00017 = 5 = .52675$
	16.1a 1+35+182+353+184+
50	16.16) 1+ 18+182+183+184185+186+187+188+189 + 386+384+3812+3814+3814+3815+3816+3817+3818+3819
alije Mila	= 1 + Allen 1 \$ 8° + 3 \$ 87
	16.2a [1+12 8n + 3 2n 8n +
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	purity by to to do along