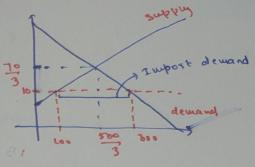
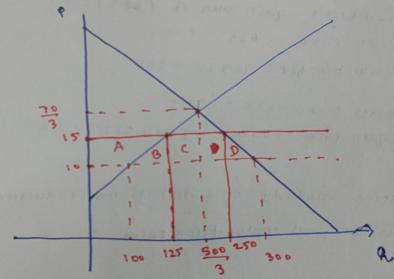
At P= 10 , 0 Rd = 400 - 100 = 300

300-100:200



with a 5 dollar touth per unit of Import Now



1088 in CS : A+B+(+D

(1)

gain in ps : A

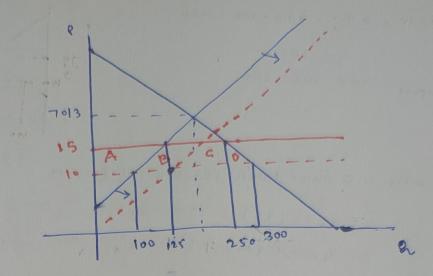
(11)

gove vuveniu: C

(111) 8

marginal social benefit : 10x(125-100)=250

Net welfare: (11)+(11)+(11)-11)



Consumer's surplus travains the same.

Product's gain area A (69 562.5)

Govt (ost = 625

Social benefit = 10725 = 250

Imports: 300-125 = 175

Met gain from Policy = 250 + 562.5 - 625 = 187.5

C. Production substidy only distorts the production side, consumers remained their original consumption point.

d weyour : CS+PS+ LOVT+SB

DWEYOU = DCS+DPS+DGVT+DSB+DCS; DCS=0

S = 50 + 5 P

s = 50+5 (10+ subsidy) = 100+5 \$

 $\Delta PS = (100 \times \beta) + \left(\frac{\beta \times (100 + 5 \times \beta - 100)}{2}\right) = 100 \beta + \frac{5}{2}\beta^{2}$ 

DINT= \$ (100 + 58) = 1008 + 582

DSB = 10 (100+58-100) = 50 %

Je concare for - mide wax, with

2 a. 1600 - 12BP = 440+165P 1160 = 290P P=4; R=1100.

6.0) At P= 4.50

((

Ra= 1600-125 (4.5)=1037.5

Rs= 440+165(4.5)=440+742.5=1182.5

Supplys: 1182.5-1087.5=145mn

(11) hout must buy the surplus of 145 mm bushels to maintain the pria floor.

Potal cot : 145x4.5 = 652.5 mn

(111) more prod": 1182.5-1100:82.5 mm.

C. New supply R's = (440+ 145)+165P= 585+165P

Rd = 2/3

1600-125P=585+165P

P=3.5

2° = 1600 - 437.5 = 1162.5

8 = 585+165(3.5)= 585+577.5 =1162.5

Prive talls from 4 to

Ruantity increases from

At P= 4.50

8' = 1600-125 (4.5) = 1037.5

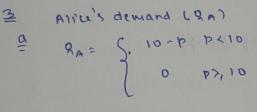
2's = 585 + 165 (A.5) = 1327.5

R's - R'a = 290 -> Gove A purchage.

COSE = 290×145 = 1305

d. 
$$Q_{s} = 440 + 16 \times (P + 0.50)$$
  
 $Q_{d} = 1600 - 125P$   
 $Q_{d} = 2000 + 2000$   
 $Q_{d} = 1135.56$ 

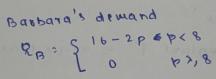
hala zabborg	
consumer's Purchase:	1037.5
farmer's produce?	1182.5
your purchase:	145
cost to govt .	652.5

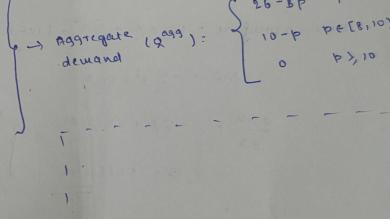


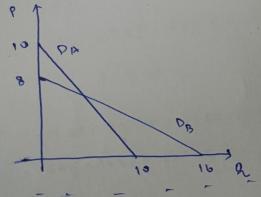
AT P=4

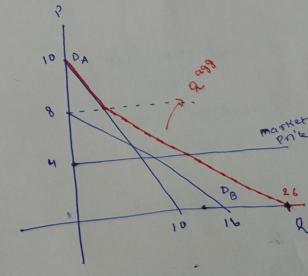
8 x = 10 -4 = 6

8= 8a + 88= 14









b. For 2 < 10, both are willing to pay a positive amount, so we sum their marginal willingness to pay. For 2 & [10, 16) only Barbara has a positive marginal willingness to pay. For 2>16, neither are willing to pay anything. so, we get,

